PERGE

Boilers and heat pumps

Dedicated to the energy transition

2025 - 2026

Public price excluding tax
from April 1, 2025 to March 31, 2024

28/08/2025 Edition

A french company on a human scale

PERGE is a major european manufacturer of heat pumps, log, pellet and bio-oil boilers since 1971. Based in the South of France, its site includes a research center, a production and a training center for heating professionals.

PERGE is specialized in the heating of residential homes in rural and outer-urban areas. Its range of heat pump, log, pellet and bio-oil boilers can be easily twinned together and combined with solar heating.

PERGE has developped a European network of subsidiaries and partnerships supported by a large range of professionals in the heating business all over France, United Kingdom, Belgium, Switzerland and Spain.

Useful contacts

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For spare parts references (reference numbers, prices and exploded views) and product manuals:
www.perge.com – "Parts & Manuals" section.

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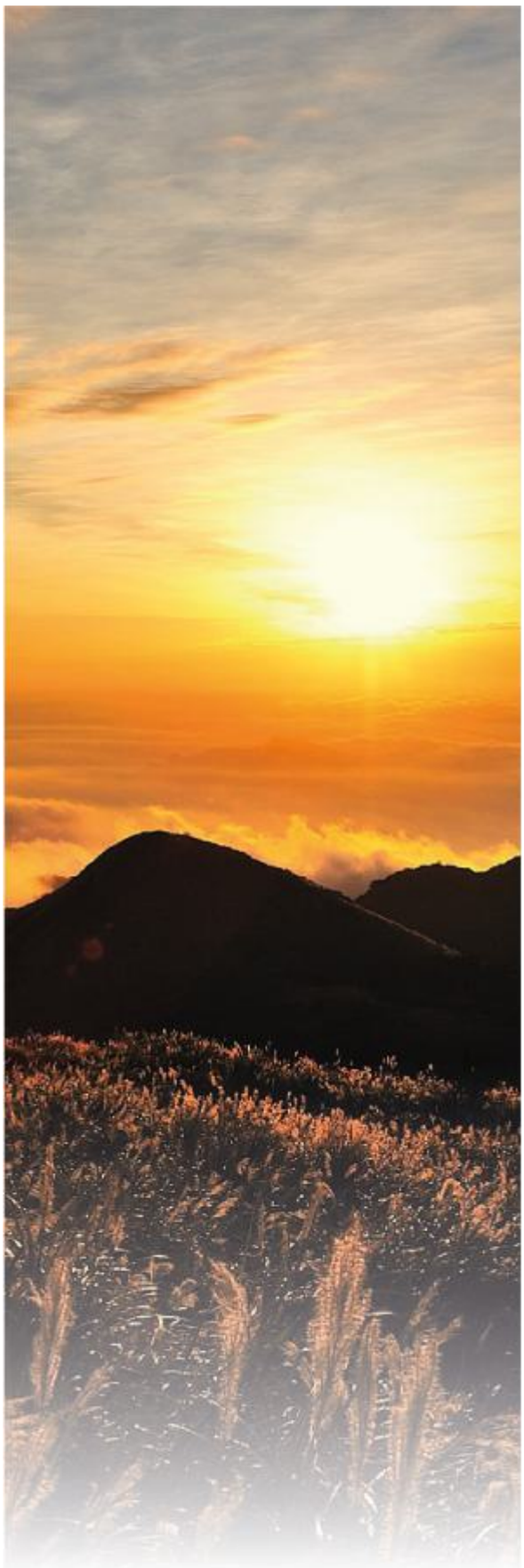


PERGE – French manufacturer and partner of heating professionals

Expansion of Porte-Lès-Valence production site by 2,500 m²

PERGE has expanded its factory by 2,500 m².
This extension, which complements the existing 7,500 m² facility, increases production capacity and meets the growing demand from our customers. The building is equipped with modern machinery and installations to ensure more efficient and faster production.

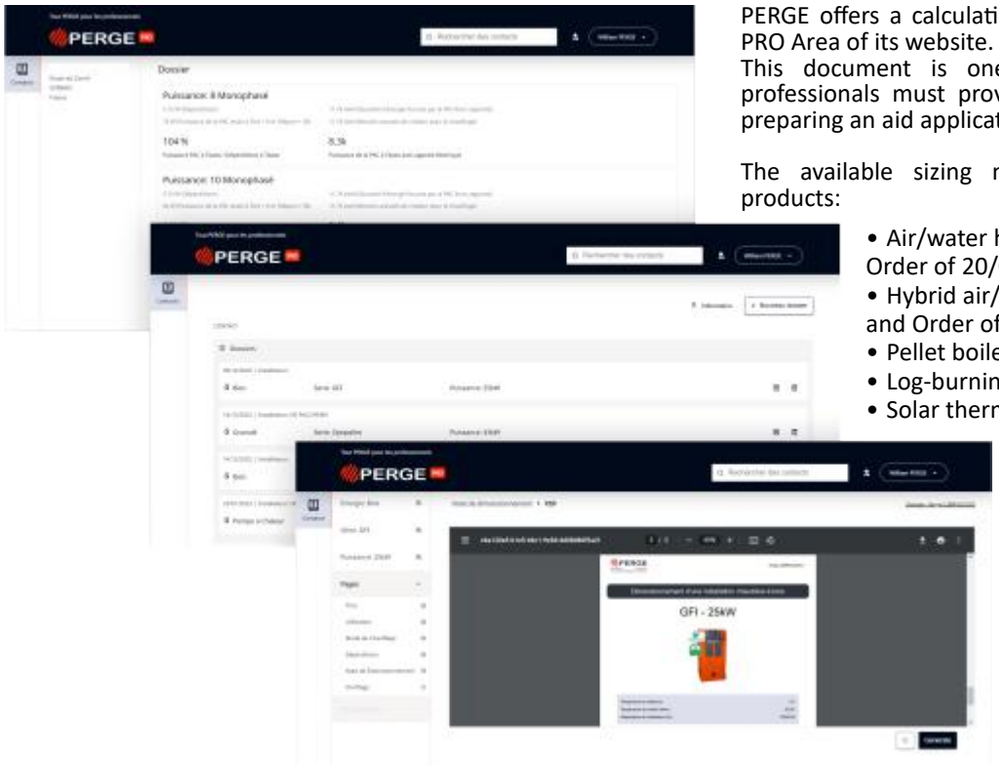
Committed to environmental protection and sustainable development, PERGE is taking advantage of this 2,500 m² extension to install a photovoltaic solar power plant covering the entire surface area.
This system enables the company to self-generate its entire annual electricity consumption without releasing any CO_2 into the atmosphere.

Since the end of 2021, PERGE has been welcoming heating professionals to its Qualiopi-certified training centre in Portes-lès-Valence.
Qualifying training courses are provided, such as: QualiBois vecteur eau, QualiPac, Quali PV, as well as modules on new biofuels and PERGE products, focusing on the discovery of their technology, installation, commissioning, and troubleshooting.

Qualiopi processus certifié
RÉPUBLIQUE FRANÇAISE

PERGE Formation

Sizing notes available online at www.perge.com – PRO Area



PERGE offers a calculation and sizing note tool in the PRO Area of its website.
This document is one of the elements that all professionals must provide to their customers when preparing an aid application.

The available sizing notes concern the following products:

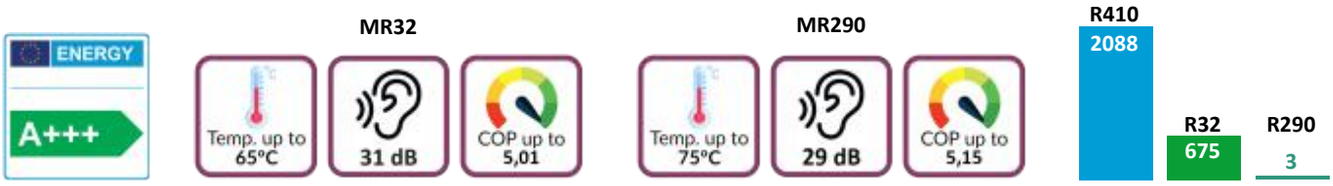
- Air/water heat pump (BAR-TH 171 and Order of 20/07/2022)
- Hybrid air/water heat pump (BAR-TH 159 and Order of 20/07/2022)
- Pellet boiler (BAR-TH 113)
- Log-burning boiler (BAR-TH 113)
- Solar thermal system (BAR-TH 143)

For more information on how to register for your PRO Area, see page 6.

News in the 2025-2026 catalog

OptiPac MR32 and MR290: a complete range of heat pumps and hybrid heat pumps

Top-class performance in the service of the environment



OptiPac MR32 is available in 7 single-phase outputs (from 4 to 16 kW) and 3 three-phase outputs (from 12 to 16 kW).
OptiPac MR290 is available in 5 single-phase outputs (from 4 to 16 kW) and 2 three-phase outputs (12 and 16 kW).

Numerous installation solutions are possible:
- Heat pump only, without indoor unit
- Heat pump only, with indoor unit, with or without integrated domestic hot water production
- Hybrid oil or gas heat pump, with or without integrated domestic hot water production
- Hybrid pellet heat pump
- Coupled with an existing boiler, whether gas, oil, pellet or log

Heat pump with floor-standing indoor unit "Plug and Play" solution Heating only

Heat pump with floor-standing indoor unit "Plug and Play" solution Heating + integrated domestic hot water (DHW)

Heat pump with wall-mounted indoor unit "Plug and Play" solution Heating only

Heat pump with wall-mounted indoor unit "Plug and Play" solution Heating + integrated domestic hot water (DHW)

Hybrid heat pump "Plug and Play" solution Heating only

Hybrid heat pump "Plug and Play" solution Heating + integrated domestic hot water (DHW)

Optitherm Duo: very compact bio-oil boilers up to 384 kW

Optitherm Duo is a set of two bio-oil boilers stacked in a single 60 cm-wide casing.
The individual boilers are available in 24 kW and 32 kW outputs.
As a result, Optitherm Duo units are available in 48, 56 and 64 kW outputs.

Up to 100%
Bio-oil / HVO / XTL

Optitherm Duo: main advantages

- Significant energy savings thanks to PERGE's hydraulic technology and staggered power activation.
- A solution for heating needs up to 384 kW, even with narrow access (width = 60 cm)

Optitherm Duo: easy installation and control

Like all PERGE bio-oil boilers, Optitherm Duo is equipped with the Stoptherm system, which allows operation without return temperature limitation and without the need for a mixing valve.
Direct connection of heating circuits to the boiler makes installation much simpler.

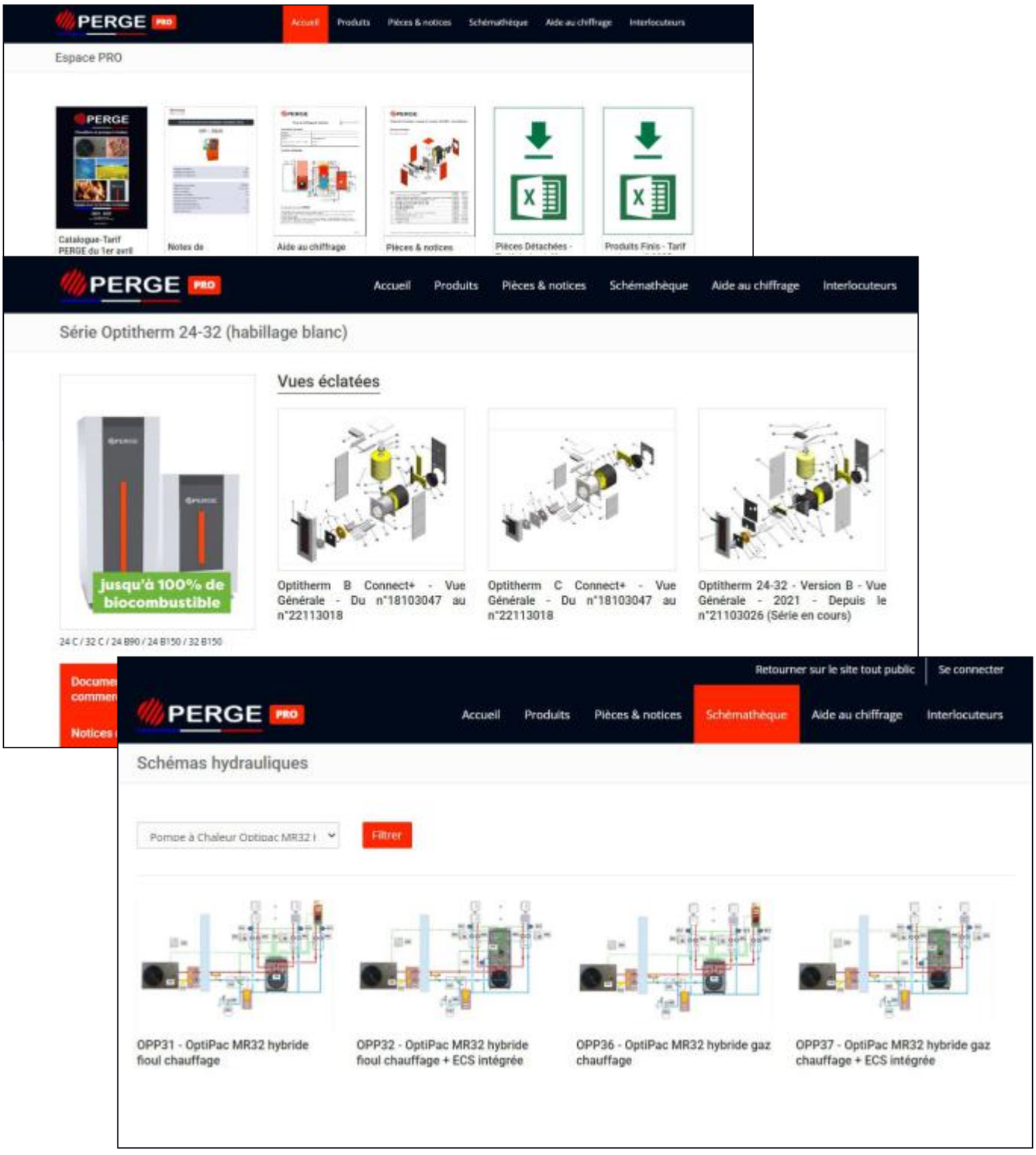
Optitherm Duo: cascade installation

For even greater flexibility, an Optitherm Duo cascade can be managed with up to 6 cascade levels.

Each level can control either a full Optitherm Duo unit (both burners starting simultaneously), or one burner at a time within an Optitherm Duo.

The climate control and cascade cabinet is delivered fully pre-wired from the factory.

PRO Area: Register and access a wide range of services

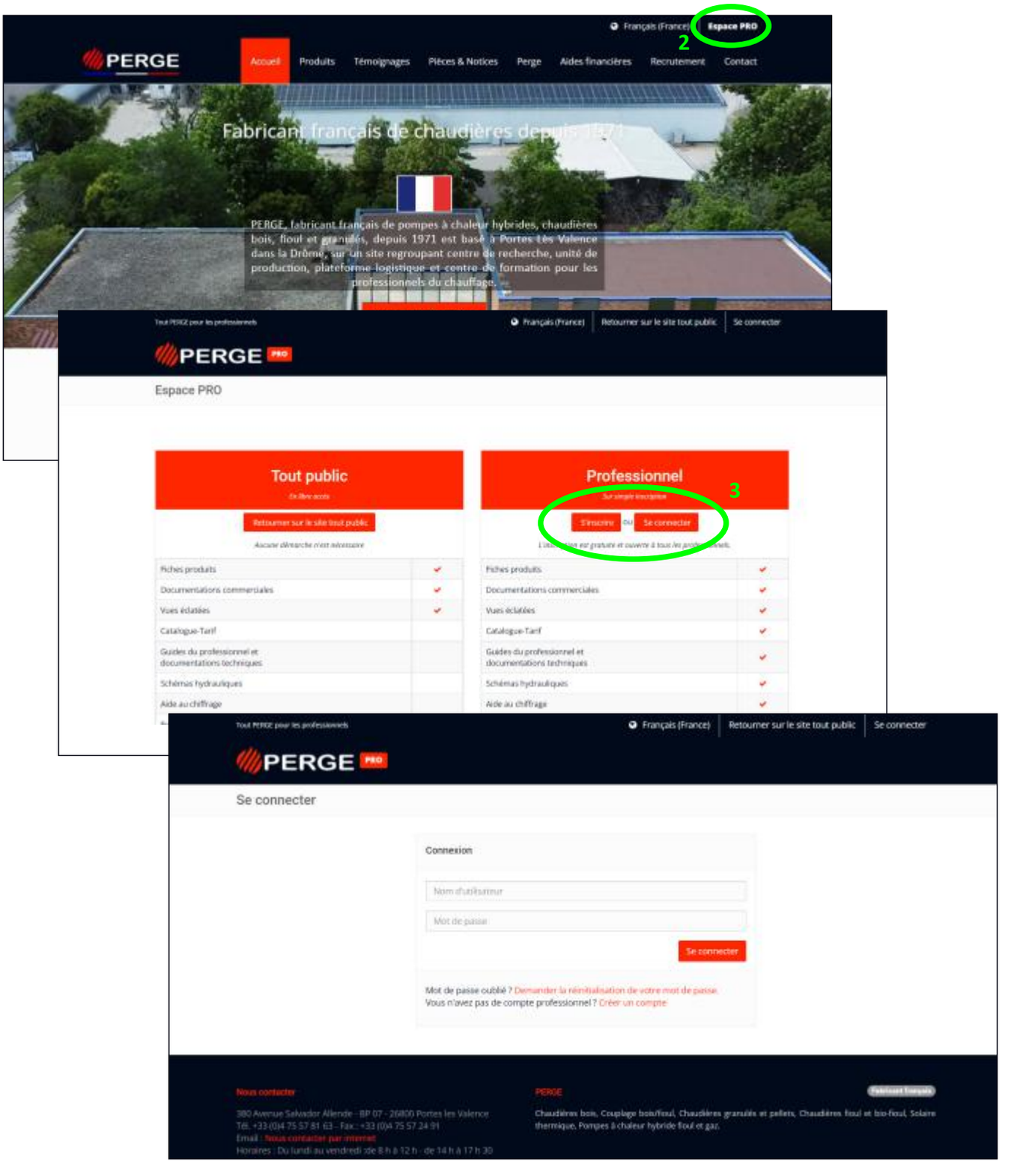


Available online:

- The current Catalogue and Price List
- The current Spare Parts Price List
- Exploded views with part numbers and prices
- the sizing notes required for preparing aid application files
- manuals for all products, both current and past
- numerous configurations to assist you with costing and installation diagrams

PRO Area: Register and access a wide range of services

1.Log on to www.perge.com
2.Select the “Professional access” section. Registration is free for professionals.
3.When you log in for the first time, choose “Register” to create your PRO Area account. You can then simply select “Login”.



Warranties

The warranty on our equipment is subject to the following conditions:

• Within 3 months after commissioning, the Warranty Form must be returned to us, duly completed and signed by all parties (User, Installer, Commissioning), and accompanied by the required technical values depending on the product. These values may be sent via the combustion analyzer printout or a dated photo of the analyzer.
• An annual maintenance of the appliance is mandatory, after which the same required technical values must be sent to us in the same form and within the same timeframe as specified above.

This enables us to provide the best possible service in monitoring our products.

The warranty periods are as follows:

OptiPac MR32 and MR290 heat pumps	Duration
Outdoor unit:	
Compressor	5 years
Heat pump electronic boards	2 years
Other heat pump equipment	5 years
Heat pump indoor unit:	
Electrical and electronic equipment	2 years

OptiPac MR32 and MR290 hybrid heat pumps	Duration
Outdoor unit:	
Compressor	5 years
Heat pump electronic boards	2 years
Other heat pump components	5 years
Hybrid heat pump indoor unit:	
Heat exchanger body	10 years
Burner	2 years
Electrical and electronic equipment	2 years

Optitherm – OptiCondens oil and gas boilers	Duration
Heat exchanger body	10 years
DHW tank (DHW = Domestic Hot Water)	3 years
Condenser	3 years
Burner	2 years
Electrical and electronic equipment	2 years

OptiPellet pellet boilers	Duration
Heat exchanger body	10 years
Electrical and electronic equipment	2 years
Igniter	Consumable

GFI log boiler	Duration
Heat exchanger body	3 years
Electrical and electronic equipment	2 years

MC Classique – MC CI log boilers	Duration
Heat exchanger body	3 years
DHW tank - MC CI (DHW = Domestic Hot Water)	3 years
Anti-boiling heat exchanger/ Draught regulator	2 years

Solar	Duration
Sensor	10 years
Hydraulic buffer tank	3 years
Electrical and electronic equipment	2 years

Buffer tanks and DHW cylinders (DHW = Domestic Hot Water)	Duration
Tank	3 years
Electrical accessories	2 years

Seals, like other consumables, are not covered by a warranty period.

On the heat exchanger bodies of Optitherm, OptiCondens and OptiPellet boilers, as well as on the heat exchanger integrated in the OptiPac hybrid modules, the warranty covers all risks of corrosion or leakage.
Keep the invoices for these annual maintenance operations as proof of compliance.

Guidelines for receiving goods

It is the responsibility of our customer to check the condition of the goods upon receipt.

If the condition of the goods is not compliant, the customer must issue transport-related reservations as described in Article 3.6 of our General Terms and Conditions of Sale.

We recommend stating specific reservations on the delivery note (e.g. “scratch on right panel” rather than “subject to unpacking”), taking photos, and informing us by sending a copy of the delivery note showing the reservations by email to: *commercial@perge.fr.*

PERGE values

The values of our regions that guide us

These are the values rooted in our regions that shape our company and guide our strategy: simplicity in human relationships, robustness, a strong sense of commitment, honest work, and trust.

We offer:
- Heating solutions that combine multiple energy sources, encouraging a degree of energy independence
- Environmentally friendly heating solutions
- French-made boilers, heat pumps and hybrid heat pumps - high-efficiency, simple, robust, cost-effective, and suitable for all budgets
- Robustness and product repairability as core principles
- A clear and accessible product offering
- Above all, efficient, people-focused service, delivered in partnership with a network of reliable and professional plumbing and heating installers

Innovation that respects the natural laws of hydraulics and combustion

We prioritise functional innovations that use the natural laws of hydraulics, such as thermosiphon.
As a result, power modulation to the water does not require complex electronic systems. Our hydraulic design enables the supply of two circuits at different temperatures without additional accessories, simplifying installation and reducing costs.

These are environmentally friendly innovations that meet the highest standards of efficiency and NOx emissions:
Class 5 biomass boilers compliant with the 7-star Flamme Verte label,
Eco-Design certified bio-oil boilers,
Heat pumps and hybrid heat pumps equipped with Class 7 control systems.

Monobloc air/water heat pumps

A complete range of outdoor units up to 16 kW

- High temperature (R290) and medium temperature (R32)
- Highly efficient (A+++)
- Easy to install
- Very quiet
- Cascade installation possible with up to 8 units

	R32	R290
		

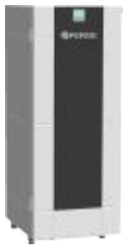
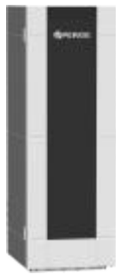
✓=factory-assembled ◯ = Optional — = Not applicable

Serie	OptiPac MR32	OptiPac MR290
Page	**20**	**46**
Type of heat pump	Medium temperature up to 65 °C	High temperature up to 75 °C
Refrigerant	R32	R290
Services	Heating – Cooling – DHW	Heating – Cooling – DHW
Heat pump output at 7 °C / 35 °C (kW): Single-phase	4 - 6 - 8 - 10 - 12 - 14 - 16	4 - 7 - 9 - 12 - 16
Three-phase	12 - 14 - 16	12 - 16
Backup power (kW)	3 (single-phase) 3x3 (three-phase)	3 (single-phase) 3x3 (three-phase)
Energy Efficiency Class - Heating at 35 °C	A+++	A+++
Energy Efficiency Class - Heating at 55 °C	A++	A+++*
Sound pressure at 5 m	From 31 dB	From 29 dB
Heating temperature	Up to 65 °C	Up to 75°C
COP	Up to 5,01	Up to 5,15
Cascade	Up to 8 outdoor units	Up to 8 outdoor units

Except 16 kW A++ model

A wide range of indoor units

- Easy to install (“Plug and Play”)
- Regardless of the connection configuration

	Hydraulic connections					
	At the rear				Up and down	
						

— = Not applicable

Serie	C	B150	C-RC7	B150-RC7	M-RC7	B180-RC7
Page with OptiPac MR32	**24**	**26**	**28**	**30**	**32**	**34**
Page with OptiPac MR290	**50**	**52**	**54**	**56**	**58**	**60**
Heating buffer tank volume (L)	80	80	80	80	45	45
Services	Heating, Cooling, and external DHW	Heating, Cooling, and external DHW	Heating, Cooling, and external DHW	Heating, Cooling, and external DHW	Heating, Cooling, and external DHW	Heating, Cooling, and external DHW
Stainless steel tank capacity (L)	—	150	—	150	—	180
Hydraulic connection position	At the rear	At the rear	At the rear	At the rear	Up and down	Up and down
Control class	Class VI factory-assembled	Class VI factory-assembled	Class VII (RC7) Factory-assembled Delivered with PLC connectors	Class VII (RC7) Factory-assembled Delivered with PLC connectors	Class VII (RC7) Factory-assembled Delivered with PLC connectors	Class VII (RC7) Factory-assembled Delivered with PLC connectors
Climate control: based on	Outdoor temperature Room temperature	Outdoor temperature Room temperature	Outdoor temperature Room temperature	Outdoor temperature Room temperature	Outdoor temperature Room temperature	Outdoor temperature Room temperature
MyPerge app for Android or iOS smartphones Local connection via Bluetooth - Remote access via Internet	—	—	MyPerge	MyPerge	MyPerge	MyPerge
Distance from wall (in cm)	50	50	50	50	0	0
Circuit n°1 circulator	Up	Up	Up	Up	—	—
Expansion vessel capacity (L)	14	14	14	14	14	14

More information about OptiPac

Hydraulic connections and frost protection

OptiPac MR32 and OptiPac MR290 heat pumps feature a frost protection function that uses either the heat pump or the backup heater to protect the water system from freezing under all conditions.
The use of antifreeze products in the heat transfer fluid is therefore not recommended.

To protect against any risk of a prolonged power outage during very cold weather, two anti-freeze safety valves must be installed on the heating flow and return of the outdoor unit.

A sludge separator with magnetic filter is also required on the return line to the outdoor unit.

The two frost protection valves, as well as the sludge separator, are included in item reference 900 639 - outdoor unit protection kit.

Anti-freeze safety valve

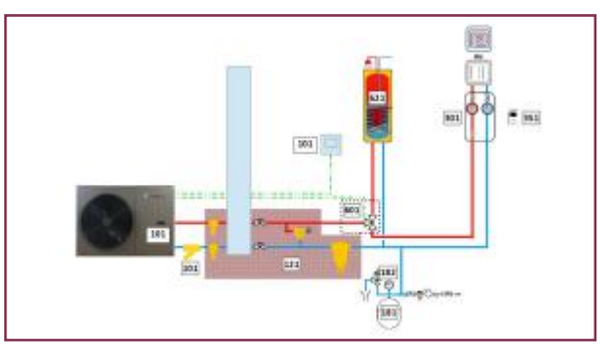
Sludge separator with magnetic filter

Air/water heat pump (as per BAR-TH 171) in stand-alone installation WITHOUT PERGE indoor unit

OptiPac MR32 and OptiPac MR290 heat pumps can be installed with or without a hydraulic decoupling system, provided that the installation is designed to ensure a minimum flow rate of 10 litres per minute through the outdoor unit at all times.

The available versions are as follows:

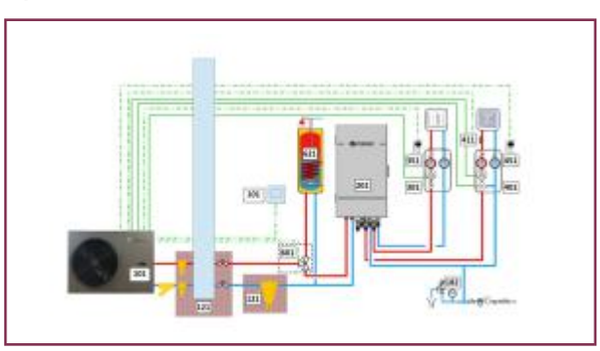
OptiPac -R version: WITHOUT buffer tank



The outdoor unit is delivered with a Class VI wired controller, which manages the system and acts as a room thermostat.

This is the most economical solution. **However**, please note that it is only suitable if the system flow rate always exceeds 10 litres per minute, i.e. 600 litres per hour.

OptiPac -R version: WITH buffer tank



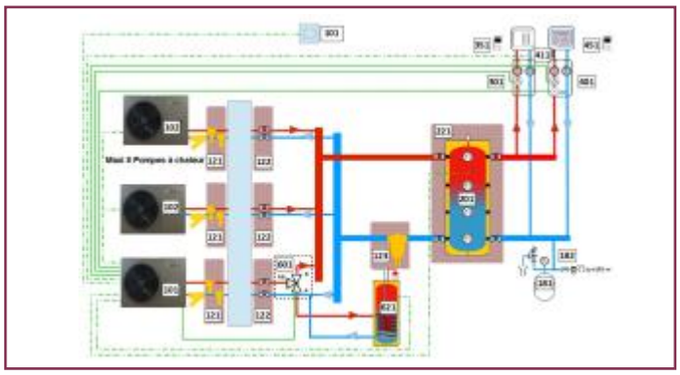
The outdoor unit is delivered with a Class VI wired controller, which manages the system and acts as a room thermostat.

This solution allows operation regardless of the flow rate.

It remains relatively cost-effective for simple system configurations.

More information about OptiPac

Air/water heat pump (as per BAR-TH 171) in cascade configuration

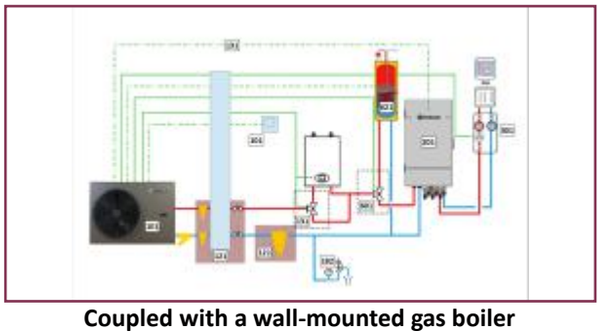


OptiPac MR32 and OptiPac MR290 heat pumps can operate in cascade with up to 8 outdoor units.
A single control unit is required. It is connected to the master outdoor unit, while the others are additional units whose start-up and shutdown are managed by this controller.

Cascade operation offers several key benefits:

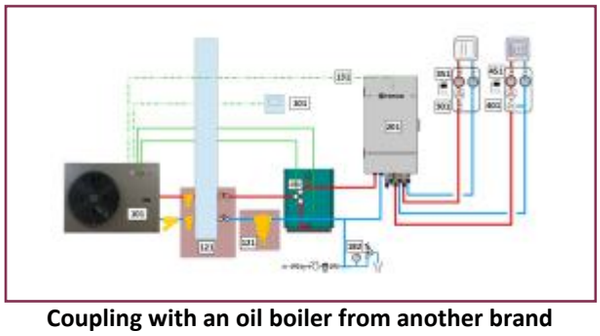
- Power output adapted to actual demand
- Energy savings
- Operational reliability
- Reduced noise levels

Air/water heat pump (as per BAR-TH 171) coupled with an existing boiler



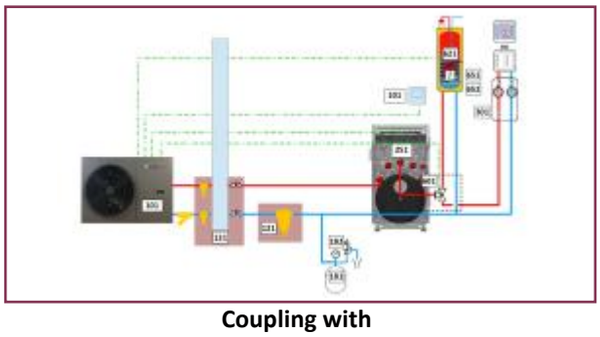
Coupled with a wall-mounted gas boiler

Can be coupled with a wall-mounted gas boiler that provides heating and/or domestic hot water via a separate storage tank



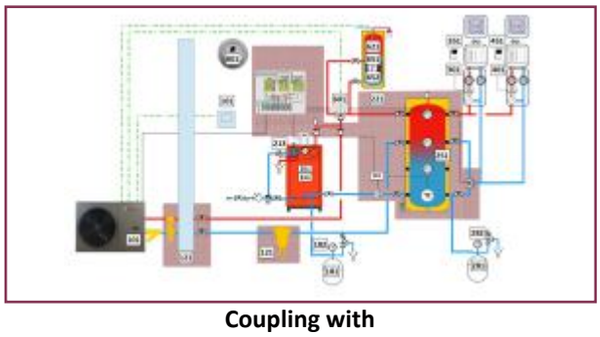
Coupling with an oil boiler from another brand

Can be coupled with any boiler available on the market.



Coupling with
a PERGE Optitherm bio-oil boiler

Thanks to the innovative hydraulic design of PERGE Optitherm boilers for over 30 years, coupling with the OptiPac is possible without a buffer tank.



Coupling with
a PERGE MC Classic log boiler

More than 60,000 PERGE MC log boilers are installed in France. They can be coupled with the OptiPac.

Smart features: optimised heat pump control

Forcing heat pump operation

The EVU function allows you to maximise the efficiency of your heat pump by activating the DHW (Domestic Hot Water) mode to heat the storage tank up to 70 °C. During this time, the heating and cooling functions continue to operate normally, ensuring optimal comfort.

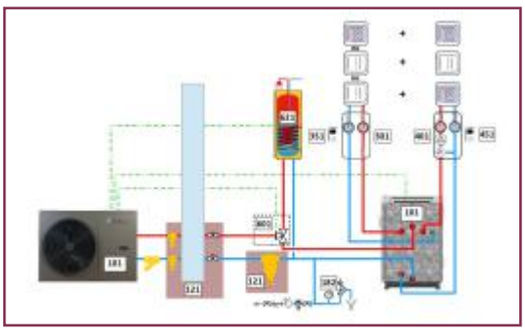
This feature is especially useful if your home is equipped with a photovoltaic system, allowing you to make the most of the available solar energy.

Restricting heat pump operation

When using a specific electricity tariff, such as the “red” days in EJP or Tempo contracts, it is possible to limit the operation of the heat pump during those periods, offering smart and cost-effective energy management.

More information about OptiPac with PERGE floor-standing indoor unit (BAR-TH 171)

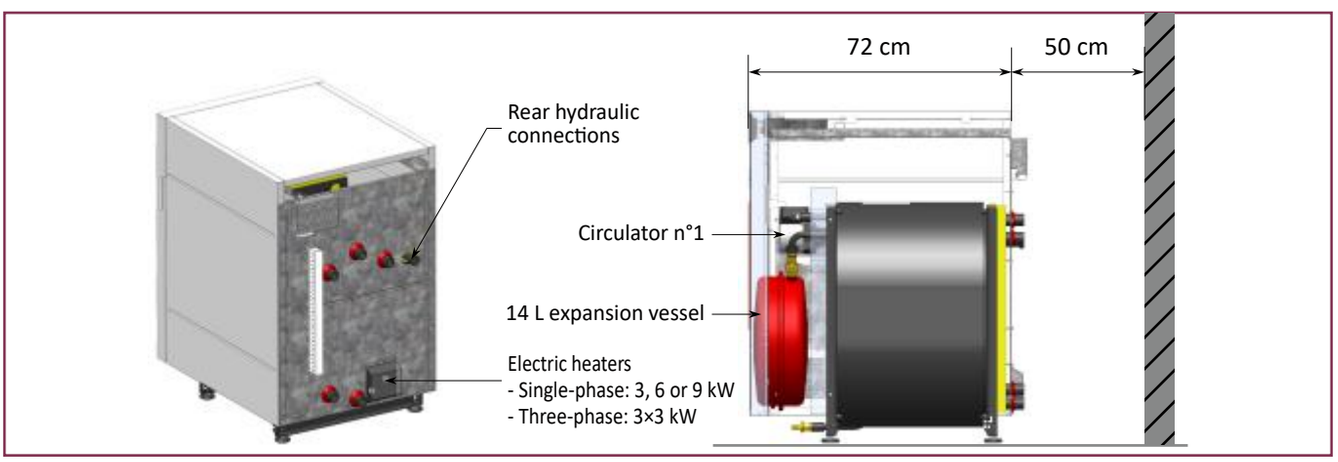
OptiPac C-R or C-RC7 version: With heating-only indoor unit - rear connection



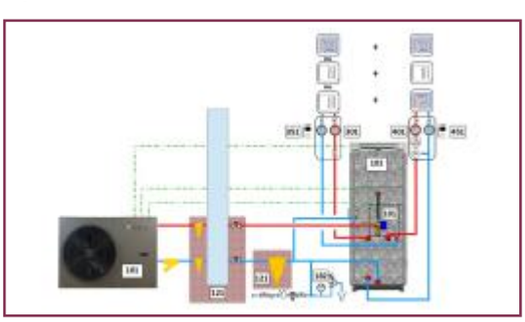
The outdoor unit is delivered with an 80-litre indoor unit for heating, equipped with a heating circulator and a 14-litre expansion vessel. The wired controller is mounted on the indoor unit.

Two control options are available:
-R: Class VI climate controller. One or more thermostats can be connected to the indoor unit to control each heating circuit based on room temperature.
-RC7: Class VII climate controller with room temperature compensation. Each circuit is controlled via a wired or wireless room sensor. Remote control is possible with the **MyPerge app.**

This solution operates regardless of the system's flow rate.
Factory pre-assembly makes installation easier. It also allows domestic hot water to be provided using an external DHW tank, either existing or new.



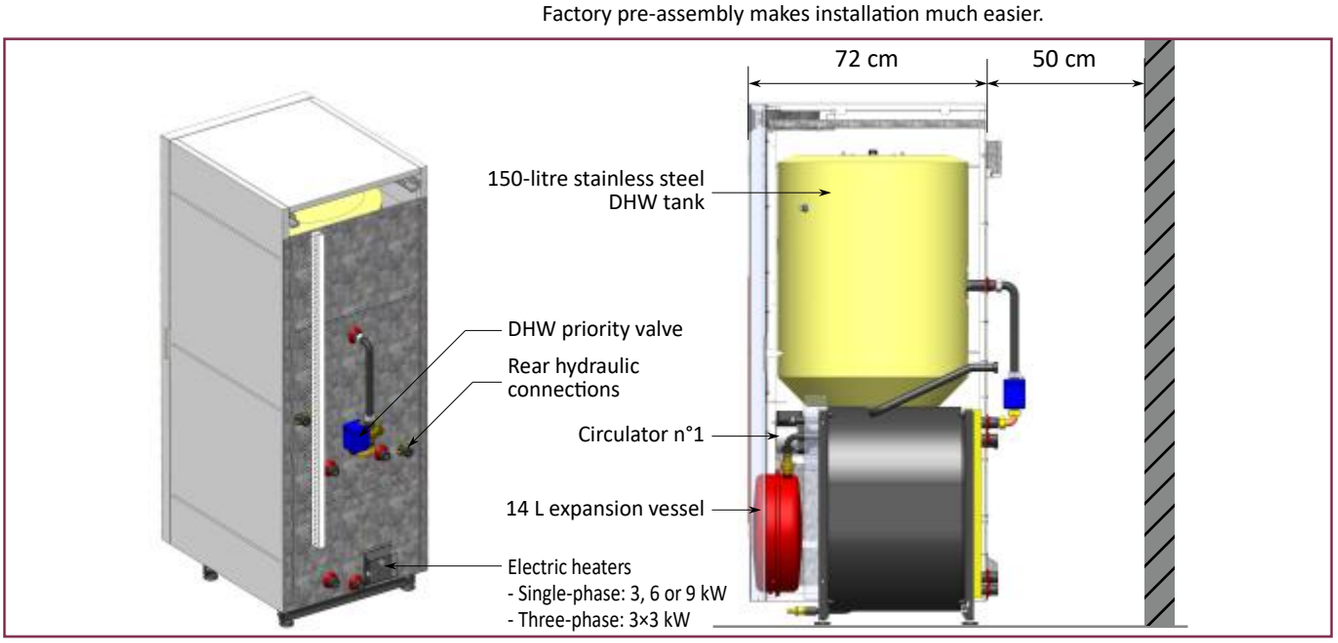
OptiPac B150-R or B150-RC7 version: With indoor unit for heating + DHW – rear connection (DHW = Domestic Hot Water)



The outdoor unit is delivered with an 80-litre indoor unit for heating, equipped with a heating circulator and a 14-litre expansion vessel, as well as a 150-litre stainless steel domestic hot water tank with DHW priority valve.

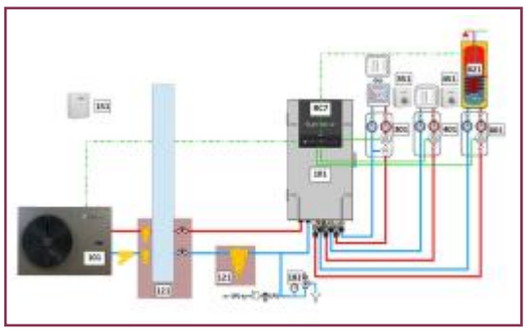
Two control options are available:
-R: Class VI climate controller. One or more thermostats can be connected to the indoor unit to control each heating circuit based on room temperature.
-RC7: Class VII climate controller with room temperature compensation. Each circuit is managed using a wired or wireless room sensor. Remote control is possible with the MyPerge app.

This solution operates regardless of the system's flow rate.
Factory pre-assembly makes installation much easier.



More information about OptiPac with PERGE wall-mounted indoor unit (BAR-TH 171)

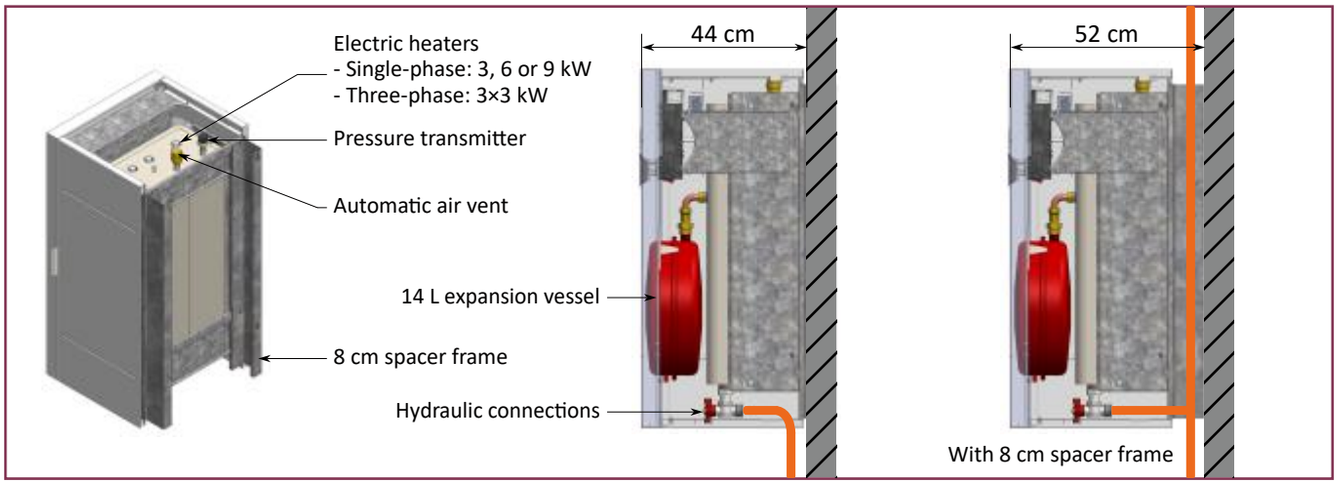
OptiPac M-RC7 version: With indoor heating unit – top and/or bottom connection



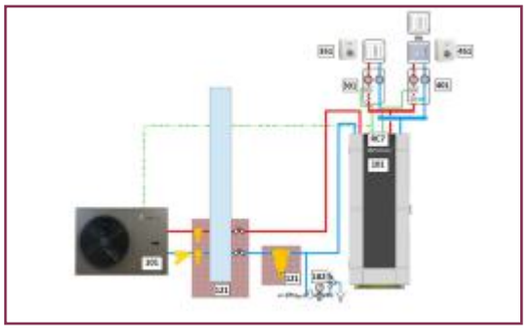
The outdoor unit is delivered with a wall-mounted indoor unit with a 45-litre water volume for heating, equipped with a 14-litre expansion vessel.
An optional spacer frame allows the indoor unit to be installed 8 cm away from the wall to allow pipework to pass upwards.

The RC7 control system, operated via the MyPerge app — remotely via the internet or locally via internet or Bluetooth — manages the entire installation.
Each heating circuit is controlled by a wired or wireless room sensor.

This solution operates regardless of the system's flow rate.
Factory pre-assembly makes installation much easier. It also allows domestic hot water to be produced using an external storage tank, whether existing or new.



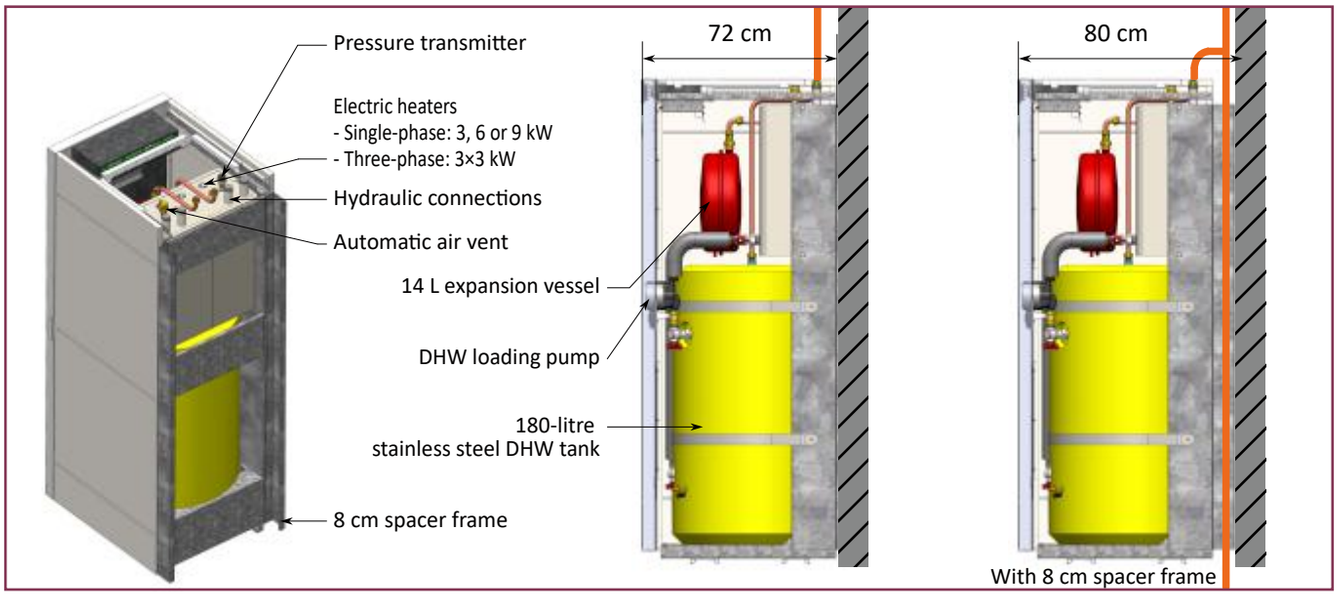
OptiPac B180-RC7 version: With indoor unit for heating + DHW – top and/or bottom connection



The outdoor unit is delivered with a wall-mounted indoor unit containing 45 litres of water for heating, equipped with a 14-litre expansion vessel and a 180-litre stainless steel domestic hot water tank with its loading pump.
An optional 8 cm spacer frame allows the indoor unit to be set away from the wall to allow pipework to pass behind it and downwards.

The RC7 control system, operated via the MyPerge app, remotely via the internet or locally via internet or Bluetooth, manages the entire system.
Each heating circuit is controlled by a wired or wireless room sensor.

This solution operates regardless of the system's flow rate.
Factory pre-assembly makes installation much easier.



Medium temperature monobloc air/water heat pumps - R32

OptiPac MR32

CE

Outdoor units – Technical and dimensional specifications

Models	Single-phase							Three-phase		
	4	6	8	10	12	14	16	12 Tri	14 Tri	16 Tri
Electrical connections										
Power supply, number of phases	1 Ph+N							3 Ph+N		
Supply voltage	230V - 50Hz							400V - 50Hz		
Power consumption (A)	25	27	30	33	38	40	42	24	25	26
Protection (A, curve D)	32	32	32	40	40	45	45	32	32	32
Power supply cables	3G6mm²	3G6mm²	3G6mm²	3G10mm²	3G10mm²	3G10mm²	3G10mm²	5G6mm²	5G6mm²	5G6mm²
Backup electric heater power (kW)	3							3 x 3		
Dimensions and weight										
a) Package on pallet										
H (mm)	965	965	965	1 082	1 082	1 140	1 140	1 082	1 140	1 140
L (mm)	1 200	1 200	1 200	1 260	1 260	1 285	1 285	1 260	1 285	1 285
W (mm)	425	425	425	488	488	495	495	488	495	495
Weight (kg)	91	93	93	108	117	136	136	126	150	150
b) Unit										
H (mm)	702	702	702	800	800	860	860	800	860	860
L (mm)	1 143	1 143	1 143	1 158	1 158	1 217	1 217	1 158	1 217	1 217
W (mm)	397	397	397	423	423	455	455	423	455	455
Weight (kg)	76	78	80	93	97	117	117	109	131	131
Refrigerant										
Type of refrigerant	R32									
Refrigerant charge (kg)	1,05	1,20	1,30	1,50	1,75	2,10	2,10	1,75	2,10	2,10
Hydraulics										
Hydraulic connections	Heating flow - return: 1'' M									
Maximum operating pressure (bar)	3									
Expansion vessel volume (L)	5									
Minimum flow rate without buffer tank (L/h)	3									
Minimum flow rate without buffer tank (L/h))	600 L/h									
Minimum volume with buffer tank (L)	25	25	25	25	40	40	40	40	40	40
Operating range										
Heating - Water temperature (°C)	+12° / +65°									
Cooling - Water temperature (°C)	+5° / +25°									
Heating - Outdoor temperature (°C)	-25° / +35°									
Cooling - Outdoor temperature (°C)	-5° / +43°									
DHW mode - Outdoor temperature (°C)	-25° / +43°									
Performances										
Seasonal Energy Efficiency - Heating (35 °C)	185	178	177	187	184	180	179	184	178	180
Energy Class - Heating (35 °C)	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
SCOP - Heating (35 °C)	4,70	4,53	4,51	4,75	4,67	4,56	4,55	4,67	4,52	4,57
Seasonal Energy Efficiency - Heating (55 °C)	133	130	126	136	137	129	131	137	133	132
Energy Class - Heating (55 °C)	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
SCOP - Heating (55 °C)	3,40	3,33	3,23	3,47	3,50	3,30	3,36	3,50	3,40	3,38
Acoustics										
Sound pressure at 5 m (dB)	31	33	34	35	39	40	43	39	40	43

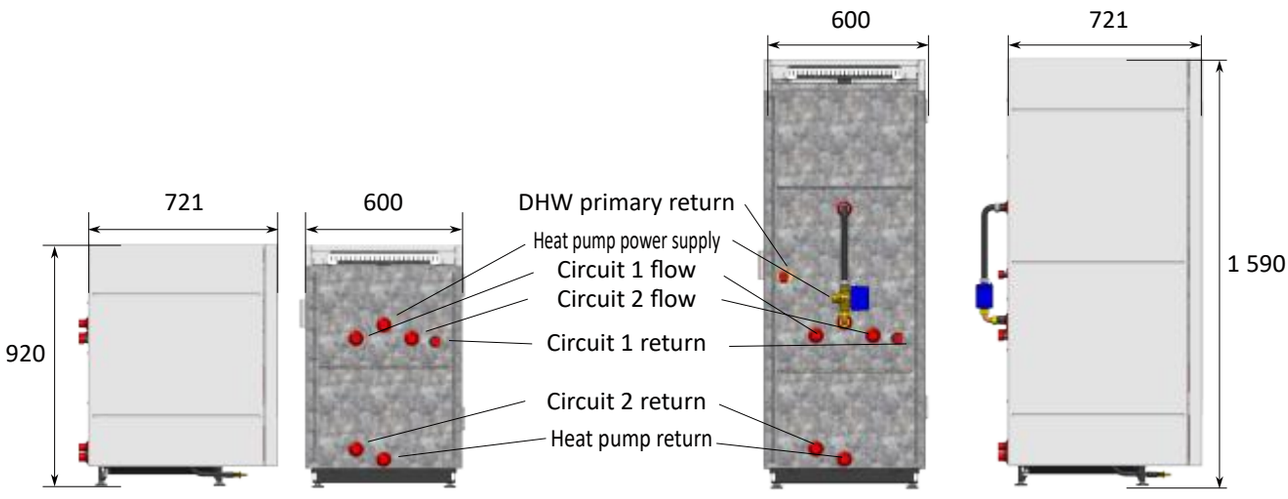
Medium temperature monobloc air/water heat pumps - R32

OptiPac MR32

CE

Indoor units - Dimensional specifications

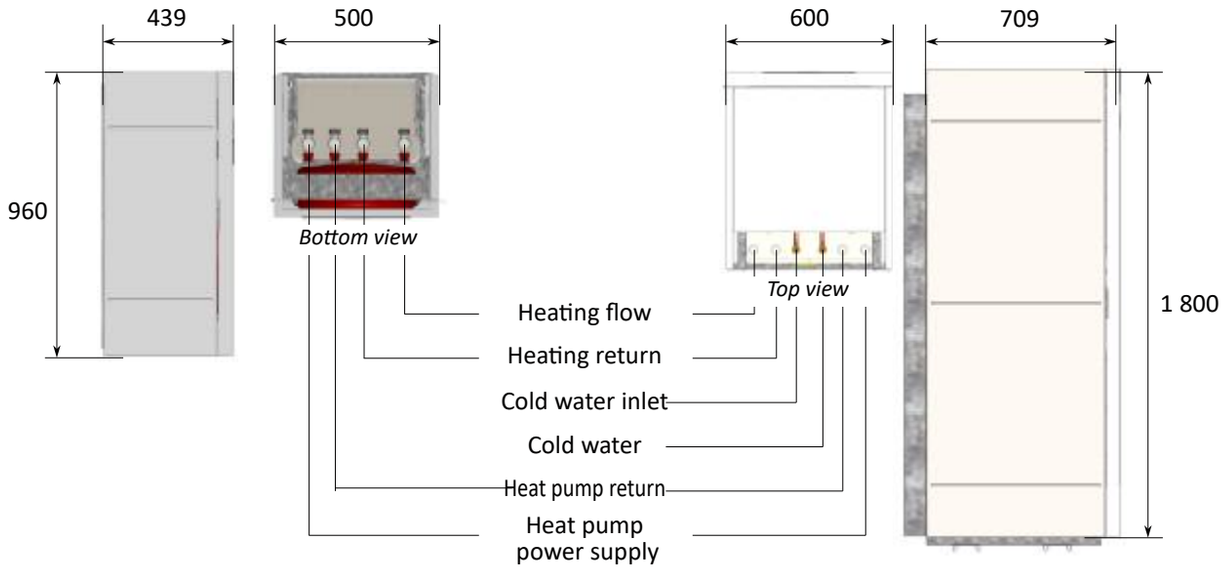
Floor-standing heat pump indoor units



C-R or C-RC7

B150-R or B150-RC7

Wall-mounted heat pump indoor units



M-RC7

B180-RC7

Outdoor units - Output and COP table - Heating mode

OptiPac MR32 04

Outdoor temperature (°C)	Flow temperature (°C)																	
	25		30		35		40		45		50		55		60		65	
	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP
-25	1,95	1,83	1,71	3,29	1,49	2,14	1,35	1,11	1,24	0,95	-	-	-	-	-	-	-	-
-20	2,77	2,38	2,60	3,39	2,38	2,41	2,17	1,51	2,04	1,28	1,95	1,06	1,67	0,92	-	-	-	-
-15	3,48	2,98	3,36	3,57	3,14	2,73	2,91	1,96	2,77	1,65	2,68	1,42	2,54	1,28	1,61	1,11	-	-
-10	4,08	3,61	3,98	3,84	3,77	3,08	3,56	2,43	3,41	2,03	3,31	1,79	3,27	1,66	2,56	1,51	-	-
-7	4,39	4,00	4,29	4,03	4,09	3,31	3,90	2,74	3,76	2,28	3,64	2,02	3,65	1,88	3,04	1,73	-	-
-5	4,57	4,27	4,47	4,18	4,28	3,47	4,12	2,95	3,98	2,45	3,84	2,17	3,88	2,03	3,33	1,87	-	-
0	4,95	4,97	4,83	4,60	4,67	3,91	4,60	3,49	4,47	2,88	4,27	2,56	4,34	2,41	3,92	2,19	-	-
5	5,22	5,70	5,04	5,10	4,93	4,38	4,99	4,07	4,87	3,34	4,61	2,95	4,67	2,79	4,33	2,47	3,28	1,93
7	5,30	6,00	5,09	5,32	5,00	4,58	5,13	4,32	5,01	3,54	4,71	3,12	4,77	2,94	4,44	2,57	3,48	2,12
10	5,38	6,47	5,13	5,68	5,07	4,89	5,30	4,69	5,20	3,83	4,84	3,36	4,87	3,17	4,55	2,70	3,73	2,38
15	5,43	7,27	5,07	6,34	5,08	5,45	5,53	5,34	5,44	4,34	4,97	3,78	4,93	3,56	4,60	2,90	4,00	2,74
20	5,37	8,11	4,89	7,08	4,96	6,04	5,66	6,03	5,61	4,88	5,00	4,21	4,86	3,94	4,47	3,06	-	-

OptiPac MR32 06

Outdoor temperature (°C)	Flow temperature (°C)																	
	25		30		35		40		45		50		55		60		65	
	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP
-25	2,26	2,02	1,95	2,24	2,06	1,33	1,48	1,49	1,15	1,33	-	-	-	-	-	-	-	-
-20	3,42	2,54	3,14	2,55	3,16	2,12	2,71	1,81	2,49	1,62	1,79	1,74	1,41	1,64	-	-	-	-
-15	4,39	3,10	4,15	2,90	4,08	2,45	3,76	2,15	3,62	1,93	3,18	1,82	2,89	1,71	2,68	1,13	-	-
-10	5,18	3,68	4,97	3,31	4,83	2,70	4,61	2,52	4,53	2,27	4,29	1,98	4,09	1,85	3,82	1,47	-	-
-7	5,57	4,05	5,38	3,57	5,20	3,56	5,03	2,75	4,98	2,48	4,83	2,11	4,66	1,96	4,37	1,67	-	-
-5	5,79	4,30	5,61	3,76	5,42	3,55	5,27	2,91	5,24	2,62	5,14	2,20	4,99	2,04	4,69	1,79	-	-
0	6,21	4,94	6,06	4,26	5,83	3,84	5,74	3,32	5,74	2,99	5,71	2,50	5,60	2,30	5,29	2,09	-	-
5	6,44	5,61	6,33	4,82	6,08	4,59	6,02	3,76	6,02	3,39	6,02	2,86	5,93	2,61	5,62	2,36	3,92	1,87
7	6,49	5,89	6,39	5,05	6,13	5,01	6,08	3,95	6,08	3,55	6,07	3,03	5,97	2,75	5,68	2,46	4,26	2,10
10	6,49	6,32	6,41	5,42	6,15	5,79	6,12	4,23	6,10	3,80	6,05	3,30	5,96	2,99	5,68	2,61	4,63	2,39
15	6,36	7,05	6,31	6,08	6,05	7,43	6,02	4,72	5,97	4,23	5,82	3,80	5,70	3,42	5,47	2,83	4,89	2,70
20	6,04	7,82	6,02	6,78	5,79	9,53	5,73	5,24	5,62	4,69	5,31	4,38	5,16	3,91	4,99	3,03	-	-

OptiPac MR32 08

Outdoor temperature (°C)	Flow temperature (°C)																	
	25		30		35		40		45		50		55		60		65	
	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP
-25	4,07	2,53	3,42	2,20	3,05	1,75	2,68	1,59	2,10	1,36	-	-	-	-	-	-	-	-
-20	5,11	2,64	4,64	2,35	4,41	1,99	4,04	1,80	3,57	1,57	2,71	1,38	2,89	1,32	-	-	-	-
-15	6,00	2,97	5,68	2,64	5,55	2,32	5,19	2,07	4,84	1,82	4,26	1,68	4,24	1,51	3,78	1,39	-	-
-10	6,72	3,50	6,52	3,07	6,48	2,73	6,15	2,42	5,89	2,13	5,53	2,01	5,35	1,74	4,55	1,64	-	-
-7	7,08	3,91	6,93	3,40	6,93	3,03	6,62	2,67	6,41	2,33	6,16	2,21	5,90	1,90	4,96	1,80	-	-
-5	7,28	4,23	7,17	3,65	7,19	3,24	6,90	2,85	6,72	2,48	6,53	2,35	6,22	2,01	5,22	1,91	-	-
0	7,69	5,17	7,63	4,37	7,69	3,84	7,46	3,35	7,34	2,88	7,26	2,70	6,86	2,32	5,80	2,18	-	-
5	7,93	6,31	7,91	5,24	7,97	4,53	7,81	3,93	7,74	3,34	7,72	3,07	7,27	2,67	6,30	2,46	3,00	1,04
7	7,98	6,83	7,96	5,63	8,02	4,83	7,90	4,18	7,85	3,53	7,83	3,22	7,36	2,82	6,47	2,57	3,72	1,46
10	8,01	7,66	7,99	6,26	8,04	5,31	7,96	4,58	7,93	3,84	7,91	3,45	7,44	3,06	6,70	2,75	4,53	1,94
15	7,93	9,22	7,88	7,42	7,89	6,17	7,92	5,30	7,91	4,39	7,83	3,85	7,37	3,49	7,01	3,05	5,14	2,35
20	7,70	10,98	7,58	8,72	7,53	7,13	7,67	6,10	7,67	5,00	7,49	4,26	7,07	3,96	7,24	3,37	-	-

OptiPac MR32 10

Outdoor temperature (°C)	Flow temperature (°C)																	
	25		30		35		40		45		50		55		60		65	
	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP
-25	4,55	2,61	3,64	2,30	3,72	1,82	2,65	1,67	1,81	1,37	-	-	-	-	-	-	-	-
-20	5,73	2,81	5,08	2,45	5,27	2,10	4,28	1,92	3,65	1,65	2,86	1,51	2,83	1,39	-	-	-	-
-15	6,77	3,16	6,32	2,72	6,58	2,46	5,69	2,22	5,23	1,95	4,60	1,79	4,56	1,63	3,96	1,42	-	-
-10	7,66	3,67	7,36	3,13	7,66	2,90	6,89	2,58	6,56	2,29	6,06	2,09	5,99	1,89	4,85	1,67	-	-
-7	8,13	4,05	7,88	3,43	8,20	3,20	7,50	2,82	7,24	2,51	6,80	2,28	6,71	2,06	5,34	1,83	-	-
-5	8,42	4,33	8,19	3,66	8,50	3,41	7,86	2,99	7,64	2,66	7,24	2,42	7,13	2,17	5,64	1,94	-	-
0	9,04	5,15	8,83	4,33	9,11	4,00	8,61	3,46	8,47	3,06	8,13	2,77	7,96	2,48	6,34	2,23	-	-
5	9,52	6,12	9,27	5,12	9,49	4,66	9,14	3,98	9,05	3,48	8,74	3,14	8,49	2,82	6,94	2,53	3,65	1,36
7	9,67	6,55	9,39	5,48	9,57	4,95	9,29	4,21	9,21	3,66	8,90	3,30	8,62	2,96	7,15	2,66	4,61	1,69
10	9,85	7,25	9,51	6,05	9,62	5,40	9,45	4,56	9,38	3,94	9,06	3,55	8,72	3,18	7,44	2,85	5,54	2,09
15	10,05	8,53	9,55	7,10	9,53	6,21	9,54	5,19	9,46	4,43	9,09	3,97	8,65	3,57	7,85	3,18	5,72	2,52
20	10,11	9,97	9,39	8,29	9,20	7,09	9,41	5,88	9,29	4,95	8,84	4,42	8,28	3,98	8,17	3,52	-	-

Outdoor units - Output and COP table - Heating mode (continued)

OptiPac MR32 12

Outdoor temperature (°C)	Flow temperature (°C)																	
	25		30		35		40		45		50		55		60		65	
	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP
-25	4,96	2,38	5,06	2,39	4,19	1,92	3,81	1,55	3,36	1,33	-	-	-	-	-	-	-	-
-20	6,75	2,53	6,78	2,38	6,09	2,06	5,78	1,76	5,56	1,56	4,78	1,52	4,67	1,23	-	-	-	-
-15	8,28	2,86	8,25	2,55	7,72	2,32	7,46	2,04	7,42	1,84	6,83	1,74	6,67	1,53	3,16	1,07	-	-
-10	9,56	3,35	9,46	2,88	9,09	2,68	8,86	2,40	8,95	2,16	8,50	2,00	8,29	1,84	5,41	1,38	-	-
-7	10,20	3,73	10,06	3,17	9,79	2,95	9,56	2,65	9,71	2,38	9,32	2,17	9,08	2,02	6,52	1,57	-	-
-5	10,57	4,02	10,41	3,39	10,21	3,15	9,97	2,83	10,15	2,53	9,78	2,29	9,54	2,14	7,17	1,69	-	-
0	11,32	4,86	11,12	4,07	11,06	3,73	10,80	3,34	11,02	2,94	10,68	2,62	10,41	2,44	8,46	2,00	-	-
5	11,82	5,86	11,56	4,91	11,65	4,43	11,34	3,92	11,56	3,40	11,19	2,98	10,91	2,74	9,28	2,30	8,39	2,04
7	11,94	6,31	11,67	5,30	11,82	4,73	11,48	4,17	11,69	3,60	11,29	3,14	11,00	2,86	9,48	2,42	9,21	2,27
10	12,05	7,04	11,76	5,93	11,99	5,23	11,60	4,58	11,77	3,90	11,32	3,38	11,03	3,03	9,62	2,60	9,85	2,53
15	12,02	8,38	11,69	7,12	12,06	6,14	11,57	5,31	11,66	4,45	11,06	3,81	10,78	3,33	9,49	2,90	9,35	2,81
20	11,74	9,90	11,37	8,47	11,87	7,16	11,26	6,12	11,21	5,04	10,41	4,28	10,15	3,62	8,88	3,20	-	-

OptiPac MR32 14

Outdoor temperature (°C)	Flow temperature (°C)																	
	25		30		35		40		45		50		55		60		65	
	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP
-25	4,83	2,39	4,78	2,34	4,28	1,81	3,58	1,47	2,53	1,41	-	-	-	-	-	-	-	-
-20	7,20	2,56	7,06	2,52	6,89	2,03	6,33	1,76	5,67	1,58	3,01	1,45	3,86	1,19	-	-	-	-
-15	9,22	2,90	9,01	2,79	9,09	2,32	8,64	2,09	8,30	1,81	6,30	1,67	6,96	1,51	4,36	1,04	-	-
-10	10,86	3,39	10,63	3,16	10,87	2,69	10,53	2,47	10,42	2,08	8,95	1,93	9,36	1,84	6,15	1,36	-	-
-7	11,68	3,77	11,44	3,43	11,75	2,95	11,46	2,72	11,45	2,27	10,23	2,10	10,47	2,03	7,06	1,55	-	-
-5	12,15	4,05	11,92	3,63	12,25	3,14	12,00	2,89	12,03	2,41	10,95	2,22	11,06	2,16	7,58	1,68	-	-
0	13,07	4,87	12,88	4,21	13,22	3,66	13,04	3,36	13,13	2,78	12,30	2,55	12,06	2,48	8,65	1,99	-	-
5	13,62	5,84	13,50	4,88	13,77	4,25	13,65	3,87	13,72	3,20	13,02	2,91	12,36	2,81	9,34	2,30	8,36	1,92
7	13,74	6,28	13,66	5,17	13,88	4,51	13,78	4,09	13,82	3,39	13,12	3,06	12,29	2,94	9,52	2,42	8,94	2,10
10	13,81	6,98	13,80	5,65	13,92	4,92	13,84	4,43	13,80	3,68	13,08	3,30	11,97	3,13	9,68	2,60	9,49	2,33
15	13,63	8,27	13,77	6,52	13,66	5,66	13,61	5,03	13,38	4,20	12,50	3,74	10,87	3,46	9,64	2,90	9,51	2,54
20	13,09	9,73	13,41	7,50	12,98	6,48	12,95	5,68	12,44	4,77	11,28	4,20	9,07	3,79	9,25	3,19	-	-

OptiPac MR32 16

Outdoor temperature (°C)	Flow temperature (°C)																	
	25		30		35		40		45		50		55		60		65	
	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP	O (kW)	COP
-25	6,15	2,14	6,35	2,25	5,41	1,64	4,51	1,46	3,56	1,13	-	-	-	-	-	-	-	-
-20	8,92	2,37	8,98	2,31	8,28	1,82	7,30	1,69	6,81	1,41	4,53	1,23	5,01	1,04	-	-	-	-
-15	11,21	2,73	11,16	2,52	10,67	2,10	9,63	1,98	9,51	1,72	7,83	1,56	8,31	1,40	5,53	0,95	-	-
-10	13,03	3,23	12,90	2,86	12,60	2,48	11,53	2,33	11,68	2,06	10,40	1,89	10,88	1,76	8,23	1,31	-	-
-7	13,88	3,59	13,72	3,13	13,52	2,76	12,45	2,57	12,71	2,29	11,60	2,09	12,08	1,97	9,53	1,53	-	-
-5	14,36	3,86	14,19	3,35	14,05	2,97	12,98	2,74	13,30	2,44	12,26	2,23	12,74	2,11	10,26	1,67	-	-
0	15,21	4,63	15,04	3,97	15,04	3,56	13,98	3,21	14,38	2,86	13,38	2,59	13,86	2,46	11,63	2,03	-	-
5	15,58	5,53	15,44	4,73	15,55	4,26	14,54	3,74	14,93	3,31	13,78	2,95	14,26	2,80	12,34	2,38	9,02	2,01
7	15,60	5,93	15,47	5,08	15,62	4,57	14,64	3,97	14,99	3,50	13,74	3,10	14,22	2,94	12,43	2,52	9,84	2,24
10	15,48	6,57	15,40	5,64	15,60	5,07	14,65	4,34	14,93	3,80	13,46	3,33	13,94	3,14	12,37	2,73	10,30	2,49
15	14,89	7,74	14,91	6,68	15,17	5,98	14,32	4,99	14,39	4,32	12,41	3,71	12,89	3,47	11,75	3,07	9,05	2,65
20	13,82	9,05	13,98	7,87	14,28	6,99	13,55	5,70	13,32	4,87	10,64	4,10	11,12	3,80	10,46	3,41	-	-

Medium temperature air/water heat pumps without indoor unit

OptiPac MR32-R

Heating | Cooling | DHW

kW — Heat pump output: 4 to 16 kW
Backup heater: 3 kW or 3×3 kW

COP up to 5,01 | 31 dB | Temp. up to 65°C

ENERGY A+++ | R32

Description	Designation: OptiPac MR32	Heat pump (HP) kW	Power supply	SEER	Ref	€ Excl. tax
Outdoor unit includes: •Internal R32 refrigeration circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid receiver, electronic expansion valve, Panasonic DC inverter fan motor, R32-to-air heat exchanger with weather protection, R32-to-water plate heat exchanger •Hydraulic circuit with DC inverter circulator, 5-litre expansion vessel, safety valve, 1"M flow and return connections •Backup electric heater (3 kW for single-phase version, 3×3 kW for three-phase version) •Easy-access electrical connection box •DHW sensor •Anti-frost heating cable in condensate tray **Indoor touchscreen controller:** •Modification/viewing of system parameters •Integrated room sensor •Daily/weekly programming •Holiday mode •Error code display •Supplied with a 20-metre cable for connection to the outdoor unit **Packaging:** •1 × Outdoor unit •1 × Wired controller	**Delivered with indoor controller**					
	4 Single-phase -R	4	Single-phase	185	920 020	3 690
	6 Single-phase -R	6	Single-phase	178	920 021	3 990
	8 Single-phase -R	8	Single-phase	177	920 022	4 390
	10 Single-phase -R	10	Single-phase	187	920 023	4 990
	12 Single-phase -R	12	Single-phase	184	920 024	5 790
	14 Single-phase -R	14	Single-phase	180	920 025	6 690
	16 Single-phase -R	16	Single-phase	179	920 026	6 990
	12 Three-phase-R	12	Three-phase	184	920 027	6 390
	14 Three-phase-R	14	Three-phase	178	920 028	7 290
	16 Three-phase-R	16	Three-phase	180	920 029	7 790
	"Slave" model in cascade configurations (maximum 1 master + 7 slaves)					
	4 Single-phase	4	Single-phase	185	920 000	3 520
	6 Single-phase	6	Single-phase	178	920 001	3 820
	8 Single-phase	8	Single-phase	177	920 002	4 220
	10 Single-phase	10	Single-phase	187	920 003	4 820
	12 Single-phase	12	Single-phase	184	920 004	5 620
	14 Single-phase	14	Single-phase	180	920 005	6 520
	16 Single-phase	16	Single-phase	179	920 006	6 820
	12 Three-phase	12	Three-phase	184	920 007	6 220
	14 Three-phase	14	Three-phase	178	920 008	7 120
	16 Three-phase	16	Three-phase	180	920 009	7 620

OptiPac MR32 -R: Mandatory accessories

Designation	Description	Ref	€ Excl. tax
Outdoor unit protection kit	Outdoor unit protection kit including two 1" male frost protection safety valves, two shut-off valves, and a sludge separator with magnetic filter.	900 639	495
Zone valve	Zone valve (mandatory for DHW production)	990 839	164

OptiPac MR32 -R: Optional specific equipment

Designation	Description	Ref	€ Excl. tax
BDME 45	PERGE wall-mounted buffer tank for heating, 45-litre capacity, equipped with a 14-litre expansion vessel, automatic air vent, and four shut-off valves	900 704	890
Temperature sensor	Temperature sensor (10 m cable)	992 687	31
AHS Accessory	Kit for coupling an OptiPac MR32 with an existing oil or gas boiler, including zone valve and temperature sensor	900 674	195

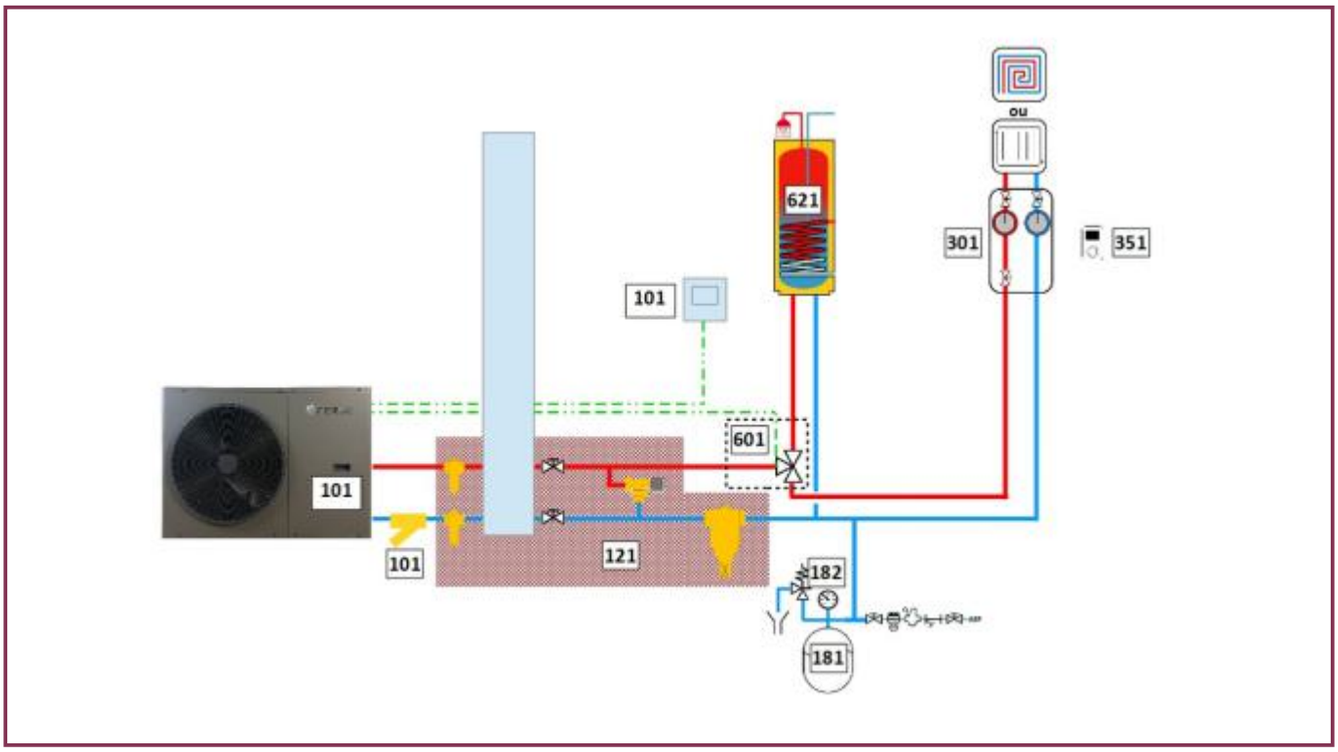
Standard optional accessories

Description	Page
Expansion vessel and safety valve	211
Hydraulic buffer tanks	206

Standard optional accessories

Description	Page
Domestic hot water storage tanks	209
Backup electric heaters	209

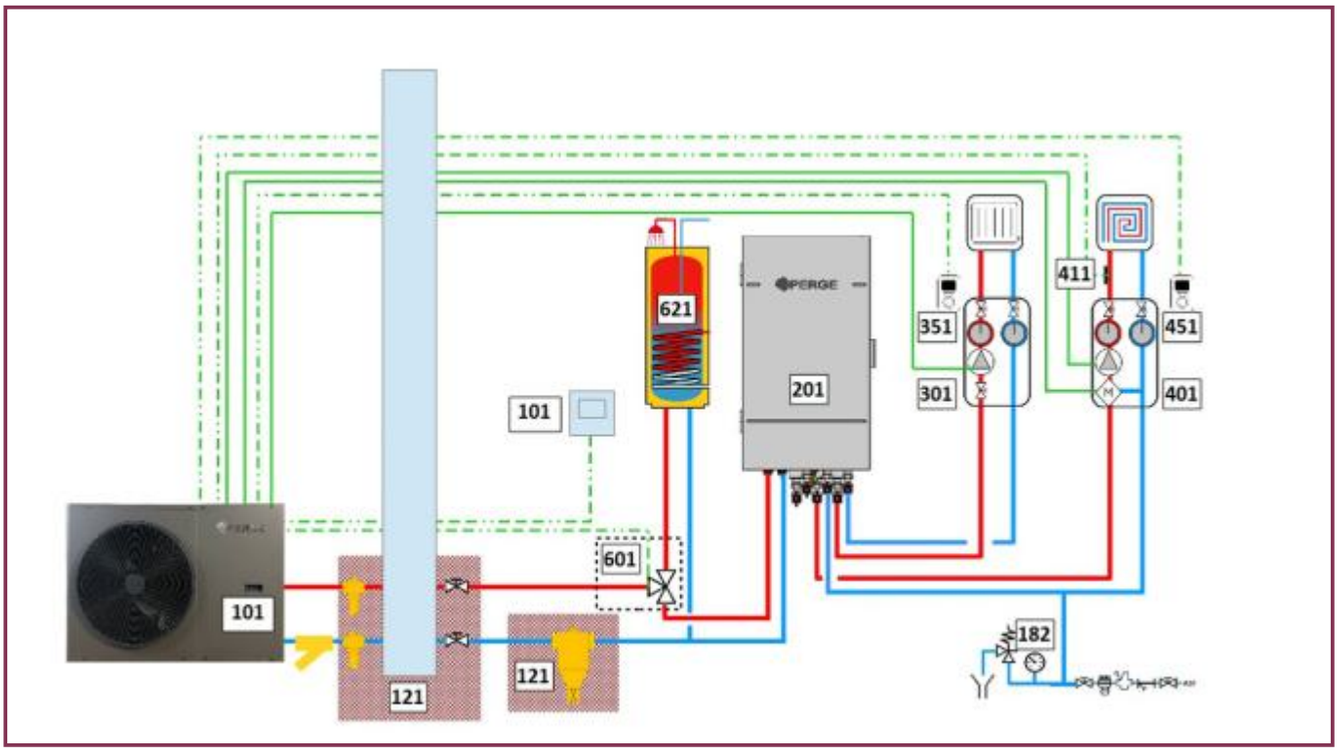
OptiPac MR32 without indoor unit – OPP20



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of heat pump model based on required output**			
>	OptiPac MR32 4 Mono -R	20	**920 020**	**3 690**
>	OptiPac MR32 6 Mono -R		**920 021**	**3 990**
>	OptiPac MR32 8 Mono -R		**920 022**	**4 390**
>	OptiPac MR32 10 Mono -R		**920 023**	**4 990**
>	OptiPac MR32 12 Mono -R		**920 024**	**5 790**
>	OptiPac MR32 14 Mono -R		**920 025**	**6 690**
>	OptiPac MR32 16 Mono -R		**920 026**	**6 990**
>	OptiPac MR32 12 Tri -R		**920 027**	**6 390**
>	OptiPac MR32 14 Tri -R		**920 028**	**7 290**
>	OptiPac MR32 16 Tri -R		**920 029**	**7 790**
121	**Outdoor unit protection kit (mandatory)**			
>	UE-SD protection kit	84	**900 642**	**560**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Safety device selection**			
>	Pressure relief valve with pressure gauge	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit N°1 – Direct hydraulic module MHS without circulator (factory-fitted)**			
>	MHS	210	**900 445**	**279**
351	**Mandatory selection of room thermostat type for circuit 1**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
601	**If DHW is required: zone valve is mandatory**			
>	Zone valve	20	**990 839**	**164**

N°	Designation	Page	Ref	€ Excl. tax
621	**DHW tank selection based on storage capacity**			
>	PE 200/1S Heat pump – 200 L	209	**918 003**	**1 770**
>	PE 300/1S Heat pump – 300 L		**918 004**	**2 470**
>	PE 150/1S – Grey – 150 L		**900 479**	**1 435**
>	PE 200/1S – Grey – 200 L		**900 475**	**1 576**
>	PE 300/1S – Grey – 300 L		**900 606**	**1 762**
>	PE 500/1S – Grey – 500 L		**900 624**	**2 236**

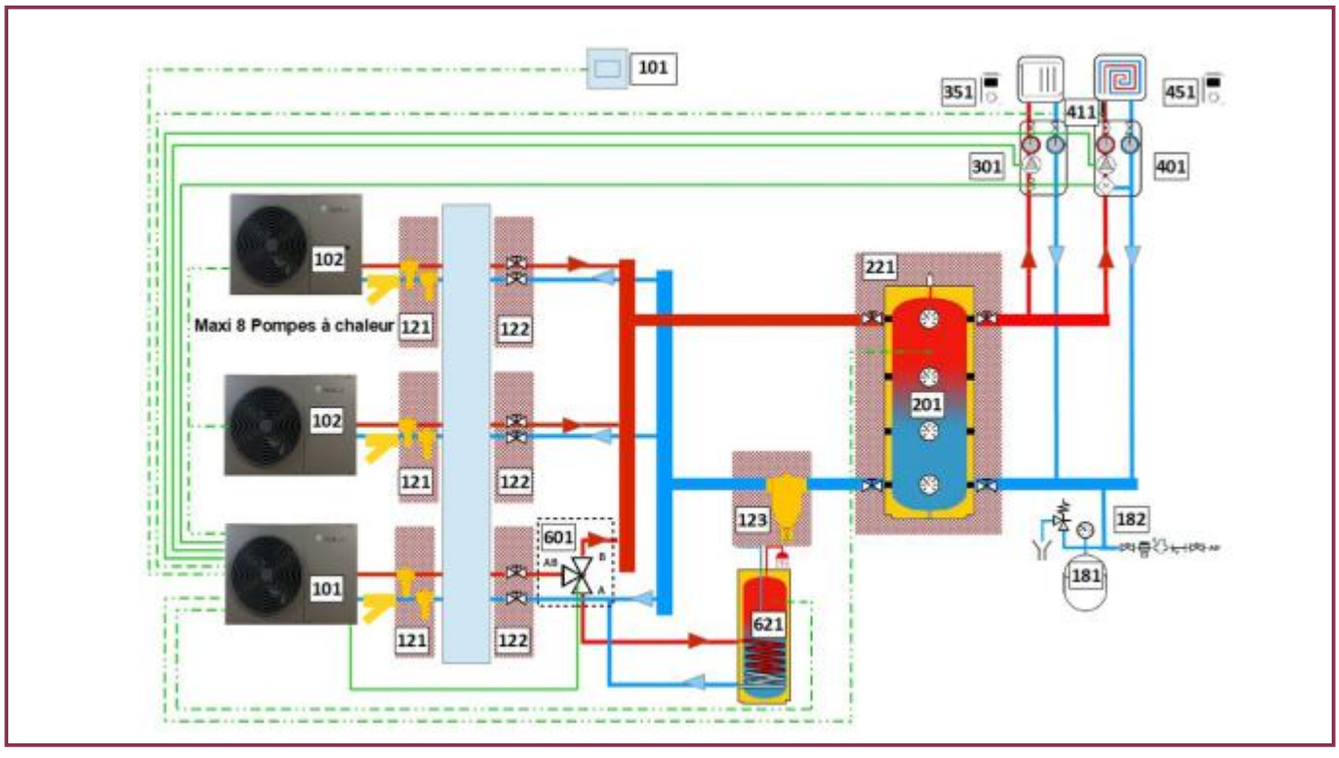
OptiPac MR32 with buffer tank – OPP21



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of heat pump model based on required output**			
>	OptiPac MR32 4 Single-phase -R	20	**920 020**	**3 690**
>	OptiPac MR32 6 Single-phase -R		**920 021**	**3 990**
>	OptiPac MR32 8 Single-phase -R		**920 022**	**4 390**
>	OptiPac MR32 10 Single-phase -R		**920 023**	**4 990**
>	OptiPac MR32 12 Single-phase -R		**920 024**	**5 790**
>	OptiPac MR32 14 Single-phase -R		**920 025**	**6 690**
>	OptiPac MR32 16 Single-phase -R		**920 026**	**6 990**
>	OptiPac MR32 12 Three-phase -R		**920 027**	**6 390**
>	OptiPac MR32 14 Three-phase -R		**920 028**	**7 290**
>	OptiPac MR32 16 Three-phase -R		**920 029**	**7 790**
121	**Outdoor unit protection kit (mandatory)**			
>	UE protection kit	20	**900 639**	**495**
182	**Selection of safety device**			
>	Pressure relief valve with pressure gauge	211	**900 404**	**23**
201	**Selection of buffer tank**			
>	BDME 45	22	**900 704**	**890**
301	**Heating circuit n°1**			
>	MHD	210	**900 420**	**421**
351	**Mandatory selection of room thermostat type for circuit 1**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**

N°	Designation	Page	Ref	€ Excl. tax
401	**Heating circuit n°2**			
>	MHR	210	**900 422**	**654**
411	**Flow sensor**			
>	OptiPac MR flow sensor w=10 m cable	20	**992 687**	**31**
451	**Mandatory selection of room thermostat type for circuit 2**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
601	**If DHW is required: zone valve is mandatory**			
>	Zone valve	20	**990 839**	**164**
621	**DHW tank selection based on storage capacity**			
>	PE 200/1S Heat pump – 200 L	209	**918 003**	**1 770**
>	PE 300/1S Heat pump – 300 L		**918 004**	**2 470**
>	PE 150/1S – Grey – 150 L		**900 479**	**1 435**
>	PE 200/1S – Grey – 200 L		**900 475**	**1 576**
>	PE 300/1S – Grey – 300 L		**900 606**	**1 762**
>	PE 500/1S – Grey – 500 L		**900 624**	**2 236**

OptiPac MR32 in cascade – OPP28



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of heat pump model based on required output**			
>	OptiPac MR32 4 Single-phase -R	20	**920 020**	**3 690**
>	OptiPac MR32 6 Single-phase -R		**920 021**	**3 990**
>	OptiPac MR32 8 Single-phase -R		**920 022**	**4 390**
>	OptiPac MR32 10 Single-phase -R		**920 023**	**4 990**
>	OptiPac MR32 12 Single-phase -R		**920 024**	**5 790**
>	OptiPac MR32 14 Single-phase -R		**920 025**	**6 690**
>	OptiPac MR32 16 Single-phase -R		**920 026**	**6 990**
>	OptiPac MR32 12 Three-phase -R		**920 027**	**6 390**
>	OptiPac MR32 14 Three-phase -R		**920 028**	**7 290**
>	OptiPac MR32 16 Three-phase -R		**920 029**	**7 790**
102	**Selection of additional outdoor units (up to 7 max)**			
>	OptiPac MR32 UE 4 Single-phase	20	**920 000**	**3 520**
>	OptiPac MR32 UE 6 Single-phase		**920 001**	**3 820**
>	OptiPac MR32 UE 8 Single-phase		**920 002**	**4 220**
>	OptiPac MR32 UE 10 Single-phase		**920 003**	**4 820**
>	OptiPac MR32 UE 12 Single-phase		**920 004**	**5 620**
>	OptiPac MR32 UE 14 Single-phase		**920 005**	**6 520**
>	OptiPac MR32 UE 16 Single-phase		**920 006**	**6 820**
>	OptiPac MR32 UE 12 Three-phase		**920 007**	**6 220**
>	OptiPac MR32 UE 14 Three-phase		**920 008**	**7 120**
>	OptiPac MR32 UE 16 Three-phase		**920 009**	**7 620**
121	**Frost protection valves (mandatory – 2 per outdoor unit)**			
>	Frost protection safety valve	12	**900 635**	**145**
>	Frost protection safety valve		**900 635**	**145**
122	**Shut-off valves (mandatory – 2 per outdoor unit)**			
>	1" shut-off valve	12	**900 383**	**20**
>	1" shut-off valve		**900 383**	**20**
123	**Sludge separator (mandatory – 1 per installation)**			
>	Sludge separator	12	**900 662**	**254**
181	**Expansion vessel selection**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**

N°	Designation	Page	Ref	€ Excl. tax
182	**Selection of safety device**			
>	Pressure relief valve with pressure gauge	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 L)		**900 564**	**97**
201	**Selection of buffer tank**			
>	BM 100 buffer tank	206	**900 620**	**704**
>	BM 200 buffer tank		**900 622**	**882**
>	BM 300 buffer tank		**900 623**	**1 111**
221	**Buffer tank connection accessories**			
>	BM-3P accessory (for BM100 and BM200)	206	**900 671**	**297**
>	BM-4P accessory (for BM300)		**900 672**	**331**
301	**Heating circuit n°1 - Selection of hydraulic module**			
>	MHD	210	**900 420**	**421**
351	**Selection of room thermostat type for circuit 1**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
401	**If heating circuit n°2 - Hydraulic modules**			
>	MHR	210	**900 422**	**654**
411	**If heating circuit n°2 OPP MR32 flow sensor**			
>	OPP MR flow sensor L=10m	20	**992 687**	**31**
451	**If heating circuit n°2 selection of room thermostat type for circuit 2**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
601	**If DHW is required: zone valve is mandatory**			
>	Zone valve	20	**990 839**	**164**
621	**Selection of DHW tank based on capacity**			
>	PE 200/1S Heat pump – 200 L	209	**918 003**	**1 770**
>	PE 300/1S Heat pump – 300 L		**918 004**	**2 470**
>	PE 150/1S – Grey – 150 L		**900 479**	**1 435**
>	PE 200/1S – Grey – 200 L		**900 475**	**1 576**
>	PE 300/1S – Grey – 300 L		**900 606**	**1 762**
>	PE 500/1S – Grey – 500 L		**900 624**	**2 236**

Medium temperature air with floor-standing indoor unit – heating only/water heat pumps

OptiPac MR32 C-R

Heating · Cooling · DHW

kW — Heat pump output: 4 to 16 kW
Backup heater: 3 kW or 3×3 kW

COP up to 5,01 · 31 dB · Temp. up to 65°C

ENERGY A+++ · R32

Description	Designation OptiPac MR32	Heat Pump kW	Power supply	SEER	Ref	€ Excl. tax
Outdoor unit includes: •Internal R32 refrigeration circuit with Mitsubishi Twin-Rotary inverter compressor, liquid receiver, electronic expansion valve, Panasonic inverter fan motor, R32-to-air heat exchanger with weather protection, and R32-to-water plate heat exchanger •Hydraulic circuit with inverter circulator, 5-litre expansion vessel, safety valve, 1" M flow and return connections •Backup electric heater (3 kW for single-phase version, 3×3 kW for three-phase version) •Easy-access electrical connection box •DHW sensor Anti-frost heating cable in the condensate tray **Indoor unit includes:** •Touchscreen controller with 20-metre cable for connection to the outdoor unit (enables modification/viewing of operating parameters and error code display) •80-litre primary water volume •14-litre expansion vessel •Circulator for heating circuit n°1 •Pre-wired terminal block (power supply, second circulator, room thermostat, underfloor heating safety) **Packaging:** 1 × Outdoor unit 1 × Indoor unit C	**4 Single-phase C-R**	**4**	**Single-phase**	**185**	**920 040**	**5 400**
	6 Single-phase C-R	**6**	**Single-phase**	**178**	**920 041**	**5 700**
	8 Single-phase C-R	**8**	**Single-phase**	**177**	**920 042**	**6 100**
	10 Single-phase C-R	**10**	**Single-phase**	**187**	**920 043**	**6 700**
	12 Single-phase C-R	**12**	**Single-phase**	**184**	**920 044**	**7 500**
	14 Single-phase C-R	**14**	**Single-phase**	**180**	**920 045**	**8 400**
	16 Single-phase C-R	**16**	**Single-phase**	**179**	**920 046**	**8 700**
	12 Three-phase C-R	**12**	**Three-phase**	**184**	**920 047**	**8 100**
	14 Three-phase C-R	**14**	**Three-phase**	**178**	**920 048**	**9 000**
	16 Three-phase C-R	**16**	**Three-phase**	**180**	**920 049**	**9 500**
	“Slave” model in cascade configurations (maximum 1 master + 7 slaves)					
	4 Single-phase	**4**	**Single-phase**	**185**	**920 000**	**3 520**
	6 Single-phase	**6**	**Single-phase**	**178**	**920 001**	**3 820**
	8 Single-phase	**8**	**Single-phase**	**177**	**920 002**	**4 220**
	10 Single-phase	**10**	**Single-phase**	**187**	**920 003**	**4 820**
	12 Single-phase	**12**	**Single-phase**	**184**	**920 004**	**5 620**
	14 Single-phase	**14**	**Single-phase**	**180**	**920 005**	**6 520**
	16 Single-phase	**16**	**Single-phase**	**179**	**920 006**	**6 820**
	12 Three-phase	**12**	**Three-phase**	**184**	**920 007**	**6 220**
	14 Three-phase	**14**	**Three-phase**	**178**	**920 008**	**7 120**
	16 Three-phase	**16**	**Three-phase**	**180**	**920 009**	**7 620**

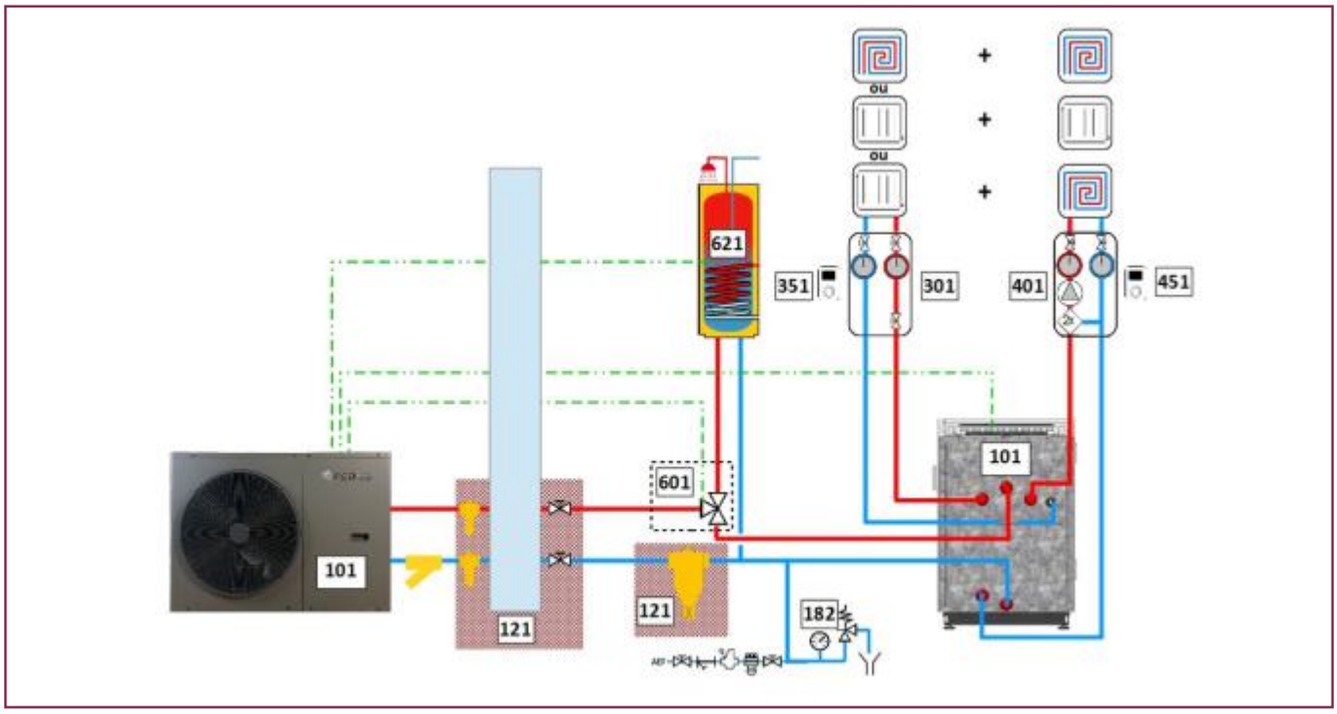
OptiPac MR32 -R: Mandatory accessories

Designation	Description	Ref	€ Excl. tax
UE Protection Kit	Outdoor unit protection kit including two 1" male frost protection safety valves, two shut-off valves, and a sludge separator with magnetic filter	**900 639**	**495**
Zone valve	Zone valve (mandatory for DHW production)	**990 839**	**164**

OptiPac MR32 -R: Optional specific equipment

Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulator Direct hydraulic module Hydraulic module with Duotherm	**900 445** **900 420** **900 493**	**279** **421** **541**
TH4-F **TH4-R**	Class IV wired room thermostat with weekly programming. Can control circulator or burner. Class IV wireless room thermostat with weekly programming transmitter and compact 868 MHz receiver. Can control circulator or burner.	**900 470** **900 471**	**67** **175**
Pressure relief valve with pressure gauge	Pressure relief valve with pressure gauge	**900 404**	**23**
PE (DHW tank)	DHW tank (see page 209)		
Temperature sensor	Temperature sensor W=10 m cable	**992 687**	**31**
AHS accessory	Kit for coupling an OptiPac MR32 with an existing oil or gas boiler, including zone valve and temperature sensor	**900 674**	**195**

OptiPac MR32 with floor-standing indoor unit – OPP22



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model based on the required power**			
>	OptiPac MR32 4 Single-phase C-R	24	**920 040**	**5 400**
>	OptiPac MR32 6 Single-phase C-R		**920 041**	**5 700**
>	OptiPac MR32 8 Single-phase C-R		**920 042**	**6 100**
>	OptiPac MR32 10 Single-phase C-R		**920 043**	**6 700**
>	OptiPac MR32 12 Single-phase C-R		**920 044**	**7 500**
>	OptiPac MR32 14 Single-phase C-R		**920 045**	**8 400**
>	OptiPac MR32 16 Single-phase C-R		**920 046**	**8 700**
>	OptiPac MR32 12 Three-phase C-R		**920 047**	**8 100**
>	OptiPac MR32 14 Three-phase C-R		**920 048**	**9 000**
>	OptiPac MR32 16 Three-phase C-R		**920 049**	**9 500**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	24	**900 639**	**495**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit n°1 – Direct hydraulic module MHS without circulating pump (as it is factory-fitted)**			
>	MHS	210	**900 445**	**279**
351	**Mandatory choice of room thermostat type for circuit 1**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
401	**If Heating circuit no.2 – Hydraulic modules**			
>	MH2X for two circuits with different T°	210	**900 493**	**541**
>	MHD		**900 420**	**421**
451	**Mandatory choice of room thermostat type for circuit 2**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**

N°	Designation	Page	Ref	€ Excl. tax
601	**If DHW (Domestic Hot Water) is required: zone valve is mandatory**			
>	Zone valve	20	**990 839**	**164**
621	**Selection of the DHW cylinder based on the desired capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

Medium-temperature Air/Water Heat Pumps with floor-standing indoor unit – heating + DHW

OptiPac MR32 B150-R

Heating | Cooling | DHW

kW

Heat pump output: 4 to 16 kW
Backup heater: 3 kW or 3×3 kW

COP up to 5,01 | 31 dB | Temp. up to 65°C

ENERGY A+++ | R32

Description	Designation: OptiPac MR32	Heat pump (HP) kW	Power supply	SEER	Ref	€ Excl. tax
Outdoor unit includes: • Internal R32 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, inverter fan motor, R32 air exchanger with weather and salt protection, R32 water plate exchanger • Hydraulic circuit with DC inverter circulating pump, 5-litre expansion vessel, safety valve, 1" M diameter flow and return connections • Electric back-up heater (3 kW for single-phase version, 3x3 kW for three-phase version) • Easy-access connection box • DHW sensor • Anti-frost heating cable in the condensate tray **Indoor unit includes:** • Touchscreen controller with 20-metre cable for connection to the outdoor unit (parameter modification/viewing, error code display) • 80-litre primary water volume • 14-litre expansion vessel • Circulating pump for circuit no.1 • Pre-wired terminal block (power supply, second circulating pump, room thermostat, underfloor heating safety) • 150-litre stainless steel domestic hot water tank • Zone valve for DHW priority **Packing:** • 1 x Outdoor unit • 1 x Indoor unit B150	**4 Single-phase B150-R**	**4**	**Single-phase**	**185**	**920 060**	**7 060**
	6 Single-phase B150-R	**6**	**Single-phase**	**178**	**920 061**	**7 360**
	8 Single-phase B150-R	**8**	**Single-phase**	**177**	**920 062**	**7 760**
	10 Single-phase B150-R	**10**	**Single-phase**	**187**	**920 063**	**8 360**
	12 Single-phase B150-R	**12**	**Single-phase**	**184**	**920 064**	**9 160**
	14 Single-phase B150-R	**14**	**Single-phase**	**180**	**920 065**	**10 060**
	16 Single-phase B150-R	**16**	**Single-phase**	**179**	**920 066**	**10 360**
	12 Three-phase B150-R	**12**	**Three-phase**	**184**	**920 067**	**9 760**
	14 Three-phase B150-R	**14**	**Three-phase**	**178**	**920 068**	**10 660**
	16 Three-phase B150-R	**16**	**Three-phase**	**180**	**920 069**	**11 160**
	"Slave" model for cascade configuration (Maximum 1 master + 7 slaves in cascade)					
	4 Single-phase	**4**	**Single-phase**	**185**	**920 000**	**3 520**
	6 Single-phase	**6**	**Single-phase**	**178**	**920 001**	**3 820**
	8 Single-phase	**8**	**Single-phase**	**177**	**920 002**	**4 220**
	10 Single-phase	**10**	**Single-phase**	**187**	**920 003**	**4 820**
	12 Single-phase	**12**	**Single-phase**	**184**	**920 004**	**5 620**
	14 Single-phase	**14**	**Single-phase**	**180**	**920 005**	**6 520**
	16 Single-phase	**16**	**Single-phase**	**179**	**920 006**	**6 820**
	12 Three-phase	**12**	**Three-phase**	**184**	**920 007**	**6 220**
	14 Three-phase	**14**	**Three-phase**	**178**	**920 008**	**7 120**
	16 Three-phase	**16**	**Three-phase**	**180**	**920 009**	**7 620**

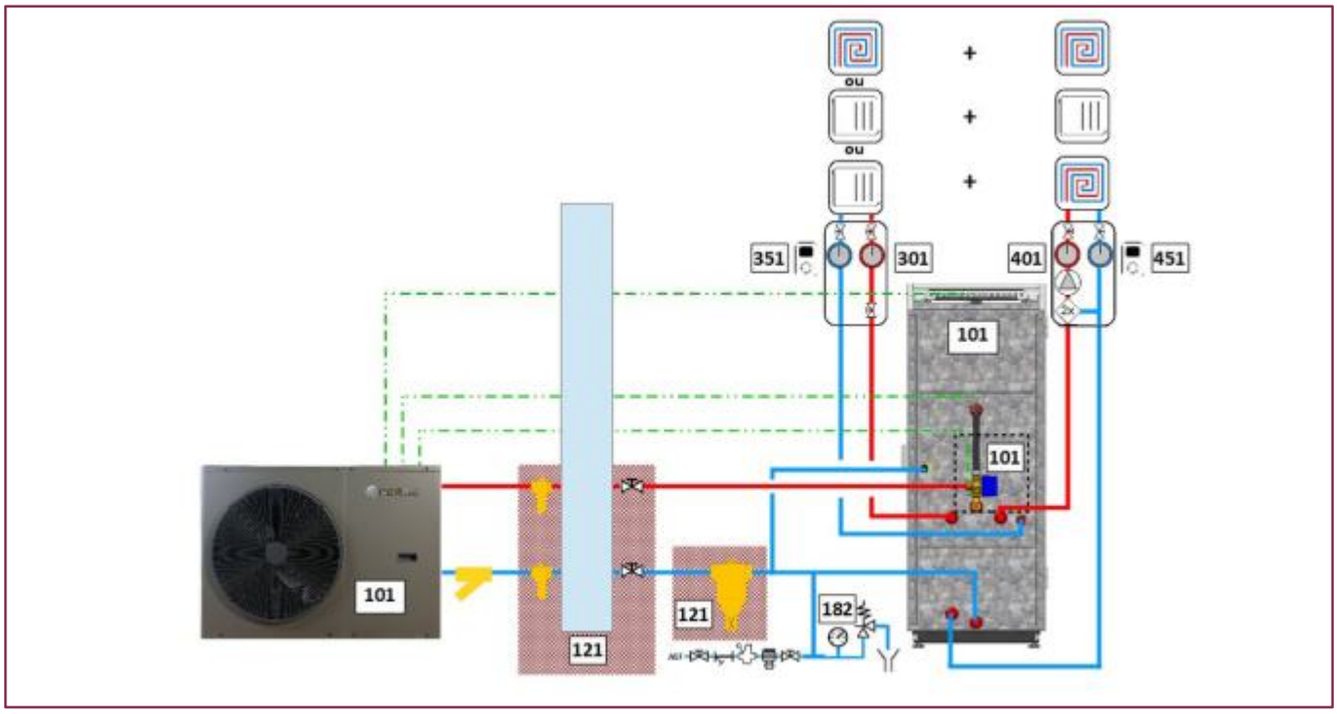
OptiPac MR32 -R: Mandatory accessories

Designation	Description	Ref	€ Excl. tax
Outdoor unit protection kit	Protection kit for the outdoor unit including:2 x 1" male anti-freeze safety valves,2 x shut-off valves,1 sludge separator with magnetic filter.	**900 639**	**495**

OptiPac MR32 -R: Specific Optional Equipment

Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulating pump Direct hydraulic module Hydraulic module with Duotherm	**900 445** **900 420** **900 493**	**279** **421** **541**
TH4-F **TH4-R**	Class IV wired room thermostat with weekly programming. Can control circulating pump or burner. Class IV wireless room thermostat, including a weekly-programmable transmitter and a compact 868 MHz receiver. Can control circulating pump or burner.	**900 470** **900 471**	**67** **175**
Pressure valve with manometer	Pressure valve with manometer	**900 404**	**23**
Temperature sensor	Temperature sensor – 10 m length	**992 687**	**31**
AHS accessory	Coupling kit for OptiPac MR32 with an existing oil or gas boiler, including a zone valve and a temperature sensor.	**900 674**	**195**

OptiPac MR32 with floor-standing indoor unit + integrated DHW – OPP23



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR32 4 Single-phase B150-R	26	**920 060**	**7 060**
>	OptiPac MR32 6 Single-phase B150-R		**920 061**	**7 360**
>	OptiPac MR32 8 Single-phase B150-R		**920 062**	**7 760**
>	OptiPac MR32 10 Single-phase B150-R		**920 063**	**8 360**
>	OptiPac MR32 12 Single-phase B150-R		**920 064**	**9 160**
>	OptiPac MR32 14 Single-phase B150-R		**920 065**	**10 060**
>	OptiPac MR32 16 Single-phase B150-R		**920 066**	**10 360**
>	OptiPac MR32 12 Three-phase B150-R		**920 067**	**9 760**
>	OptiPac MR32 14 Three-phase B150-R		**920 068**	**10 660**
>	OptiPac MR32 16 Three-phase B150-R		**920 069**	**11 160**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	26	**900 639**	**495**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit no.1 – Direct hydraulic module MHS without circulating pump (factory-fitted)**			
>	MHS	210	**900 445**	**279**
351	**Mandatory choice of room thermostat type for circuit no.1**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
401	**If Heating circuit no.2 – Hydraulic modules**			
>	MH2X for two circuits with different T°	210	**900 493**	**541**
>	MHD		**900 420**	**421**
451	**Mandatory choice of room thermostat type for circuit no.2**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**

Medium-temperature Air/Water Heat Pumps – Connect version with floor-standing indoor unit – heating only

OptiPac MR32 C-RC7

Heating | Cooling | DHW

Heat pump output: 4 to 16 kW
Backup heater: 3 kW or 3×3 kW

COP up to 5,01 | 31 dB | Temp. up to 65°C

ENERGY A+++ | R32

Description	Designation: OptiPac MR32	Heat pump (HP) kW	Alim.	SEER	Ref	€ Excl. tax
Outdoor unit includes: •Internal R32 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, Panasonic inverter fan motor, R32 air exchanger with weather protection, R32-water plate heat exchanger •Hydraulic circuit with inverter circulating pump, 5-litre expansion vessel, safety valve, 1'' M diameter flow and return connections •Easy-access connection box •DHW sensor •Anti-frost heating cable in the condensate tray **Indoor unit includes:** •Internal hydraulic volume of 80 litres •RC7: Class VII controller with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet •14-litre expansion vessel •Circulating pump for circuit no.1 •Electric back-up heaters: 3, 6 or 9 kW (single-phase), 3x3 kW (three-phase) •Floor-standing indoor unit with rear hydraulic connections, especially suitable when replacing a floor-standing boiler •Hydraulic connection not supplied **Communication:** •PLC kit: 2 PLC adapters and 2 x 2.00 m RJ45 cables **Packing**:1 x Outdoor unit/1 x Indoor unit C	4 Single-phase C-RC7 Connect	4	Single-phase	185	920 240	6 120
	6 Single-phase C-RC7 Connect	6	Single-phase	178	920 241	6 420
	8 Single-phase C-RC7 Connect	8	Single-phase	177	920 242	6 820
	10 Single-phase C-RC7 Connect	10	Single-phase	187	920 243	7 420
	12 Single-phase C-RC7 Connect	12	Single-phase	184	920 244	8 220
	14 Single-phase C-RC7 Connect	14	Single-phase	180	920 245	9 120
	16 Single-phase C-RC7 Connect	16	Single-phase	179	920 246	9 420
	12 Three-phase C-RC7 Connect	12	Three-phase	184	920 247	8 820
	14 Three-phase C-RC7 Connect	14	Three-phase	178	920 248	9 720
	16 Three-phase C-RC7 Connect	16	Three-phase	180	920 249	10 220

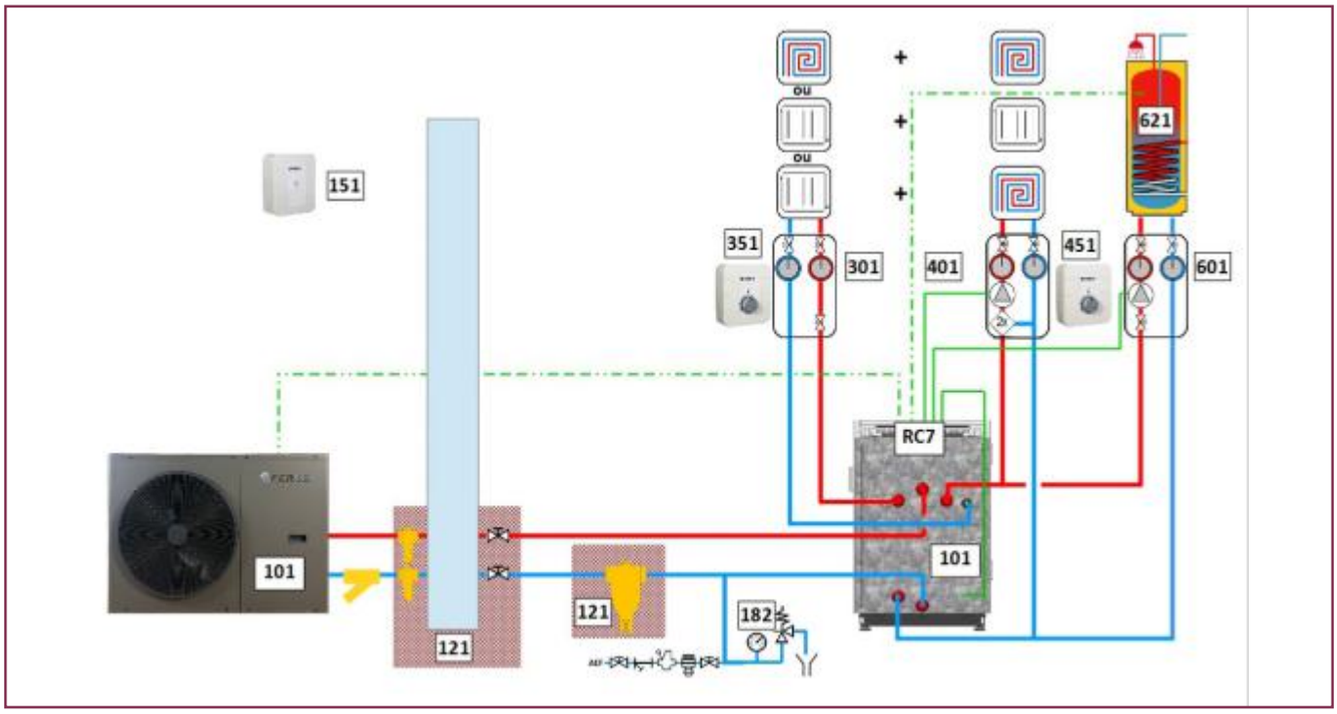
OptiPac MR32 -R: Mandatory Accessories 1 room sensor per circuit and 1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
C+ wired outdoor sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 600	60
C+ radio outdoor or room sensor	Supplied with batteries.	900 601	115
C+ wired room sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 602	60
C+ radio outdoor or room sensor	Supplied with batteries.	900 601	115
C+ wired room sensor with manual comfort adjustment	Connection via 2 wires, 0.75 mm² max. – not supplied. Manual comfort temperature setting.	900 604	80
C+ wired room sensor with manual comfort adjustment	Supplied with batteries. Manual comfort temperature setting.	900 605	138
Outdoor unit protection kit	Outdoor unit protection kit including 2 x 1" male anti-freeze safety valves, 2 shut-off valves, and a sludge separator with magnetic filter.	900 639	495

OptiPac MR32 -R: Specific Optional Equipment

Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulating pump Direct hydraulic module Hydraulic module with Duotherm/Pressure valve with manometer	900 445 900 420 900 493	279 421 541
Pressure valve with manometer	Pressure valve with manometer	900 404	23

OptiPac MR32 with floor-standing indoor unit RC7 – OPP24



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR32 4 Single-phase C-RC7 Connect	28	**920 240**	**6 120**
>	OptiPac MR32 6 Single-phase C-RC7 Connect		**920 241**	**6 420**
>	OptiPac MR32 8 Single-phase C-RC7 Connect		**920 242**	**6 820**
>	OptiPac MR32 10 Single-phase C-RC7 Connect		**920 243**	**7 420**
>	OptiPac MR32 12 Single-phase C-RC7 Connect		**920 244**	**8 220**
>	OptiPac MR32 14 Single-phase C-RC7 Connect		**920 245**	**9 120**
>	OptiPac MR32 16 Single-phase C-RC7 Connect		**920 246**	**9 420**
>	OptiPac MR32 12 Three-phase C-RC7 Connect		**920 247**	**8 820**
>	OptiPac MR32 14 Three-phase C-RC7 Connect		**920 248**	**9 720**
>	OptiPac MR32 16 Three-phase C-RC7 Connect		**920 249**	**10 220**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	28	**900 639**	**495**
151	**Mandatory choice of outdoor sensor type:**			
>	C+ Outdoor Sensor – Wired (C+ – F)	28	**900 600**	**60**
>	C+ Outdoor/Room Sensor – Radio (C+ – R)		**900 601**	**115**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit no.1 – Direct hydraulic module MHS without circulating pump (factory-fitted)**			
>	MHS	210	**900 445**	**279**
351	**Mandatory choice of room sensor for circuit no.1**			
>	C+ Room Sensor - Wired	28	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If Heating circuit no.2 – selection of hydraulic module**			
>	MH2X for two circuits with different T°	210	**900 493**	**541**
>	MHD		**900 420**	**421**

N°	Designation	Page	Ref	€ Excl. tax
451	**Mandatory choice of room sensor type for circuit no.2**			
>	C+ Room Sensor - Wired	28	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**– DHW hydraulic module with circulating pump and DHW sensor – Or DHW temperature sensor only, if an existing DHW charge pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	Temperature Sensor		**992 041**	**12**
621	**Selection of DHW cylinder according to required capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

Medium-temperature Air/Water Heat Pumps – Connect version with floor-standing indoor unit – heating + DHW

OptiPac MR32 B150-RC7

Heating

Cooling

DHW

kW

Heat pump output: 4 to 16 kW
Backup heater: 3 kW or 3×3 kW

COP up to 5,01

31 dB

Temp. up to 65°C

ENERGY A+++

R32

Description	Designation OptiPac MR32	Heat Pump kW	Heat Pump Power supply	SEER	Ref	€ Excl. tax
Outdoorunitincludes: ●Internal R32 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, inverter fan motor, R32 air exchanger with weather protection, R32-water plate heat exchanger ●Hydraulic circuit with inverter circulating pump, 5-litre expansion vessel, safety valve, 1'' M diameter flow and return connections ●Easy-access connection box ●DHW sensor ●Anti-frost heating cable in the condensate tray **Indoor unit includes:** ●Internal hydraulic volume of 80 litres ●RC7: Class VII regulation with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet ●14-litre expansion vessel ●Circulating pump for circuit no.1 ●150-litre stainless steel domestic hot water tank ●DHW charge pump ●Electric back-up heaters: 3, 6 or 9 kW (single-phase), or 3x3 kW (three-phase) ●Floor-standing indoor unit with rear-facing hydraulic connections, ideal for replacing a floor-standing boiler ●Hydraulic connection not supplied **Communication:** ●PLC kit: 2 PLC adapters and 2 x 2.00 m RJ45 cables **Packing:** ●1 x Outdoor unit/1 x Indoor unit B150	**4 Single-phase B150-RC7 Connect**	**4**	**Single-phase**	**185**	**920 260**	**7 780**
	6 Single-phase B150-RC7 Connect	**6**	**Single-phase**	**178**	**920 261**	**8 080**
	8 Single-phase B150-RC7 Connect	**8**	**Single-phase**	**177**	**920 262**	**8 480**
	10 Single-phase B150-RC7 Connect	**10**	**Single-phase**	**187**	**920 263**	**9 080**
	12 Single-phase B150-RC7 Connect	**12**	**Single-phase**	**184**	**920 264**	**9 880**
	14 Single-phase B150-RC7 Connect	**14**	**Single-phase**	**180**	**920 265**	**10 780**
	16 Single-phase B150-RC7 Connect	**16**	**Single-phase**	**179**	**920 266**	**11 080**
	12 Three-phase B150-RC7 Connect	**12**	**Three-phase**	**184**	**920 267**	**10 480**
	14 Three-phase B150-RC7 Connect	**14**	**Three-phase**	**178**	**920 268**	**11 380**
	16 Three-phase B150-RC7 Connect	**16**	**Three-phase**	**180**	**920 269**	**11 880**

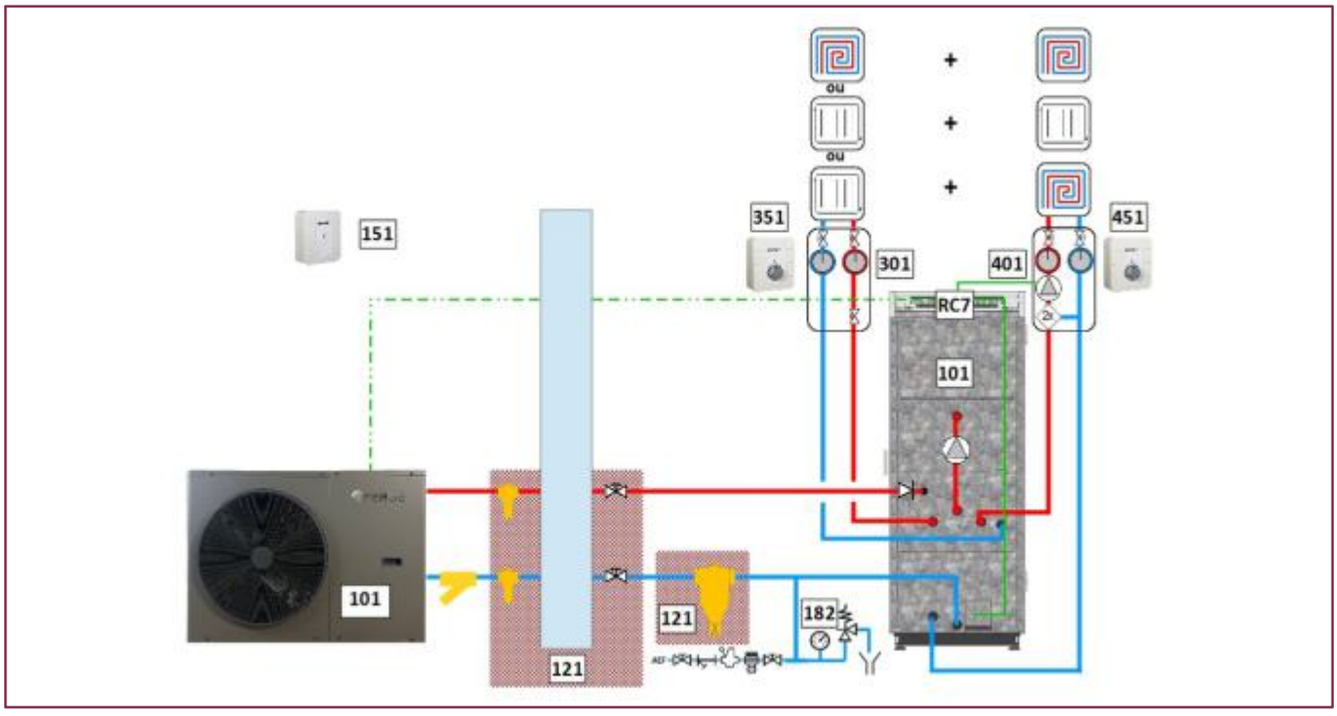
OptiPac MR32 -R: Mandatory Accessories 1 room sensor per heating circuit and 1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
C+ Wired Outdoor Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	**900 600**	**60**
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	**900 601**	**115**
C+ Wired Room Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	**900 602**	**60**
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	**900 601**	**115**
C+ Wired Room Sensor with Manual Comfort Adjustment	Connection via 2 wires, 0.75 mm² max. – not supplied. Manual comfort temperature setting.	**900 604**	**80**
C+ Radio Room Sensor with Manual Comfort Adjustment	Supplied with batteries. Manual comfort temperature setting.	**900 605**	**138**
Outdoor Unit Protection Kit	Protection kit for the outdoor unit including:2 x 1" male anti-freeze safety valves,2 x shut-off valves,1 sludge separator with magnetic filter.	**900 639**	**495**

OptiPac MR32 -R: Specific Optional Equipment

Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulating pump Direct hydraulic module Hydraulic module with Duotherm	**900 445** **900 420** **900 493**	**279** **421** **541**
Pressure valve with manometer	Pressure valve with manometer	**900 404**	**23**

OptiPac MR32 with floor-standing indoor unit RC7 + integrated DHW – OPP25



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR32 4 Single B150-RC7 Connect	30	**920 260**	**7 780**
>	OptiPac MR32 6 Single B150-RC7 Connect		**920 261**	**8 080**
>	OptiPac MR32 8 Single B150-RC7 Connect		**920 262**	**8 480**
>	OptiPac MR32 10 Single B150-RC7 Connect		**920 263**	**9 080**
>	OptiPac MR32 12 Single B150-RC7 Connect		**920 264**	**9 880**
>	OptiPac MR32 14 Single B150-RC7 Connect		**920 265**	**10 780**
>	OptiPac MR32 16 Single B150-RC7 Connect		**920 266**	**11 080**
>	OptiPac MR32 12 Three B150-RC7 Connect		**920 267**	**10 480**
>	OptiPac MR32 14 Three B150-RC7 Connect		**920 268**	**11 380**
>	OptiPac MR32 16 Three B150-RC7 Connect		**920 269**	**11 880**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	30	**900 639**	**495**
151	**Mandatory choice of outdoor sensor type**			
>	C+ Outdoor Sensor – Wired (C+ – F)	30	**900 600**	**60**
>	C+ Outdoor/Room Sensor – Radio (C+ – R)		**900 601**	**115**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit no.1 – Direct hydraulic module MHS without circulating pump (factory-fitted)**			
>	MHS	210	**900 445**	**279**
351	**Mandatory choice of room sensor type for circuit no.1**			
>	C+ Room Sensor - Wired	30	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If Heating circuit no.2 – selection of hydraulic module**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
451	**Mandatory choice of room sensor type for circuit no.2**			
>	C+ Room Sensor - Wired	30	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**

Medium-temperature Air/Water Heat Pumps – Connect version with wall-mounted indoor unit – heating only

OptiPac MR32 M-RC7

Heating | Cooling | DHW

kW — Heat pump output: 4 to 16 kW
Backup heater: 3 kW or 3×3 kW

COP up to 5,01 | 31 dB | Temp. up to 65°C

ENERGY A+++ | R32

Description	Designation: OptiPac MR32	Heat pump (HP) kW	Power supply	SEER	Ref	€ Excl. tax
Outdoor unit includes: ● Internal R32 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, inverter fan motor, R32 air exchanger with weather protection, R32-water plate heat exchanger ● Hydraulic circuit with DC inverter circulating pump, 5-litre expansion vessel, safety valve, 1'' M diameter flow and return connections ● Easy-access connection box ● DHW sensor Anti-frost heating cable in the condensate tray **Indoor unit includes:** ● Internal hydraulic volume of 45 litres ● RC7: Class VII controller with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet ● 14-litre expansion vessel ● Shut-off valves ● Electric back-up heaters: 3, 6 or 9 kW (single-phase) or 3x3 kW (three-phase) ● Wall-mounted indoor unit with hydraulic connections to the installation either from below or from above and below using a spacing frame – ideal for replacing a wall-hung boiler Hydraulic connection not supplied **Communication:** ● PLC kit: 2 PLC adapters and 2 x 2.00 m RJ45 cables **Packing:** ● 1 x Outdoor unit ● 1 x Indoor unit M	4 Single M-RC7 Connect	4	Single-phase	185	920 230	5 860
	6 Single M-RC7 Connect	6	Single-phase	178	920 231	6 160
	8 Single M-RC7 Connect	8	Single-phase	177	920 232	6 560
	10 Single M-RC7 Connect	10	Single-phase	187	920 233	7 160
	12 Single M-RC7 Connect	12	Single-phase	184	920 234	7 960
	14 Single M-RC7 Connect	14	Single-phase	180	920 235	8 860
	16 Single M-RC7 Connect	16	Single-phase	179	920 236	9 160
	12 Three M-RC7 Connect	12	Three-phase	184	920 237	8 560
	14 Three M-RC7 Connect	14	Three-phase	178	920 238	9 460
	16 Three M-RC7 Connect	16	Three-phase	180	920 239	9 960

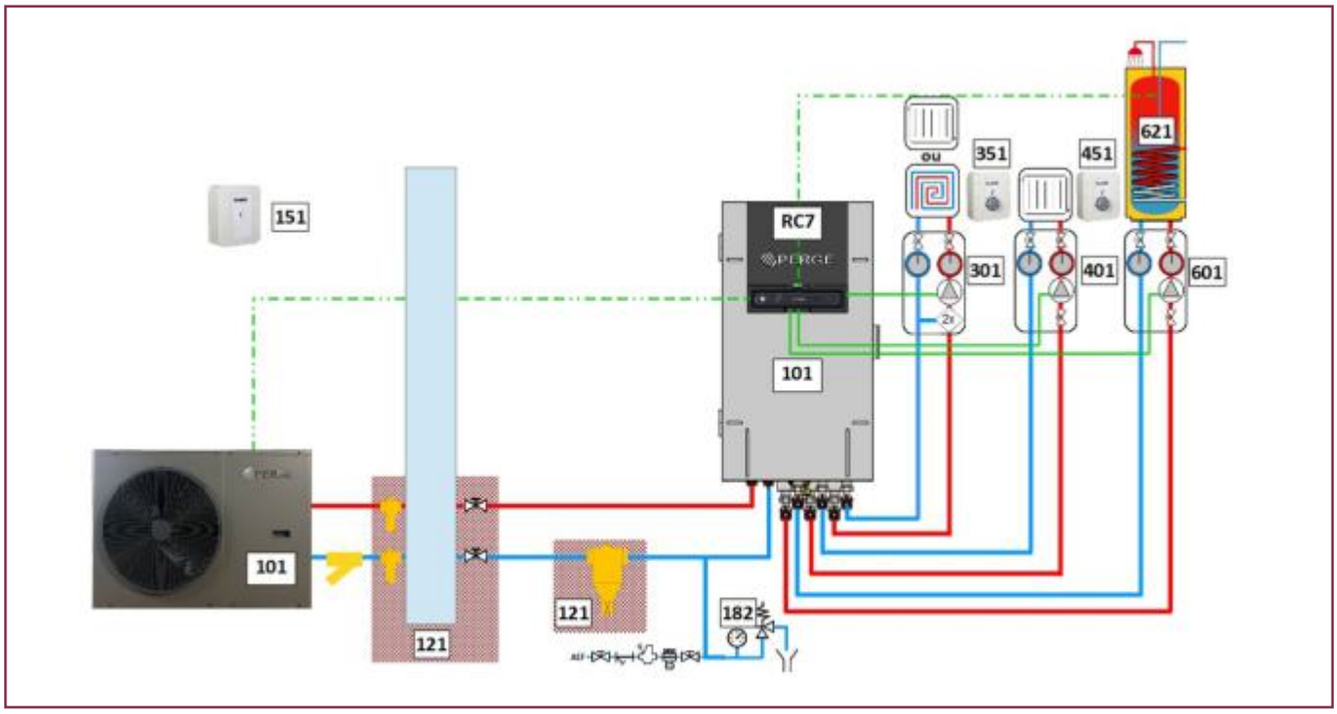
OptiPac MR32 -R: Mandatory Accessories 1 room sensor per heating circuit and 1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
C+ Wired Outdoor Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 600	60
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	900 601	115
C+ Wired Room Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 602	60
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	900 601	115
C+ Wired Room Sensor with Manual Comfort Adjustment	Connection via 2 wires, 0.75 mm² max. – not supplied. Manual comfort temperature setting.	900 604	80
C+ Radio Room Sensor with Manual Comfort Adjustment	Supplied with batteries. Manual comfort temperature setting.	900 605	138
Outdoor Unit Protection Kit	Outdoor unit protection kit including:2 x 1" male anti-freeze safety valves,2 x shut-off valves,1 sludge separator with magnetic filter.	900 639	495

OptiPac MR32 -R: Specific Optional Equipment

Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulating pump Direct hydraulic module Hydraulic module with Duotherm	900 445 900 420 900 493	279 421 541
Pressure valve with manometer	Pressure valve with manometer	900 404	23
PE	DHW cylinder (see page 209)		
Spacer frame M	Support frame for BDME 45 buffer tank or M-RC7 wall-mounted indoor unit, allowing an 8 cm spacing from the wall for heating pipework clearance.	900 705	45

OptiPac MR32 with wall-mounted indoor unit RC7 – OPP26



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR32 4 Single M-RC7 Connect	32	**920 230**	**5 860**
>	OptiPac MR32 6 Single M-RC7 Connect		**920 231**	**6 160**
>	OptiPac MR32 8 Single M-RC7 Connect		**920 232**	**6 560**
>	OptiPac MR32 10 Single M-RC7 Connect		**920 233**	**7 160**
>	OptiPac MR32 12 Single M-RC7 Connect		**920 234**	**7 960**
>	OptiPac MR32 14 Single M-RC7 Connect		**920 235**	**8 860**
>	OptiPac MR32 16 Single M-RC7 Connect		**920 236**	**9 160**
>	OptiPac MR32 12 Three M-RC7 Connect		**920 237**	**8 560**
>	OptiPac MR32 14 Three M-RC7 Connect		**920 238**	**9 460**
>	OptiPac MR32 16 Three M-RC7 Connect		**920 239**	**9 960**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	32	**900 639**	**495**
151	**Mandatory choice of outdoor sensor type**			
>	C+ Outdoor Sensor – Wired (C+ – F)	32	**900 600**	**60**
>	C+ Outdoor/Room Sensor – Radio (C+ – R)		**900 601**	**115**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit no.1 – Selection of hydraulic module**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
351	**Mandatory choice of room sensor type for circuit no.1**			
>	C+ Room Sensor - Wired	32	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If Heating circuit no.2 – selection of hydraulic module**			
>	MHD	210	**900 420**	**421**

N°	Designation	Page	Ref	€ Excl. tax
451	**Mandatory choice of room sensor type for circuit no.2**			
>	C+ Room Sensor - Wired	32	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**– DHW hydraulic module with circulating pump and DHW sensor – Or DHW temperature sensor only, if an existing DHW charge pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	Temperature sensor		**992 041**	**12**
621	**Selection of the DHW cylinder according to required capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

Medium-temperature Air/Water Heat Pumps – Connect version with wall-mounted indoor unit – heating + DHW

OptiPac MR32 B180-RC7

Heating | Cooling | DHW

kW

Heat pump output: 4 to 16 kW
Backup heater: 3 kW or 3×3 kW

COP up to 5,01 | 31 dB | Temp. up to 65°C

ENERGY A+++ | R32

Description	Designation OptiPac MR32	Heat Pump kW	Power supply.	SEER	Ref	€ Excl. tax
Outdoor unit includes: ● Internal R32 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, inverter fan motor, R32 air exchanger with weather protection, R32-water plate heat exchanger ● Hydraulic circuit with DC inverter circulating pump, 5-litre expansion vessel, safety valve, 1'' M diameter flow and return connections ● Easy-access connection box ● DHW sensor ● Anti-frost heating cable in the condensate tray **Indoor unit includes:** ● Internal hydraulic volume of 45 litres ● RC7: Class VII regulation with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet ● 14-litre expansion vessel ● 180-litre stainless steel domestic hot water tank ● DHW charge pump ● Electric back-up heaters: 3, 6 or 9 kW (single-phase), or 3x3 kW (three-phase) ● Optional 3 kW electric heater inside the DHW tank ● Wall-mounted indoor unit with hydraulic connections upwards and downwards – particularly suitable for replacing a wall-hung boiler ● Shut-off valves ● Hydraulic connection not supplied **Communication:** ● PLC kit: 2 PLC adapters and 2 x 2.00 m RJ45 cables **Packing:** ● 1 x Outdoor unit/ 1 x Indoor unit B180	4 Single B180-RC7 Connect	4	Single-phase	185	920 250	8 020
	6 Single B180-RC7 Connect	6	Single-phase	178	920 251	8 320
	8 Single B180-RC7 Connect	8	Single-phase	177	920 252	8 720
	10 Single B180-RC7 Connect	10	Single-phase	187	920 253	9 320
	12 Single B180-RC7 Connect	12	Single-phase	184	920 254	10 120
	14 Single B180-RC7 Connect	14	Single-phase	180	920 255	11 020
	16 Single B180-RC7 Connect	16	Single-phase	179	920 256	11 320
	12 Three B180-RC7 Connect	12	Three-phase	184	920 257	10 720
	14 Three B180-RC7 Connect	14	Three-phase	178	920 258	11 620
	16 Three B180-RC7 Connect	16	Three-phase	180	920 259	12 120

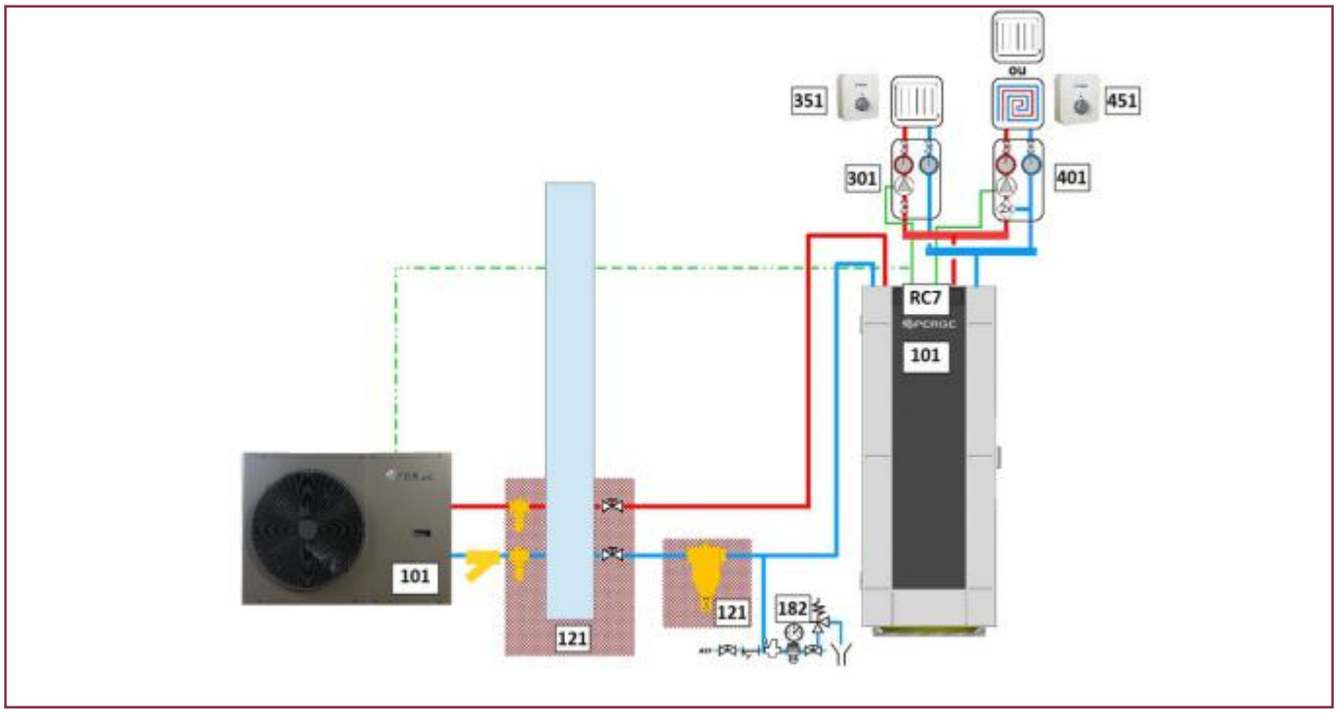
OptiPac MR32 -R: Mandatory Accessories: 1 room sensor per heating circuit,1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
C+ Wired Outdoor Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 600	60
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	900 601	115
C+ Wired Room Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 602	60
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	900 601	115
C+ Wired Room Sensor with Manual Comfort Adjustment	Connection via 2 wires, 0.75 mm² max. – not supplied. Manual comfort temperature setting.	900 604	80
C+ Radio Room Sensor with Manual Comfort Adjustment	Supplied with batteries. Manual comfort temperature setting.	900 605	138
Outdoor Unit Protection Kit	Outdoor unit protection kit including:2 x 1" male anti-freeze safety valves,2 x shut-off valves,1 sludge separator with magnetic filter.	900 639	495

OptiPac MR32 -R: Specific Optional Equipment

Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulating pump Direct hydraulic module Hydraulic module with Duotherm	900 445 900 420 900 493	279 421 541
Pressure valve with manometer	Pressure valve with manometer	900 404	23
Spacer Frame B180	Support frame for B180-RC7 indoor unit, allowing an 8 cm spacing from the wall for heating pipework clearance.	900 706	90

OptiPac MR32 with wall-mounted indoor unit RC7 + integrated DHW – OPP27

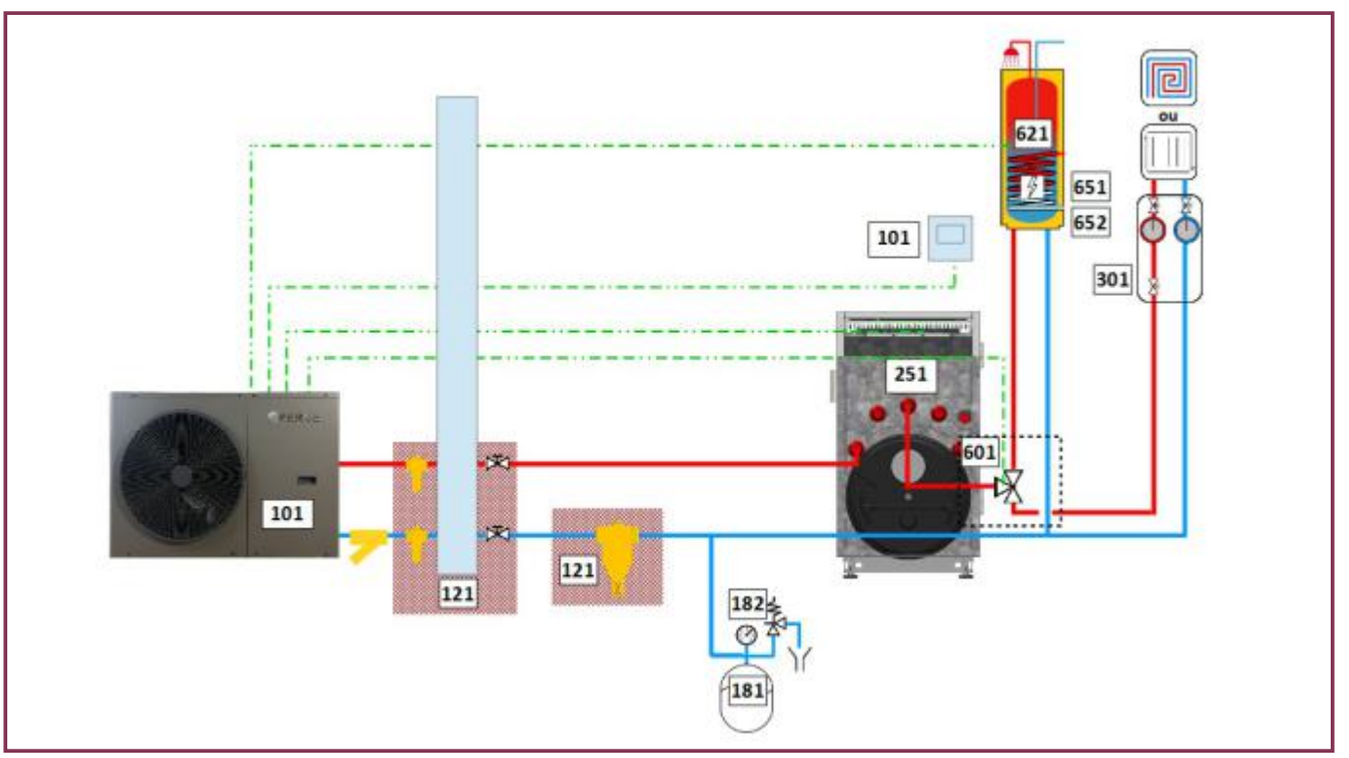


N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR32 4 Single B180-RC7 Connect	34	**920 250**	**8 020**
>	OptiPac MR32 6 Single B180-RC7 Connect		**920 251**	**8 320**
>	OptiPac MR32 8 Single B180-RC7 Connect		**920 252**	**8 720**
>	OptiPac MR32 10 Single B180-RC7 Connect		**920 253**	**9 320**
>	OptiPac MR32 12 Single B180-RC7 Connect		**920 254**	**10 120**
>	OptiPac MR32 14 Single B180-RC7 Connect		**920 255**	**11 020**
>	OptiPac MR32 16 Single B180-RC7 Connect		**920 256**	**11 320**
>	OptiPac MR32 12 Three B180-RC7 Connect		**920 257**	**10 720**
>	OptiPac MR32 14 Three B180-RC7 Connect		**920 258**	**11 620**
>	OptiPac MR32 16 Three B180-RC7 Connect		**920 259**	**12 120**
121	**Mandatory choice of outdoor sensor type**			
>	Outdoor unit protection kit	34	**900 639**	**495**
151	**Mandatory selection of the outdoor sensor type**			
>	C+ Outdoor Sensor – Wired (C+ – F)	34	**900 600**	**60**
>	C+ Outdoor/Room Sensor – Radio (C+ – R)		**900 601**	**115**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit no.1 – Selection of hydraulic module**			
>	MHD	210	**900 420**	**421**
351	**Mandatory choice of room sensor type for circuit no.1**			
>	C+ Room Sensor – Wired (C+ – F)	34	**900 602**	**60**
>	C+ Outdoor/Room Sensor – Radio (C+ – R)		**900 601**	**115**
>	Wired/Radio Room Sensor with manual		**900 604**	**80**
>	comfort temperature setting		**900 605**	**138**
401	**If heating circuit No. 2, select the hydraulic module**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
451	**Mandatory choice of room sensor type for circuit no.2**			
>	C+ Room Sensor - Wired	34	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**

Cost Estimation Support – OptiPac MR32 Couplings – Table of Contents

Possible Couplings

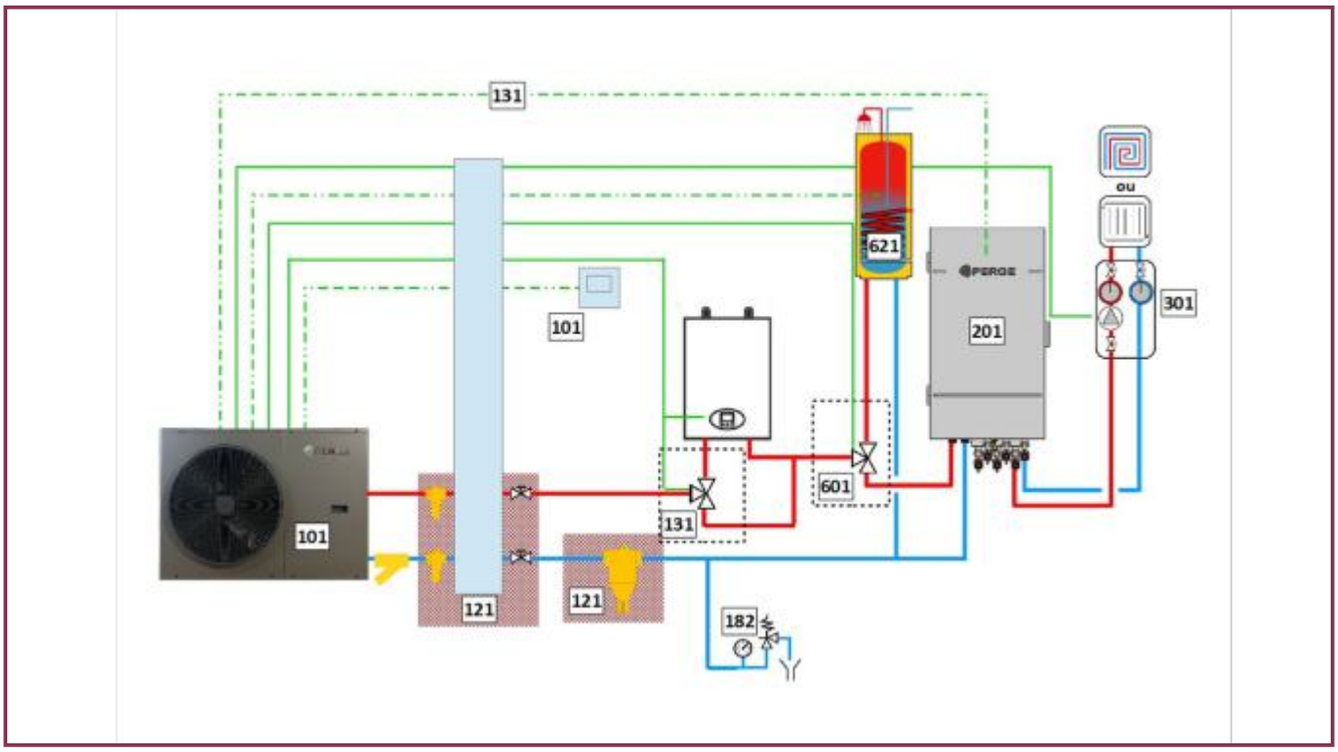
OptiPac MR32 coupled with a bio-oil boiler Optitherm – OPP51



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR32 4 Single-phase -R	22	**920 020**	**3 690**
>	OptiPac MR32 6 Single-phase -R		**920 021**	**3 990**
>	OptiPac MR32 8 Single-phase -R		**920 022**	**4 390**
>	OptiPac MR32 10 Single-phase -R		**920 023**	**4 990**
>	OptiPac MR32 12 Single-phase -R		**920 024**	**5 790**
>	OptiPac MR32 14 Single-phase -R		**920 025**	**6 690**
>	OptiPac MR32 16 Single-phase -R		**920 026**	**6 990**
>	OptiPac MR32 12 Three-phase -R		**920 027**	**6 390**
>	OptiPac MR32 14 Three-phase -R		**920 028**	**7 290**
>	OptiPac MR32 16 Three-phase -R		**920 029**	**7 790**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	22	**900 639**	**495**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	213	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	213	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
251	**Selection of boiler model according to required output**			
>	Optitherm 24 C-F30	180	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
301	**Heating circuit no.1 – Direct hydraulic module MHS without circulating pump (circulator integrated in the heat pump)**			
>	MHS	212	**900 445**	**279**
601	**If DHW (Domestic Hot Water) is required, zone valve is mandatory**			
>	Zone valve	22	**990 839**	**164**
621	**Selection of DHW cylinder according to required capacity**			
>	PE 200/1S Heat pump 200 l	211	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

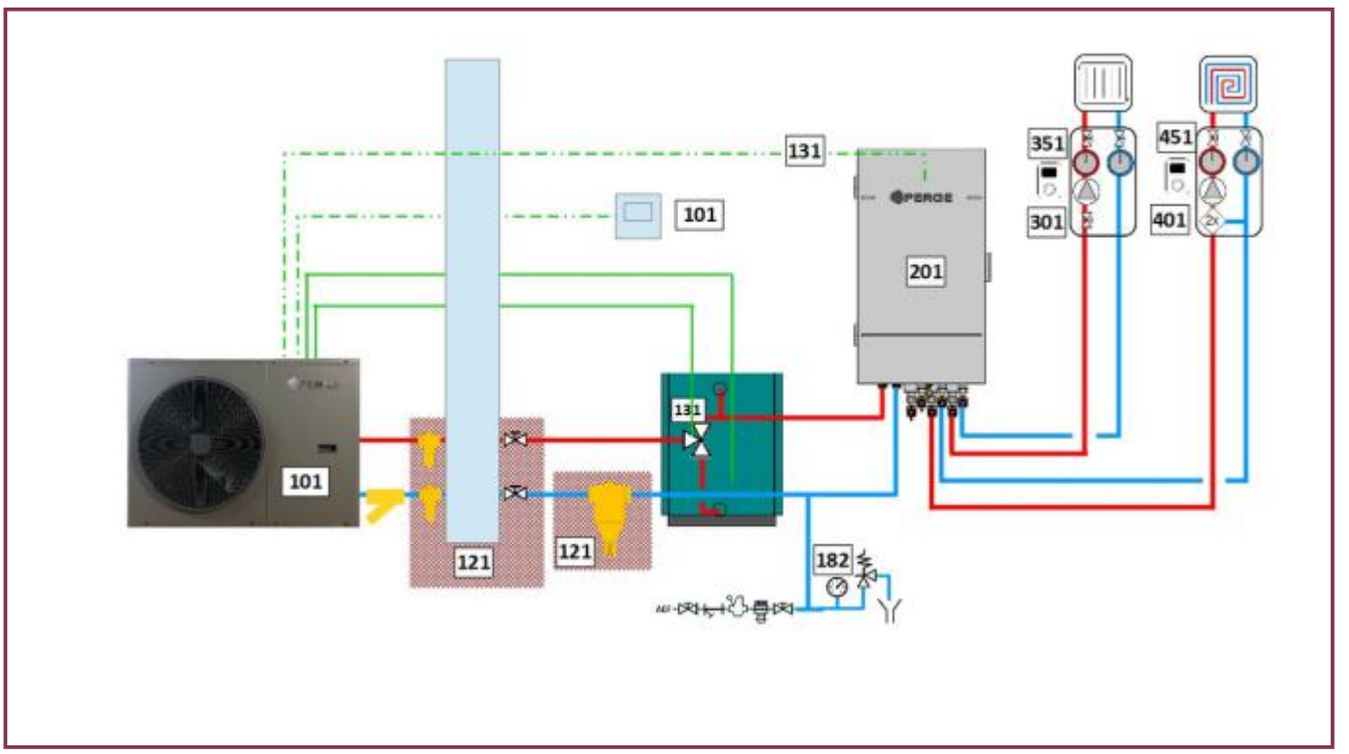
OptiPac MR32 coupled with a wall-mounted gas boiler – OPP56



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR32 4 Single-phase -R	20	**920 020**	**3 690**
>	OptiPac MR32 6 Single-phase -R		**920 021**	**3 990**
>	OptiPac MR32 8 Single-phase -R		**920 022**	**4 390**
>	OptiPac MR32 10 Single-phase -R		**920 023**	**4 990**
>	OptiPac MR32 12 Single-phase -R		**920 024**	**5 790**
>	OptiPac MR32 14 Single-phase -R		**920 025**	**6 690**
>	OptiPac MR32 16 Single-phase -R		**920 026**	**6 990**
>	OptiPac MR32 12 Three-phase -R		**920 027**	**6 390**
>	OptiPac MR32 14 Three-phase -R		**920 028**	**7 290**
>	OptiPac MR32 16 Three-phase -R		**920 029**	**7 790**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	20	**900 639**	**495**
131	**AHS accessory**			
>	AHS accessory	20	**900 674**	**195**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
201	**Selection of hydraulic separator tank**			
>	BDME 45	20	**900 704**	**890**
301	**Heating circuit no.1 – Direct hydraulic module MHD**			
>	MHD	210	**900 420**	**421**

N°	Designation	Page	Ref	€ Excl. tax
601	**If DHW is required, zone valve is mandatory**			
>	Zone valve	20	**990 839**	**164**
621	**Selection of DHW cylinder according to required capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

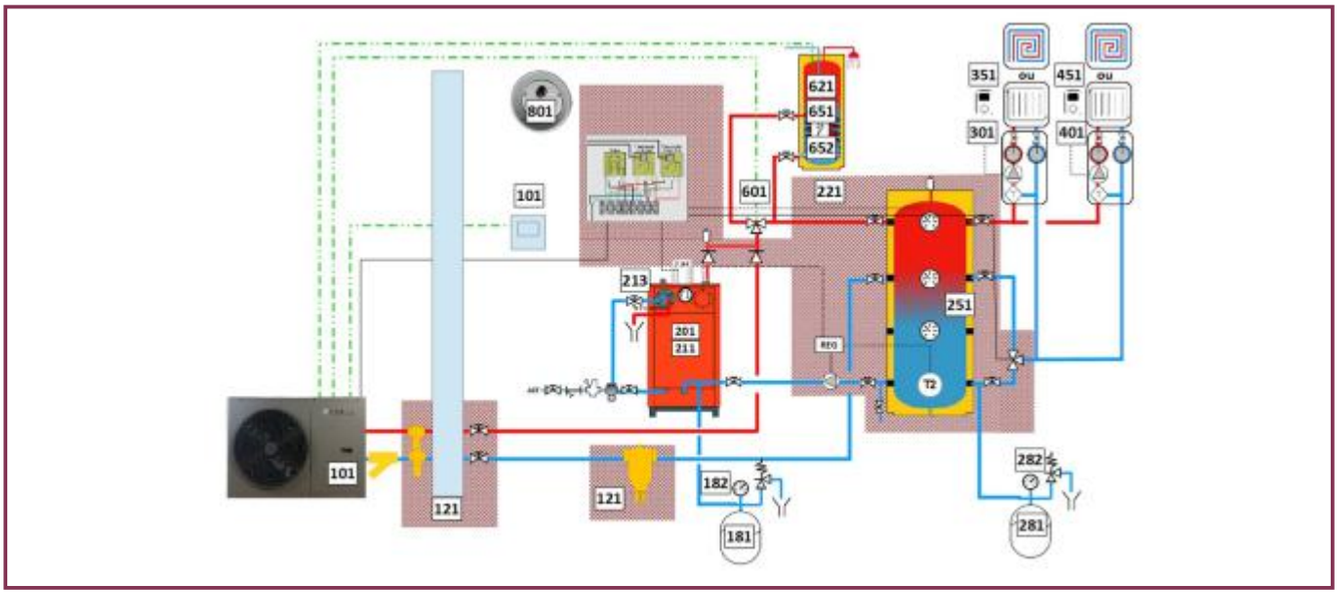
OptiPac MR32 coupled with an existing oil boiler – OPP55



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR32 4 Single-phase -R	20	**920 020**	**3 690**
>	OptiPac MR32 6 Single-phase -R		**920 021**	**3 990**
>	OptiPac MR32 8 Single-phase -R		**920 022**	**4 390**
>	OptiPac MR32 10 Single-phase -R		**920 023**	**4 990**
>	OptiPac MR32 12 Single-phase -R		**920 024**	**5 790**
>	OptiPac MR32 14 Single-phase -R		**920 025**	**6 690**
>	OptiPac MR32 16 Single-phase -R		**920 026**	**6 990**
>	OptiPac MR32 12 Three-phase -R		**920 027**	**6 390**
>	OptiPac MR32 14 Three-phase -R		**920 028**	**7 290**
>	OptiPac MR32 16 Three-phase -R		**920 029**	**7 790**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	20	**900 639**	**495**
131	**AHS accessory**			
>	AHS accessory	20	**900 674**	**195**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
201	**Selection of hydraulic separator tank**			
>	BDME45	20	**900 704**	**890**
301	**Heating circuit n°1 – Direct hydraulic module MHS without circulating pump (factory-fitted)**			
>	MHD	210	**900 420**	**421**
351	**Mandatory choice of room thermostat type for circuit n°1**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**

N°	Designation	Page	Ref	€ Excl. tax
401	**If Heating circuit no.2 – Selection of hydraulic module**			
>	MH2X – For two circuits with	210	**900 493**	**541**
>	different temperatures/ MHD		**900 420**	**421**
451	**Mandatory choice of room thermostat type for circuit n°2**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**

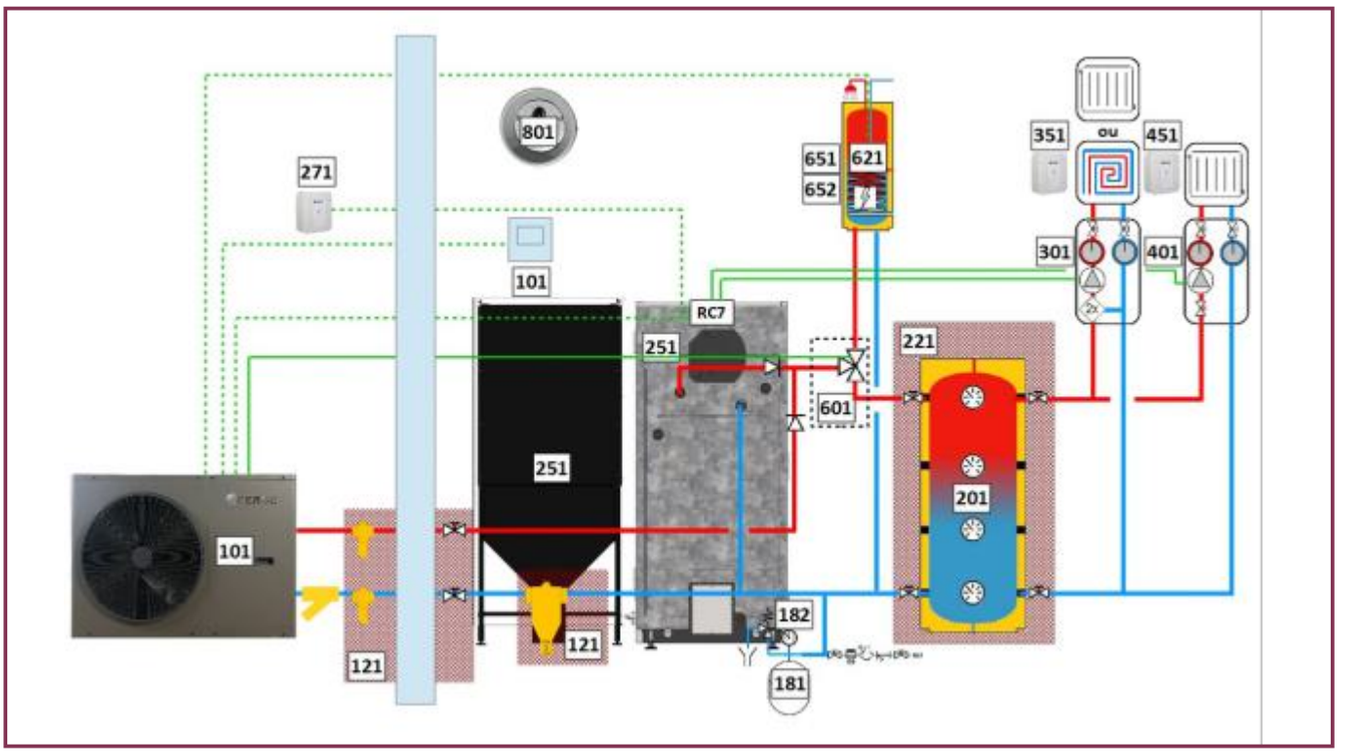
OptiPac MR32 coupled with a wood boiler MC Classique – OPP41



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR32 4 Single-phase -R	20	920 020	3 690
>	OptiPac MR32 6 Single-phase -R		920 021	3 990
>	OptiPac MR32 8 Single-phase -R		920 022	4 390
>	OptiPac MR32 10 Single-phase -R		920 023	4 990
>	OptiPac MR32 12 Single-phase -R		920 024	5 790
>	OptiPac MR32 14 Single-phase -R		920 025	6 690
>	OptiPac MR32 16 Single-phase -R		920 026	6 990
>	OptiPac MR32 12 Three-phase -R		920 027	6 390
>	OptiPac MR32 14 Three-phase -R		920 028	7 290
>	OptiPac MR32 16 Three-phase -R		920 029	7 790
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	20	900 639	495
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	900 370	55
>	24-litre vessel		900 365	65
>	35-litre vessel		900 366	109
>	50-litre vessel		900 367	129
182	**Selection of safety device**			
>	Pressure valve with manometer	211	900 404	23
>	PSRV bracket (for vessels up to 35 litres)		900 564	97
201	**Selection of boiler body according to required output**			
>	MC 5.20 Classique	138	715 000	4 480
>	MC 5.30 Classique		715 011	4 880
>	MC 15.40 Classique		902 032	5 790
211	**Selection of jacket according to boiler body**			
>	MC 5.20 Classic Casing	138	902 028	396
>	MC 5.30 Classic Casing		902 031	491
>	MC 15.40 Classic Casing		902 033	407
213	**Thermal safety valve**			
>	SST (If using MC 15.40, install 2 SST units)	132	900 285	141
221	**Accessories for connection to buffer tank**			
>	MBP	208	900 661	1 543
251	**Selection of buffer tank**			
>	BT 500	206	900 292	1 327
>	BT 800		900 293	1 682
>	BT 1000		900 294	1 806
>	BT 1500		900 296	2 886
281	**Selection of expansion vessel according to capacity**			
>	35-litre vessel	211	900 366	109
>	50-litre vessel		900 367	129
>	80-litre vessel		900 625	219
>	100-litre vessel		900 368	247
>	200-litre vessel		900 369	431

N°	Designation	Page	Ref	€ Excl. tax
282	**Pressure valve with manometer mandatory on the installation**			
>	Pressure valve with manometer	211	900 404	23
>	PSRV bracket (for 35-litre expansion vessel only)		900 564	97
301	**Heating circuit n°1 – Hydraulic modules**			
>	MHT 45/70	210	900 423	626
>	MHT 20/45		900 476	626
>	MHE		900 611	985
351	**Heating circuit n°1 – Wired or wireless room thermostat**			
>	TH4-F Wired (for use with MHT)	212	900 470	67
>	TH4-R Wireless (for use with MHT)		900 471	175
401	**Heating circuit no.2 – Hydraulic modules**			
>	MHT 45/70	210	900 423	626
>	MHT 20/45		900 476	626
>	MHE		900 611	985
451	**Heating circuit no.2 – Wired or wireless room thermostat**			
>	TH4-F Wired (for use with MHT)	212	900 470	67
>	TH4-R Wireless (for use with MHT)		900 471	175
601	**Zone valve – mandatory**			
>	Zone valve	20	990 839	164
621	**Selection of DHW cylinder according to required capacity**			
>	PE 150/1S - Grey	209	900 479	1 435
>	PE 200/1S - Grey		900 475	1 576
>	PE 300/1S - Grey		900 606	1 762
>	PE 500/1S - Grey		900 624	2 236
651	**If mixed electric DHW tank selection of immersion heater according to power rating and electrical supply type**			
>	TR30 - 3,0 kW Single-phase	209	900 301	419
>	TR45 - 4,5 kW Single-phase		900 446	427
>	TR60 - 6,0 kW Single-phase		900 447	773
>	TR30 - 3,0 kW Three-phase		900 555	490
>	TR45 - 4,5 kW Three-phase		900 448	543
>	TR60 - 6,0 kW Three-phase		900 449	559
652	**Flange required if TR-type immersion heater**			
>	TR/PE Flange	209	900 450	65
801	**Draft stabilizer**			
>	MT180 – diameter 180 mm	212	900 467	247

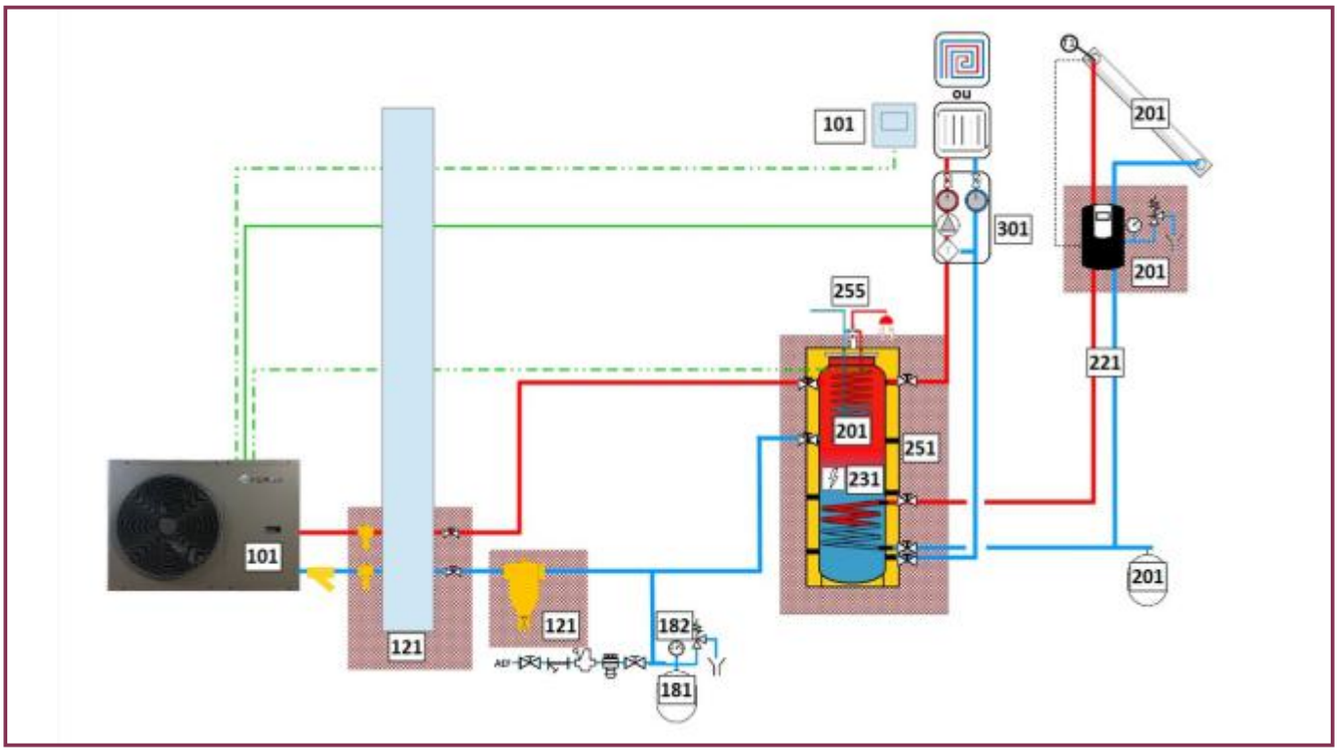
OptiPac MR32 coupled with a pellet boiler OptiPellet – OPP44



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR32 4 Single-phase -R	20	**920 020**	**3 690**
>	OptiPac MR32 6 Single-phase -R		**920 021**	**3 990**
>	OptiPac MR32 8 Single-phase -R		**920 022**	**4 390**
>	OptiPac MR32 10 Single-phase -R		**920 023**	**4 990**
>	OptiPac MR32 12 Single-phase -R		**920 024**	**5 790**
>	OptiPac MR32 14 Single-phase -R		**920 025**	**6 690**
>	OptiPac MR32 16 Single-phase -R		**920 026**	**6 990**
>	OptiPac MR32 12 Three-phase -R		**920 027**	**6 390**
>	OptiPac MR32 14 Three-phase -R		**920 028**	**7 290**
>	OptiPac MR32 16 Three-phase -R		**920 029**	**7 790**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	20	**900 639**	**495**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Selection of hydraulic mixing tank**			
>	BM 100 Mixing Tank	206	**900 620**	**704**
>	BM 200 Mixing Tank		**900 622**	**882**
>	BM 300 Mixing Tank		**900 623**	**1 111**
221	**Accessories for connection to mixing tank**			
>	BM-3P Accessory (for BM100 and BM200)	206	**900 671**	**297**
>	BM-4P Accessory (for BM300)		**900 672**	**331**
251	**Selection of boiler model according to required output**			
>	OptiPellet 12kW C-DRC7 + Mini silo	107	**902 850**	**9 980**
>	OptiPellet 17kW C-DRC7 + Mini silo		**902 851**	**10 180**
>	OptiPellet 23kW C-DRC7 + Mini silo		**902 852**	**10 680**
>	OptiPellet 33kW C-DRC7 + Mini silo		**902 853**	**11 180**
>	OptiPellet 45kW C-DRC7 + Mini silo		**902 854**	**12 180**
271	**Mandatory choice of outdoor sensor type**			
>	C+ Outdoor Sensor – Wired	20	**900 600**	**60**
>	C+ Outdoor Sensor – Radio		**900 601**	**115**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit n°1 – Hydraulic module**			
>	MH2X (for two circuits with different T°)	210	**900 420**	**421**
>	MHD		**900 493**	**541**
351	**Mandatory choice of room sensor type for circuit n°1**			
>	C+ Room Sensor - Wired	20	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**Heating circuit n°2 – Hydraulic module**			
>	MHD	210	**900 420**	**421**
451	**Mandatory choice of room sensor type for circuit n°2**			
>	C+ Room Sensor - Wired	20	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW is required, zone valve is mandatory**			
>	Zone valve	20	**990 839**	**164**
621	**Selection of DHW cylinder according to required capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**
651	**If electric mixed DHW tank selection of immersion heater according to power and electrical supply type**			
>	TR30 - 3,0 kW Single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW Single-phase		**900 446**	**427**
>	TR60 - 6,0 kW Single-phase		**900 447**	**773**
>	TR30 - 3,0 kW Three-phase		**900 555**	**490**
>	TR45 - 4,5 kW Three-phase		**900 448**	**543**
>	TR60 - 6,0 kW Three-phase		**900 449**	**559**
652	**Flange required if TR-type immersion heater**			
>	TR/PE Flange	209	**900 450**	**65**
801	**Draft stabilizer**			
>	MT150 – diameter 150 mm	212	**900 466**	**167**
>	MT180 – diameter 180 mm		**900 467**	**247**

OptiPac MR32 coupled with CombiSolar – OPP52



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR32 4 Single-phase -R	20	**920 020**	**3 690**
>	OptiPac MR32 6 Single-phase -R		**920 021**	**3 990**
>	OptiPac MR32 8 Single-phase -R		**920 022**	**4 390**
>	OptiPac MR32 10 Single-phase -R		**920 023**	**4 990**
>	OptiPac MR32 12 Single-phase -R		**920 024**	**5 790**
>	OptiPac MR32 14 Single-phase -R		**920 025**	**6 690**
>	OptiPac MR32 16 Single-phase -R		**920 026**	**6 990**
>	OptiPac MR32 12 Three-phase -R		**920 027**	**6 390**
>	OptiPac MR32 14 Three-phase -R		**920 028**	**7 290**
>	OptiPac MR32 16 Three-phase -R		**920 029**	**7 790**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	20	**900 639**	**495**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Selection of CombiSolar model**			
	Roof-parallel – heating only			
>	CombiSolar 500 C-T	196	**904 019**	**5 990**
>	CombiSolar 800 C-T		**904 017**	**7 594**
>	CombiSolar 1000 C-T		**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On frame – heating only			
>	CombiSolar 500 C-S	196	**904 020**	**5 990**
>	CombiSolar 800 C-S		**904 018**	**7 594**
>	CombiSolar 1000 C-S		**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**

N°	Designation	Page	Ref	€ Excl. tax
201	**Selection of CombiSolar model**			
	Roof-parallel – heating and DHW			
>	CombiSolar 500 B-T	196	**904 029**	**6 990**
>	CombiSolar 800 B-T		**904 027**	**8 944**
>	CombiSolar 1000 B-T		**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On frame – heating and DHW			
>	CombiSolar 500 B-S	196	**904 030**	**6 990**
>	CombiSolar 800 B-S		**904 028**	**8 944**
>	CombiSolar 1000 B-S		**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
221	**Selection of solar connection**			
>	25 m stainless steel connection – DN25	196	**900 660**	**760**
231	**If electric mixed DHW tank selection of immersion heater according to power and type of electrical supply**			
>	TR30 - 3,0 kW Single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW Single-phase		**900 446**	**427**
>	TR60 - 6,0 kW Single-phase		**900 447**	**773**
251	**Accessories for connecting a heat pump**			
>	SBP	208	**900 683**	**327**
255	**Domestic thermostatic mixing valve**			
>	½" F thermostatic mixing valve – 30–70 °C	207	**990 713**	**106**
301	**Heating circuit**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 20/45		**900 476**	**626**

High-temperature Air/Water Monobloc Heat Pumps – R290

OptiPac MR290

CE

Outdoor Units – Technical and Dimensional Specifications

Models	Single-phase					Three-phase	
	4	7	9	12	16	12 Tri	16 Tri
Electrical Connections							
Power supply, number of phases	1 Ph+N					3 Ph+N	
Supply voltage	230V - 50Hz					400V - 50Hz	
Absorbed current (A)	31	32	36	43	51	28	28
Protection (A, Curve D)	40	40	40	45	60	32	32
Power supply cables	3G6mm²	3G6mm²	3G10mm²	3G10mm²	3G10mm²	5G6mm²	5G6mm²
Electric back-up heater power (kW)	3					3 x 3	
Dimensions and Weight							
a) Palletized unit							
Height (H, mm)	982	1 040	1 040	1 560	1 560	1 560	1 560
Width (W, mm)	1 260	1 285	1 285	1 260	1 260	1 260	1 260
Depth (D, mm)	488	495	495	478	478	478	478
Weight (kg)	116	137	149	182	210	194	223
b) Unit							
Height (H, mm)	803	854	854	1 365	1 365	1 365	1 365
Width (W, mm)	1 155	1 223	1 223	1 155	1 155	1 155	1 155
Depth (D, mm)	422	461	461	448	448	448	448
Weight (kg)	101	122	134	161	186	173	199
Refrigerant							
Type of refrigerant	R290						
Refrigerant charge (kg)	0,61	0,83	1,00	1,20	1,65	1,20	1,65
Hydraulic							
Hydraulic connections	Heating Flow/Return Connections: 1" M						
Maximum operating pressure (bar)	3						
Expansion vessel volume (litres)	6						
Safety valve pressure setting (bar)	3						
Minimum flow without buffer tank (l/h)	600 l/h						
Minimum volume when using buffer tank (litres)	25	25	25	25	40	40	40
Operating Range							
Heating – Water temperature (°C)	+25° / +75°						
Cooling – Water temperature (°C)	+7° / +25°						
Heating – Outdoor temperature (°C)	-25° / +35°						
Cooling – Outdoor temperature (°C)	-5° / +43°						
DHW mode – Outdoor temperature (°C)	-25° / +43°						
Performance							
Seasonal Energy Efficiency – Heating (35 °C)	200	206	185	190	182	190	182
Energy Class – Heating (35 °C)	A+++	A+++	A+++	A+++	A+++	A+++	A+++
SCOP – Heating (35 °C)	5,07	5,21	4,69	4,82	4,63	4,82	4,63
Seasonal Energy Efficiency – Heating (55 °C)	150	151	150	155	133	155	133
Energy Class – Heating (55 °C)	A+++	A+++	A+++	A+++	A++	A+++	A++
SCOP – Heating (55 °C)	3,83	3,84	3,83	3,94	3,40	3,94	3,40
Acoustics							
Sound pressure at 5 m (dB)	28	29	31	34	38	34	38

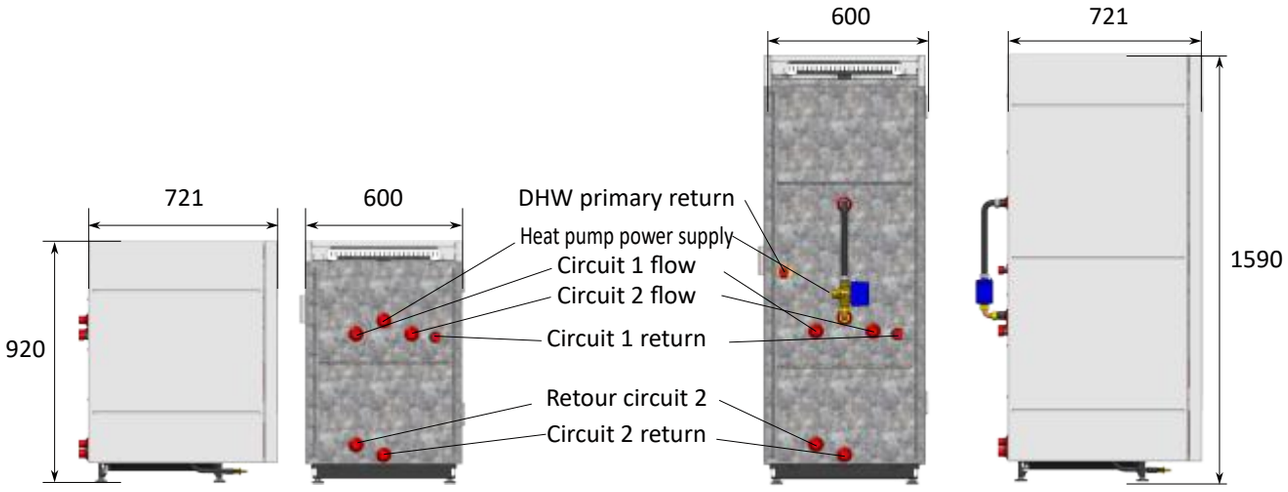
High-temperature Air/Water Monobloc Heat Pumps – R290

OptiPac MR290

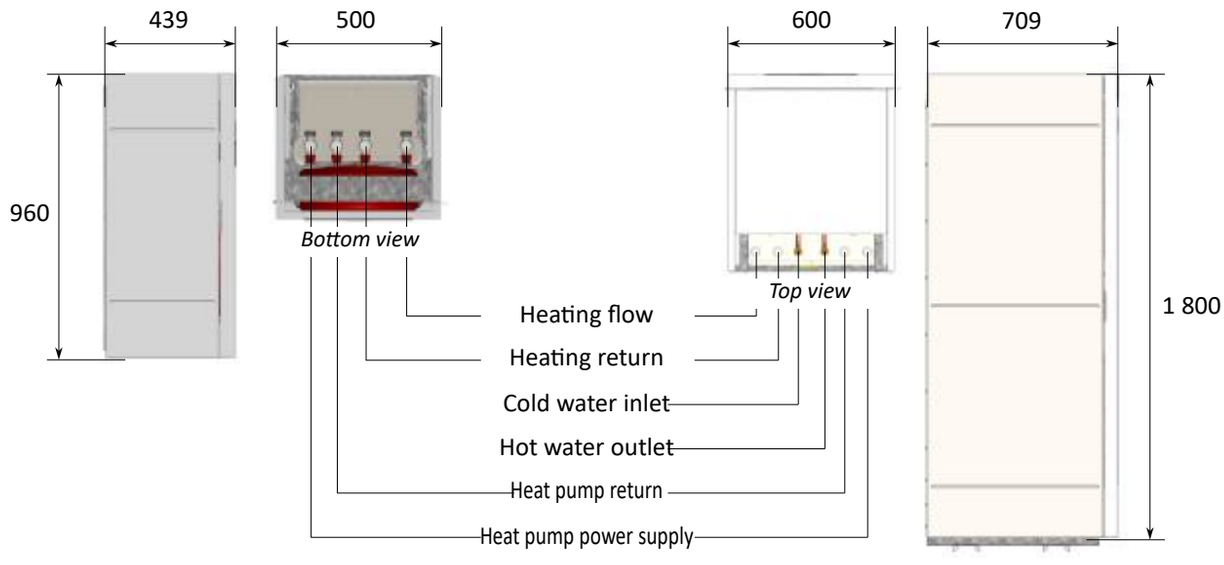
CE

Indoor Units – Dimensional Specifications

Floor-standing Heat Pump Indoor Units



Wall-mounted Heat Pump Indoor Units



M-RC7 B180-RC7

Outdoor Units – Power and COP Table – Heating Mode

OptiPac MR290 04

Outdoor Temp. (°C)	Flow Temperature (°C)																					
	25		30		35		40		45		50		55		60		65		70		75	
	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP
-25	2.60	2,50	2,65	2,28	2,28	1,91	2,23	1,80	2,03	1,59	1,97	1,41	1,78	1,21	-	-	-	-	-	-	-	-
-20	3,18	2,58	3,17	2,39	2,94	2,07	2,92	1,96	2,76	1,75	2,58	1,53	2,49	1,41	-	-	-	-	-	-	-	-
-15	3,59	2,83	3,55	2,66	3,42	2,37	3,43	2,23	3,32	2,03	3,08	1,76	3,06	1,66	3,10	1,53	-	-	-	-	-	-
-10	3,85	3,21	3,81	3,06	3,75	2,81	3,80	2,60	3,74	2,40	3,49	2,08	3,51	1,96	3,42	1,78	3,50	1,57	3,35	1,41	-	-
-7	3,95	3,49	3,93	3,35	3,90	3,13	3,96	2,87	3,93	2,66	3,70	2,31	3,74	2,23	3,59	1,95	3,45	1,71	3,32	1,54	2,80	1,60
-5	4,00	3,70	3,99	3,56	3,98	3,36	4,05	3,06	4,04	2,84	3,83	2,47	3,88	2,29	3,71	2,06	3,45	1,81	3,33	1,62	2,81	1,75
0	4,09	4,29	4,12	4,16	4,15	4,00	4,23	3,59	4,29	3,36	4,13	2,92	4,19	2,66	3,99	2,38	3,60	2,08	3,46	1,85	2,94	2,05
5	4,15	4,95	4,21	4,82	4,28	4,70	4,38	4,17	4,50	3,92	4,42	3,42	4,47	3,05	4,27	2,71	3,90	2,37	3,71	2,07	3,19	2,24
7	4,17	5,23	4,25	5,09	4,34	5,15	4,43	4,42	4,58	4,16	4,53	3,63	4,59	3,21	4,39	2,85	4,05	2,48	3,84	2,16	3,32	2,28
10	4,21	5,66	4,32	5,52	4,43	5,45	4,53	4,80	4,72	4,52	4,70	3,95	4,76	3,46	4,58	3,06	4,30	2,66	4,05	2,30	3,51	2,30
15	4,32	6,39	4,45	6,24	4,61	6,21	4,71	5,45	4,98	5,14	5,01	4,49	5,09	3,88	4,92	3,41	4,76	2,97	4,45	2,52	3,84	2,21
20	4,52	7,12	4,66	6,96	4,88	6,98	4,98	6,11	5,33	5,76	5,37	5,03	5,48	4,30	5,31	3,76	5,24	3,27	4,88	2,73	4,11	1,93

*Output expressed in kW

OptiPac MR290 07

Outdoor Temp. (°C)	Flow Temperature (°C)																					
	25		30		35		40		45		50		55		60		65		70		75	
	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP
-25	3,00	1,97	2,99	1,93	2,76	1,80	2,64	1,46	2,66	1,41	2,49	1,20	2,38	1,38	-	-	-	-	-	-	-	-
-20	4,02	2,26	3,92	2,06	3,70	1,92	3,47	1,66	3,35	1,55	3,12	1,33	2,95	1,45	-	-	-	-	-	-	-	-
-15	4,86	2,74	4,72	2,40	4,54	2,19	4,25	1,95	4,06	1,78	3,81	1,55	3,62	1,63	3,20	0,98	-	-	-	-	-	-
-10	5,57	3,37	5,40	2,92	5,28	2,61	4,99	2,35	4,77	2,10	4,54	1,83	4,35	1,90	4,02	1,39	3,72	1,21	1,93	0,39	-	-
-7	5,93	3,81	5,77	3,30	5,68	2,92	5,40	2,63	5,19	2,34	4,98	2,03	4,81	2,09	4,52	1,63	4,41	1,48	3,23	0,90	1,00	0,26
-5	6,14	4,13	5,99	3,59	5,92	3,15	5,67	2,83	5,47	2,51	5,28	2,18	5,12	2,24	4,85	1,78	4,84	1,64	3,98	1,18	2,31	0,64
0	6,62	4,98	6,49	4,38	6,49	3,80	6,30	3,40	6,14	2,98	6,01	2,59	5,90	2,64	5,68	2,14	5,77	1,98	5,45	1,72	4,76	1,37
5	7,01	5,90	6,92	5,26	6,98	4,54	6,88	4,04	6,78	3,52	6,72	3,04	6,65	3,09	6,50	2,46	6,51	2,24	6,42	2,06	6,23	1,82
7	7,15	6,27	7,08	5,63	7,15	4,87	7,09	4,31	7,02	3,75	6,98	3,24	6,93	3,28	6,82	2,57	6,75	2,32	6,68	2,15	6,59	1,93
10	7,35	6,85	7,30	6,20	7,40	5,37	7,40	4,75	7,36	4,12	7,37	3,54	7,34	3,57	7,30	2,74	7,06	2,43	6,96	2,24	6,94	2,04
15	7,65	7,80	7,63	7,17	7,76	6,26	7,86	5,51	7,87	4,77	7,94	4,08	7,95	4,06	8,07	2,98	7,41	2,57	7,16	2,32	7,11	2,12
20	7,94	8,74	7,94	8,14	8,07	7,20	8,26	6,34	8,29	5,46	8,42	4,64	8,44	4,56	8,81	3,18	7,56	2,68	7,08	2,33	6,97	2,11

*Output expressed in kW

OptiPac MR290 09

Outdoor Temp. (°C)	Flow Temperature (°C)																					
	25		30		35		40		45		50		55		60		65		70		75	
	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP
-25	4,88	1,20	4,33	1,65	4,64	1,37	4,04	1,48	3,80	1,19	3,38	1,12	2,92	0,98	-	-	-	-	-	-	-	-
-20	6,11	1,81	5,76	1,98	5,92	1,74	5,31	1,69	5,03	1,45	4,63	1,33	4,27	1,27	-	-	-	-	-	-	-	-
-15	7,04	2,42	6,85	2,41	6,92	2,19	6,36	2,01	6,08	1,77	5,73	1,61	5,48	1,57	4,63	1,10	-	-	-	-	-	-
-10	7,73	3,05	7,66	2,91	7,68	2,71	7,23	2,41	6,99	2,16	6,71	1,94	6,54	1,90	5,75	1,46	5,02	0,88	4,34	1,09	-	-
-7	8,04	3,43	8,03	3,23	8,03	3,04	7,68	2,68	7,47	2,40	7,24	2,16	7,12	2,10	6,39	1,67	5,83	1,24	5,18	1,23	5,11	1,20
-5	8,22	3,68	8,23	3,46	8,24	3,27	7,96	2,87	7,77	2,58	7,58	2,31	7,49	2,23	6,81	1,81	6,32	1,44	5,67	1,31	5,36	1,20
0	8,56	4,33	8,65	4,04	8,65	3,85	8,56	3,36	8,45	3,02	8,35	2,71	8,33	2,57	7,79	2,14	7,38	1,87	6,69	1,52	5,88	1,24
5	8,82	4,98	8,96	4,62	8,96	4,43	9,07	3,87	9,05	3,48	9,04	3,12	9,08	2,90	8,69	2,45	8,22	2,19	7,45	1,70	6,30	1,29
7	8,91	5,25	9,07	4,85	9,06	4,94	9,26	4,08	9,27	3,66	9,30	3,28	9,36	3,03	9,01	2,56	8,51	2,29	7,70	1,77	6,44	1,32
10	9,04	5,65	9,22	5,19	9,20	4,98	9,53	4,38	9,59	3,93	9,67	3,52	9,75	3,22	9,47	2,71	8,89	2,42	8,02	1,86	6,64	1,37
15	9,27	6,32	9,50	5,72	9,43	5,49	9,95	4,85	10,10	4,36	10,25	3,90	10,37	3,52	10,14	2,92	9,41	2,59	8,45	2,01	6,94	1,46
20	9,58	7,01	9,85	6,18	9,69	5,92	10,37	5,27	10,60	4,75	10,79	4,25	10,94	3,79	10,68	3,04	9,81	2,71	8,81	2,15	7,25	1,56

*Output expressed in kW

Outdoor Units – Power and COP Table – Heating Mode (continued)

OptiPac MR290 12

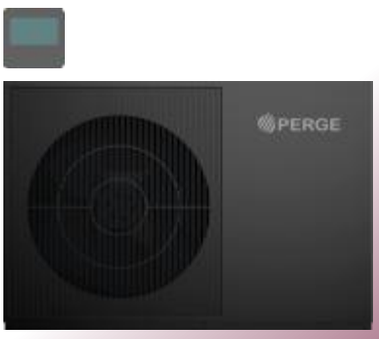
Outdoor Temp. (°C)	Flow Temperature (°C)																					
	25		30		35		40		45		50		55		60		65		70		75	
	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP
-25	6,08	2,24	5,76	1,89	5,73	2,99	6,08	1,67	5,59	1,63	5,41	1,67	5,28	1,64	-	-	-	-	-	-	-	-
-20	6,73	2,38	6,82	2,06	6,92	2,29	7,28	1,81	6,86	1,72	6,73	1,59	6,63	1,50	-	-	-	-	-	-	-	-
-15	7,52	2,66	7,86	2,39	8,04	2,17	8,41	2,11	8,02	1,96	7,93	1,71	7,84	1,58	7,54	1,68	-	-	-	-	-	-
-10	8,39	3,06	8,85	2,82	9,07	2,48	9,43	2,52	9,05	2,32	8,98	2,00	8,91	1,82	8,56	1,67	8,49	1,55	8,29	1,34	-	-
-7	8,92	3,33	9,41	3,11	9,64	2,80	9,99	2,80	9,61	2,57	9,55	2,22	9,48	2,06	9,09	1,75	8,88	1,67	8,79	1,46	7,72	1,28
-5	9,28	3,53	9,76	3,32	10,01	3,06	10,35	3,00	9,96	2,75	9,90	2,39	9,84	2,18	9,41	1,83	9,13	1,76	9,09	1,53	7,87	1,37
0	10,16	4,03	10,59	3,85	10,83	3,76	11,14	3,53	10,74	3,21	10,68	2,86	10,62	2,62	10,11	2,10	9,69	2,02	9,74	1,70	8,29	1,55
5	10,96	4,53	11,30	4,38	11,52	4,44	11,79	4,05	11,37	3,68	11,31	3,36	11,25	3,09	10,67	2,45	10,16	2,29	10,23	1,84	8,72	1,68
7	11,24	4,72	11,55	4,58	11,75	4,84	12,01	4,25	11,59	3,85	11,52	3,55	11,45	3,27	10,85	2,59	10,32	2,40	10,39	1,88	8,89	1,72
10	11,63	4,99	11,88	4,87	12,06	4,95	12,29	4,54	11,86	4,10	11,79	3,83	11,72	3,54	11,09	2,81	10,54	2,57	10,57	1,95	9,10	1,78
15	12,12	5,38	12,29	5,27	12,45	5,13	12,61	4,95	12,20	4,45	12,12	4,24	12,04	3,93	11,38	3,16	10,82	2,81	10,75	2,03	9,34	1,88
20	12,38	5,64	12,52	5,56	12,66	4,83	12,75	5,24	12,37	4,69	12,30	4,54	12,21	4,21	11,54	3,44	11,00	3,01	10,78	2,08	9,37	1,99

**Output expressed in kW*

OptiPac MR290 16

Outdoor Temp. (°C)	Flow Temperature (°C)																					
	25		30		35		40		45		50		55		60		65		70		75	
	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP	O*	COP
-25	7,41	1,74	7,73	1,59	8,50	9,52	8,57	1,51	8,36	1,43	7,91	1,55	7,10	11,95	-	-	-	-	-	-	-	-
-20	8,97	1,95	9,32	1,86	10,25	5,97	10,37	1,67	10,07	1,48	9,57	1,36	8,64	7,30	-	-	-	-	-	-	-	-
-15	10,44	2,34	10,80	2,26	11,77	3,89	11,94	1,96	11,58	1,71	11,08	1,42	10,13	4,29	8,97	1,35	-	-	-	-	-	-
-10	11,80	2,85	12,17	2,76	13,08	2,98	13,28	2,35	12,91	2,06	12,42	1,69	11,53	2,64	10,35	1,48	9,87	1,22	9,52	1,24	-	-
-7	12,56	3,20	12,93	3,09	13,77	2,86	13,99	2,63	13,61	2,32	13,16	1,92	12,33	2,17	11,12	1,63	10,61	1,45	10,33	1,35	9,76	1,29
-5	13,04	3,44	13,41	3,32	14,19	2,93	14,42	2,82	14,05	2,51	13,62	2,10	12,84	2,03	11,62	1,76	11,07	1,61	10,83	1,42	10,04	1,35
0	14,15	4,06	14,50	3,90	15,13	3,44	15,37	3,32	15,02	3,02	14,66	2,61	14,02	2,18	12,77	2,16	12,09	2,02	11,92	1,61	10,97	1,49
5	15,11	4,68	15,44	4,46	15,90	4,22	16,14	3,83	15,83	3,55	15,54	3,17	15,06	2,77	13,80	2,62	12,93	2,41	12,78	1,78	12,02	1,61
7	15,44	4,91	15,76	4,67	16,16	4,75	16,40	4,03	16,11	3,76	15,85	3,40	15,43	3,07	14,17	2,81	13,21	2,56	13,06	1,84	12,42	1,66
10	15,90	5,24	16,20	4,97	16,52	4,97	16,75	4,32	16,48	4,06	16,27	3,72	15,94	3,52	14,68	3,09	13,59	2,78	13,41	1,93	12,96	1,73
15	16,51	5,70	16,77	5,40	17,00	5,38	17,22	4,76	16,98	4,52	16,85	4,21	16,62	4,11	15,40	3,51	14,09	3,10	13,80	2,06	13,58	1,83
20	16,93	6,01	17,13	5,69	17,37	5,15	17,56	5,12	17,34	4,88	17,27	4,59	17,09	4,26	15,94	3,83	14,43	3,37	13,94	2,16	13,64	1,93

**Output expressed in kW*



Delivery starting from July 2025

High-temperature Air/Water Heat Pumps without indoor unit

OptiPac MR290-R

Heating | Cooling | DHW

kW — **Heat pump output: 4 to 16 kW**
Backup heater: 3 kW or 3×3 kW

COP up to 5,15 | 29 dB | Temp. up to 75°C

ENERGY A+++ | R290

Description	Designation OptiPac MR290	Heat Pump kW	Power supply	SEER	Ref	€ Excl. tax
Outdoor unit includes: •Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, Panasonic DC inverter fan motor, R290 air exchanger with weather protection, R290-water plate heat exchanger •Hydraulic circuit with DC inverter circulating pump, 6-litre expansion vessel, safety valve, 1" M diameter flow and return connections •Degassing vessel •Electric back-up heater (3 kW for single-phase version, 3x3 kW for three-phase version) •Easy-access connection box •DHW sensor •Anti-frost heating cable in the condensate tray **Indoor touchscreen controller includes:** •Adjustment and monitoring of system parameters •Integrated room sensor •Daily/weekly programming •Holiday mode •Error code display •Supplied with a 20-metre cable for connection to the outdoor unit **Packing:** •1 x Outdoor unit •1 x Wired controller	**Supplied with indoor controller**					
	4 Single-phase -R	4	Single-phase	200	920 520	4 890
	7 Single-phase -R	7	Single-phase	206	920 521	5 490
	9 Single-phase -R	9	Single-phase	185	920 522	5 990
	12 Single-phase -R	12	Single-phase	190	920 523	7 090
	16 Single-phase -R	16	Single-phase	182	920 524	8 690
	12 Three-phase -R	12	Three-phase	190	920 525	7 490
	16 Three-phase -R	16	Three-phase	182	920 526	9 090
	"Slave" model for cascade configuration (Maximum 1 master + 7 slaves in cascade)					
	4 Single-phase	4	Single-phase	200	920 500	4 720
	7 Single-phase	7	Single-phase	206	920 501	5 320
	9 Single-phase	9	Single-phase	185	920 502	5 820
	12 Single-phase	12	Single-phase	190	920 503	6 920
	16 Single-phase	16	Single-phase	182	920 504	8 520
	12 Three-phase	12	Three-phase	190	920 505	7 320
	16 Three-phase	16	Three-phase	182	920 506	8 920

OptiPac MR290 -R: Mandatory Accessories

Designation	Description	Ref	€ Excl. tax
Outdoor unit protection kit	Outdoor unit protection kit includes: 2 x 1" male anti-freeze safety valves, 2 x shut-off valves,1 sludge separator with magnetic filter	900 639	495
Zone valve	Zone valve (mandatory for DHW production)	990 839	164

OptiPac MR290 -R: Specific Optional Equipment

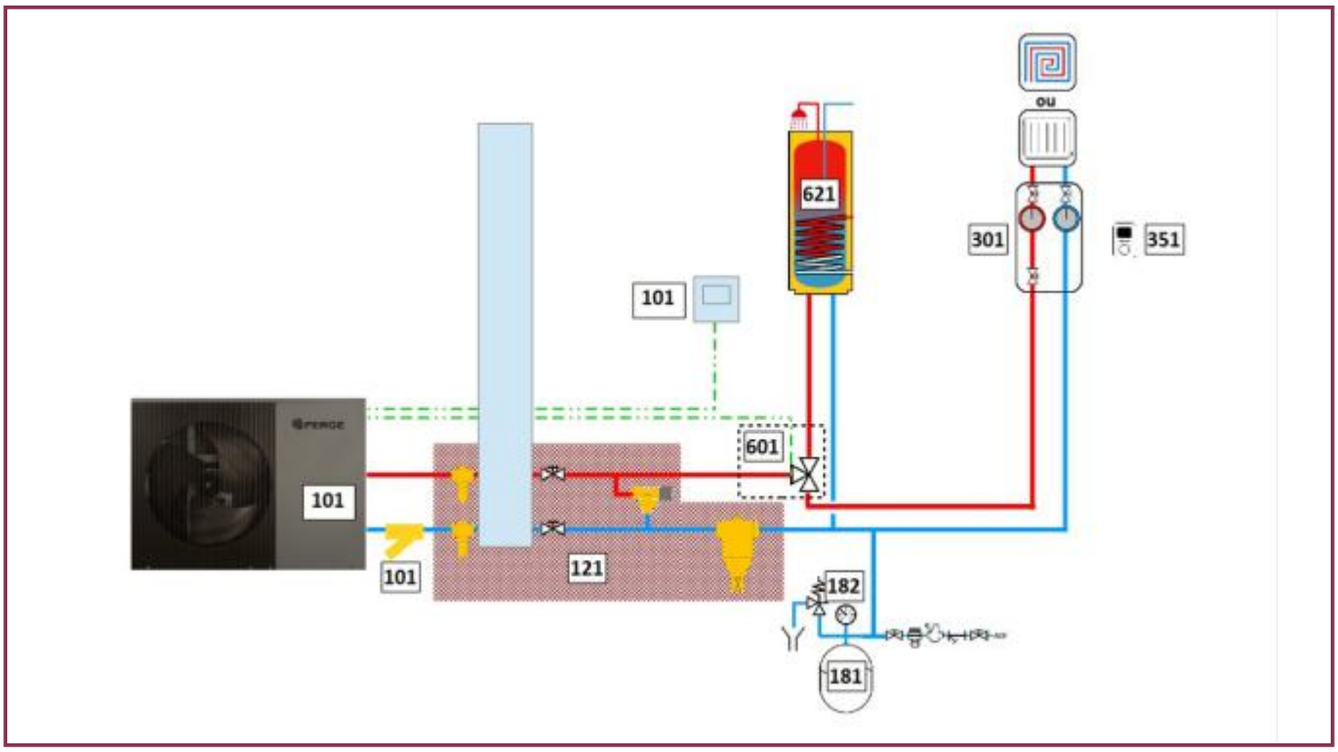
Designation	Description	Ref	€ Excl. tax
BDME 45	PERGE wall-mounted hydraulic separator (45-litre capacity), equipped with a 14-litre expansion vessel, automatic air vent, and 4 shut-off valves	900 704	890
Temperature sensor	Temperature sensor – 10 m	992 687	31
AHS accessory	Coupling kit for OptiPac MR32 with an existing oil or gas boiler, including zone valve and temperature sensor	900 674	195

Standard Optional Accessories

Description	Page
Expansion vessel and safety valve	211
Hydraulic mixing tanks	206

Description	Page
Domestic hot water cylinders	209
Electric back-up heaters	209

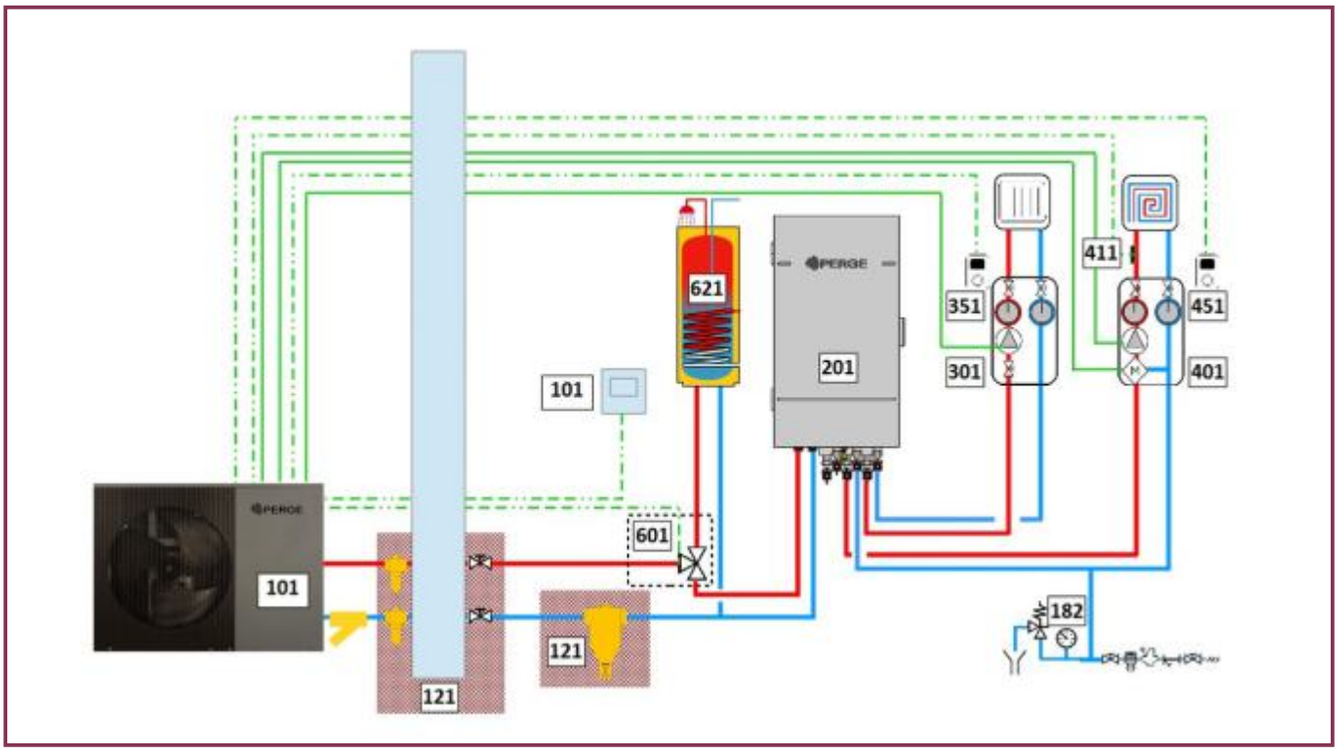
OptiPac MR290 without indoor unit – OPP60



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR290 4 Single-phase -R	46	**920 520**	**4 890**
>	OptiPac MR290 7 Single-phase -R		**920 521**	**5 490**
>	OptiPac MR290 9 Single-phase -R		**920 522**	**5 990**
>	OptiPac MR290 12 Single-phase -R		**920 523**	**7 090**
>	OptiPac MR290 16 Single-phase -R		**920 524**	**8 690**
>	OptiPac MR290 12 Three-phase -R		**920 525**	**7 490**
>	OptiPac MR290 16 Three-phase -R		**920 526**	**9 090**
121	**Outdoor unit protection kit (mandatory)**			
>	UE-SD Protection Kit	84	**900 642**	**560**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for expansion vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no.1 – Direct hydraulic module MHS without circulating pump (factory-fitted)**			
>	MHS	210	**900 445**	**279**
351	**Mandatory choice of room thermostat type for circuit n°1**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
601	**If DHW is required, zone valve is mandatory**			
>	Zone valve	46	**990 839**	**164**

N°	Designation	Page	Ref	€ Excl. tax
621	**Selection of DHW cylinder according to required capacity**			
>	PE 200/1S Heat pump 200 l	211	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

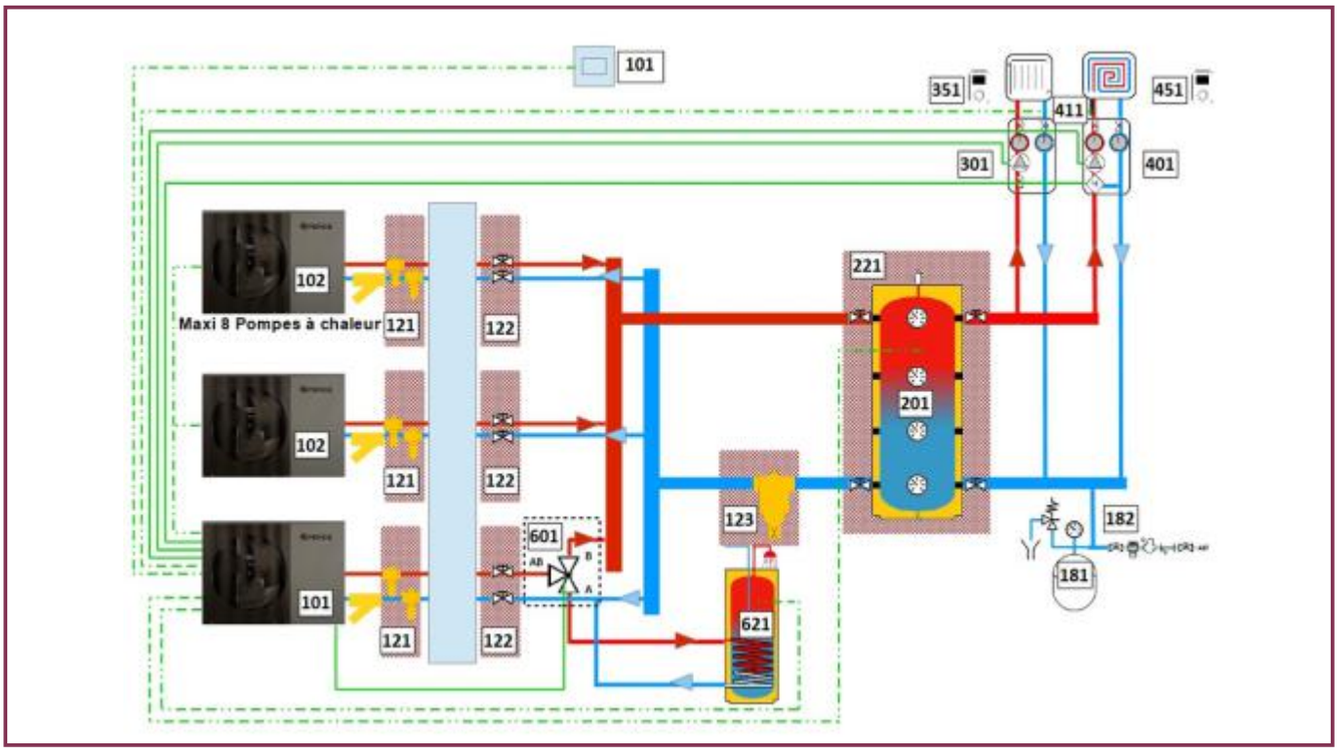
OptiPac MR290 with hydraulic separator – OPP61



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR290 4 Single-phase -R	46	**920 520**	**4 890**
>	OptiPac MR290 7 Single-phase -R		**920 521**	**5 490**
>	OptiPac MR290 9 Single-phase -R		**920 522**	**5 990**
>	OptiPac MR290 12 Single-phase -R		**920 523**	**7 090**
>	OptiPac MR290 16 Single-phase -R		**920 524**	**8 690**
>	OptiPac MR290 12 Three-phase -R		**920 525**	**7 490**
>	OptiPac MR290 16 Three-phase -R		**920 526**	**9 090**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	46	**900 639**	**495**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
201	**Selection of hydraulic separator**			
>	BDME 45	46	**900 704**	**890**
301	**Heating circuit n°1**			
>	MHD	210	**900 420**	**421**
351	**Mandatory choice of room thermostat type for circuit n°1**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**

N°	Designation	Page	Ref	€ Excl. tax
401	**Heating circuit n°2**			
>	MHR	210	**900 422**	**654**
411	**Flow sensor**			
>	OptiPac MR flow sensor – Length 10 m	46	**992 687**	**31**
451	**Mandatory choice of room thermostat type for circuit n°2**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
601	**If DHW is required, zone valve is mandatory**			
>	Zone valve	46	**990 839**	**164**
621	**Selection of DHW cylinder according to required capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

OptiPac MR290 in cascade configuration – OPP68



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the output**			
>	OptiPac MR290 4 Single-phase -R	48	**920 520**	**4 890**
>	OptiPac MR290 7 Single-phase -R		**920 521**	**5 490**
>	OptiPac MR290 9 Single-phase -R		**920 522**	**5 990**
>	OptiPac MR290 12 Single-phase -R		**920 523**	**7 090**
>	OptiPac MR290 16 Single-phase -R		**920 524**	**8 690**
>	OptiPac MR290 12 Three-phase -R		**920 525**	**7 490**
>	OptiPac MR290 16 Three-phase -R		**920 526**	**9 090**
102	**Selection of back-up outdoor units (maximum 7)**			
>	OptiPac MR290 UE 4 Single-phase	48	**920 500**	**4 720**
>	OptiPac MR290 UE 7 Single-phase		**920 501**	**5 320**
>	OptiPac MR290 UE 9 Single-phase		**920 502**	**5 820**
>	OptiPac MR290 UE 12 Single-phase		**920 503**	**6 920**
>	OptiPac MR290 UE 16 Single-phase		**920 504**	**8 520**
>	OptiPac MR290 UE 12 Three-phase		**920 505**	**7 320**
>	OptiPac MR290 UE 16 Three-phase		**920 506**	**8 920**
121	**Anti-freeze safety valve – mandatory (2 per outdoor unit)**			
>	Anti-freeze safety valve	14	**900 635**	**145**
>	Anti-freeze safety valve		**900 635**	**145**
122	**Anti-freeze safety valve – mandatory (2 per outdoor unit)**			
>	Anti-freeze safety valve	14	**900 383**	**20**
>	Anti-freeze safety valve		**900 383**	**20**
123	**Sludge separator – mandatory (1 for the entire installation)**			
>	Sediment separator	14	**900 662**	**254**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	213	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	213	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
201	**Selection of mixing bottle**			
>	BM 100 Mixing Bottle	208	**900 620**	**704**
>	BM 200 Mixing Bottle		**900 622**	**882**
>	BM 300 Mixing Bottle		**900 623**	**1 111**
221	**Accessories for connecting the mixing bottle**			
>	BM-3P Accessory (for BM100 and BM200)	208	**900 671**	**297**
>	BM-4P Accessory (for BM300)		**900 672**	**331**
301	**Heating circuit n°1 – Selection of hydraulic module**			
>	MHD	212	**900 420**	**421**
351	**Selection of room thermostat type for circuit n°1**			
>	TH4 – Wired	214	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
401	**If Heating circuit n°2 – Hydraulic modules**			
>	MHR	212	**900 422**	**654**
411	**If Heating circuit n°2 – OptiPac MR flow sensor**			
>	OptiPac MR flow sensor – Length 10 m	48	**992 687**	**31**
451	**If Heating circuit no.2 – Selection of room thermostat type**			
>	TH4 – Wired	214	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
601	**If DHW is required, zone valve is mandatory**			
>	Zone valve	48	**990 839**	**164**
621	**Selection of DHW cylinder according to required capacity**			
>	PE 200/1S Heat pump 200 l	211	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

Delivery starting from July 2025

High-temperature Air/Water Heat Pumps with floor-standing indoor unit – heating

OptiPac MR290 C-R

Heating · Cooling · DHW

kW **Heat pump output: 4 to 16 kW**
Backup heater: 3 kW or 3×3 kW

COP up to 5,15 · 29 dB · Temp. up to 75°C

ENERGY A+++ · R290

Description	Designation OptiPac MR290	Heat Pump kW	Power supply	SEER	Ref	€ Excl. tax
Outdoor unit includes: • Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, Panasonic DC inverter fan motor, R290 air exchanger with weather protection, R290-to-water plate heat exchanger • Hydraulic circuit with DC inverter circulating pump, 6-litre expansion vessel, safety valve, 1'' M diameter flow and return connections • Degassing vessel • Electric back-up heater: 3 kW (single-phase version) or 3 × 3 kW (three-phase version) • Easy-access connection box • DHW sensor • Anti-frost heating cable in the condensate tray **Indoor unit includes:** • Touchscreen controller supplied with a 20-metre cable for connection to the outdoor unit (allows modification/viewing of outdoor unit operating parameters and error code display) • 80-litre primary water volume • 14-litre expansion vessel • Circulating pump for circuit no.1 • Pre-wired terminal block (power supply, second pump, room thermostat, underfloor heating safety) **Packing**: 1 × Outdoor unit/ 1 × Indoor unit C	**4 Single-phase C-R**	**4**	**Single-phase**	**200**	**920 540**	**6 600**
	7 Single-phase C-R	**7**	**Single-phase**	**206**	**920 541**	**7 200**
	9 Single-phase C-R	**9**	**Single-phase**	**185**	**920 542**	**7 700**
	12 Single-phase C-R	**12**	**Single-phase**	**190**	**920 543**	**8 800**
	16 Single-phase C-R	**16**	**Single-phase**	**182**	**920 544**	**10 400**
	12 Three-phase C-R	**12**	**Three-phase**	**190**	**920 545**	**9 200**
	16 Three-phase C-R	**16**	**Three-phase**	**182**	**920 546**	**10 800**
	"Slave" model for cascade configuration (maximum 1 master + 7 slaves in cascade)					
	4 Single-phase	**4**	**Single-phase**	**200**	**920 500**	**4 720**
	7 Single-phase	**7**	**Single-phase**	**206**	**920 501**	**5 320**
	9 Single-phase	**9**	**Single-phase**	**185**	**920 502**	**5 820**
	12 Single-phase	**12**	**Single-phase**	**190**	**920 503**	**6 920**
	16 Single-phase	**16**	**Single-phase**	**182**	**920 504**	**8 520**
	12 Three-phase	**12**	**Three-phase**	**190**	**920 505**	**7 320**
	16 Three-phase	**16**	**Three-phase**	**182**	**920 506**	**8 920**

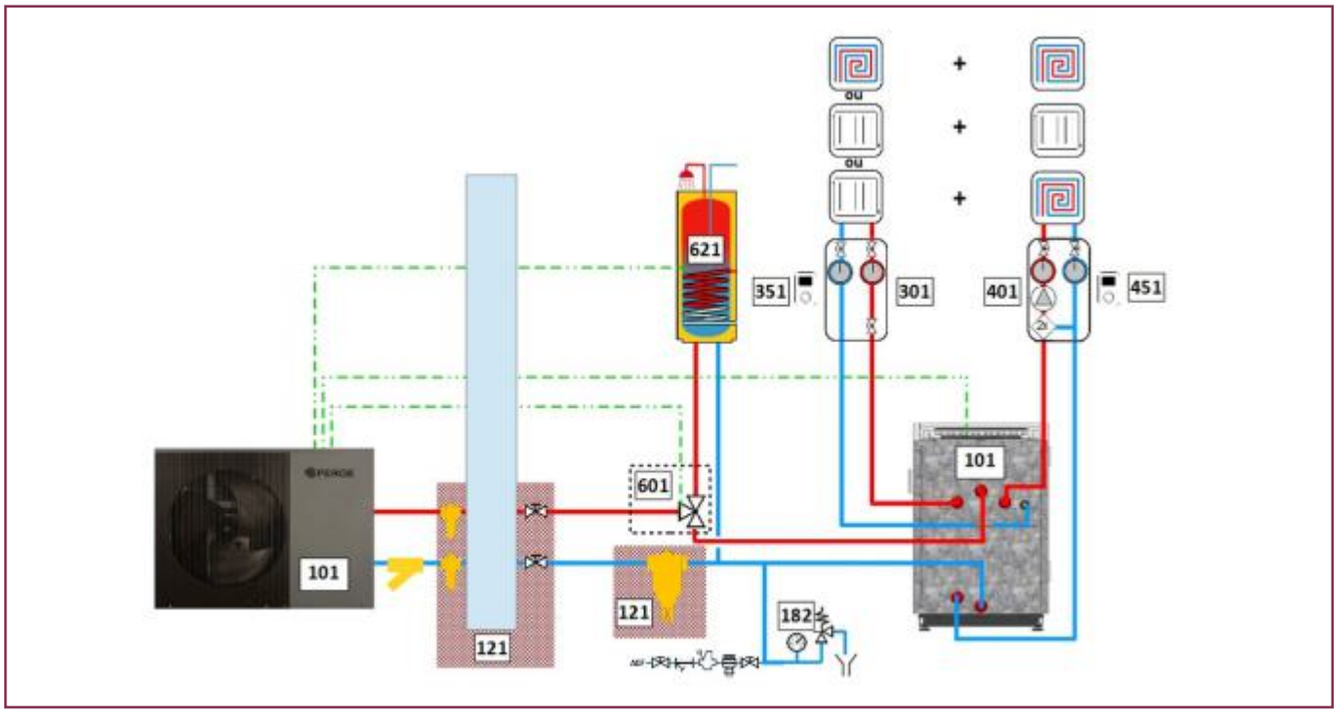
OptiPac MR290 -R: Mandatory Accessories

Designation	Description	Ref	€ Excl. tax
Outdoor unit protection kit	Outdoor unit protection kit includes:2 × 1" male anti-freeze safety valves,2 × shut-off valves,1 sludge separator with magnetic filter	**900 639**	**495**
Zone valve	Zone valve (mandatory for DHW production)	**990 839**	**164**

OptiPac MR290 -R: Specific Optional Equipment

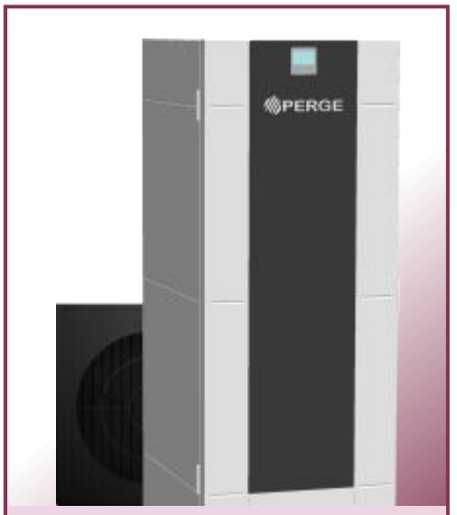
Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulating pump Direct hydraulic module Hydraulic module with Duotherm	**900 445** **900 420** **900 493**	**279** **421** **541**
TH4-Wired	Class IV wired room thermostat with weekly programming. Can control pump or burner.	**900 470**	**67**
TH4-Wireless	Class IV radio room thermostat with weekly programmable transmitter and compact 868 MHz receiver. Can control pump or burner.	**900 471**	**175**
Pressure valve with manometer	Pressure valve with manometer	**900 404**	**23**
PE	DHW cylinder (see page 209)		
Temperature sensor	Temperature sensor – 10 m	**992 687**	**31**
AHS accessory	Coupling kit for OptiPac MR290 with existing oil or gas boiler, including zone valve and temperature sensor	**900 674**	**195**

OptiPac MR290 with floor-standing indoor unit – OPP62



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR290 4 Single-phase C-R	50	**920 540**	**6 600**
>	OptiPac MR290 7 Single-phase C-R		**920 541**	**7 200**
>	OptiPac MR290 9 Single-phase C-R		**920 542**	**7 700**
>	OptiPac MR290 12 Single-phase C-R		**920 543**	**8 800**
>	OptiPac MR290 16 Single-phase C-R		**920 544**	**10 400**
>	OptiPac MR290 12 Three-phase C-R		**920 545**	**9 200**
>	OptiPac MR290 16 Three-phase C-R		**920 546**	**10 800**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	50	**900 639**	**495**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit n°1 – Direct hydraulic module MHS without circulating pump (as it is factory-fitted)**			
>	MHS	210	**900 445**	**279**
351	**Mandatory choice of room thermostat type for circuit 1**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
401	**If Heating circuit no.2 – Hydraulic modules**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
451	**Mandatory choice of room thermostat type for circuit 2**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**

N°	Designation	Page	Ref	€ Excl. tax
601	**If DHW (Domestic Hot Water) is required: zone valve is mandatory**			
>	Zone valve	50	**990 839**	**164**
621	**Selection of the DHW tank according to its capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**



Delivery starting from July 2025

High-temperature Air/Water Heat Pumps with floor-standing indoor unit – heating + DHW

OptiPac MR290 B150-R

Heating Cooling **DHW**

Heat pump output: 4 to 16 kW
Backup heater: 3 kW or 3×3 kW

COP up to 5,15 | 29 dB | Temp. up to 75°C

ENERGY A+++ | R290

Outdoor unit includes:
- Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, Panasonic DC inverter fan motor, R290 air exchanger with weather protection, and R290-to-water plate heat exchanger
- Hydraulic circuit with DC inverter circulating pump, 6-litre expansion vessel, safety valve, and 1" M flow and return connections
- Degassing vessel
- Electric back-up heater: 3 kW (single-phase version) or 3 × 3 kW (three-phase version)
- Easy-access connection box
- DHW sensor
- Anti-frost heating cable in the condensate tray

Indoor unit includes:
- Touchscreen controller supplied with a 20-metre cable for connection to the outdoor unit (enables adjustment/viewing of operating parameters and error code display)
- 80-litre primary water volume
- 14-litre expansion vessel
- Circulating pump for heating circuit no.1
- Pre-wired terminal block (power supply, second circulator, room thermostat, underfloor heating safety)
- 150-litre stainless steel domestic hot water tank
- Zone valve for DHW priority

Packing:
- 1 × Outdoor unit
- 1 × Indoor unit B150

Designation OptiPac MR290	Heat Pump kW	Power supply.	SEER	Ref	€ Excl. tax
4 Single-phase B150-R	4	Single-phase	200	920 560	8 260
7 Single-phase B150-R	7	Single-phase	206	920 561	8 860
9 Single-phase B150-R	9	Single-phase	185	920 562	9 360
12 Single-phase B150-R	12	Single-phase	190	920 563	10 460
16 Single-phase B150-R	16	Single-phase	182	920 564	12 060
12 Three-phase B150-R	12	Three-phase	190	920 565	10 860
16 Three-phase B150-R	16	Three-phase	182	920 566	12 460
"Slave" model in cascade configurations (maximum 1 master + 7 slaves)					
4 Single-phase	4	Single-phase	200	920 500	4 720
7 Single-phase	7	Single-phase	206	920 501	5 320
9 Single-phase	9	Single-phase	185	920 502	5 820
12 Single-phase	12	Single-phase	190	920 503	6 920
16 Single-phase	16	Single-phase	182	920 504	8 520
12 Three-phase	12	Three-phase	190	920 505	7 320
16 Three-phase	16	Three-phase	182	920 506	8 920

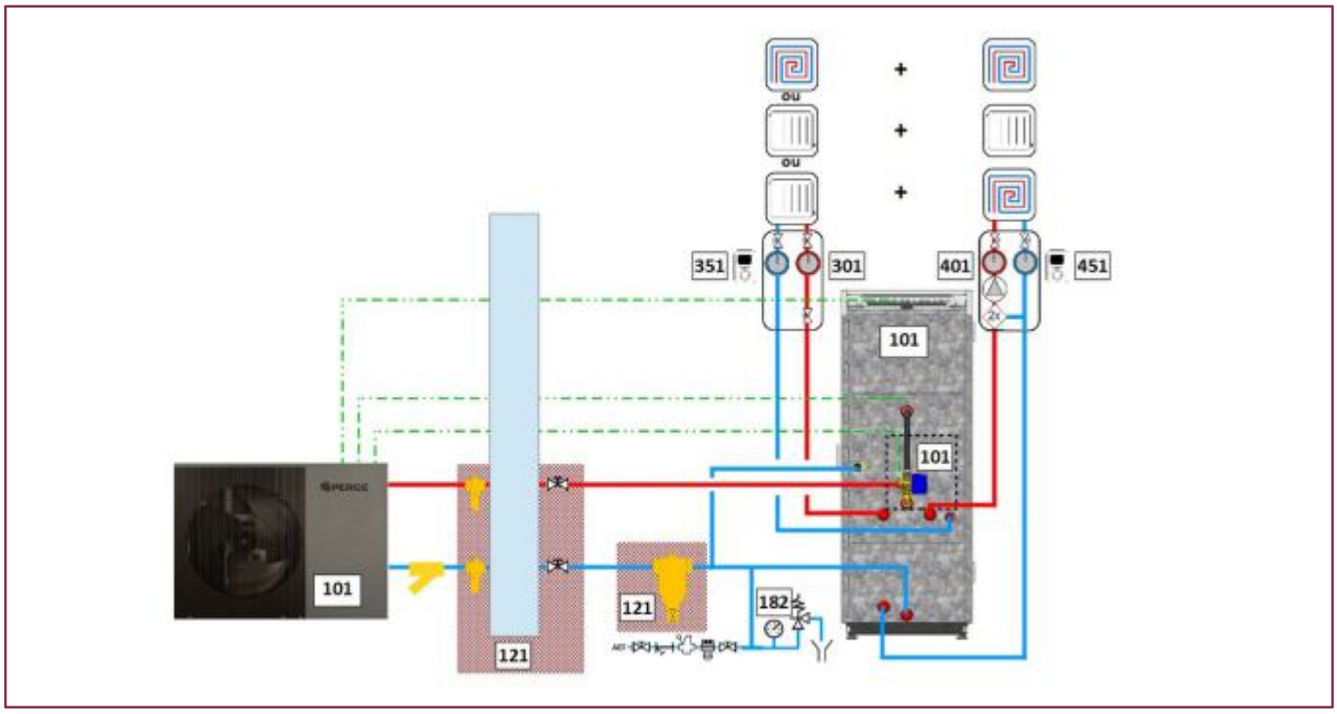
OptiPac MR290 -R : Mandatory accessories

Designation	Description	Ref	€ Excl. tax
Outdoor unit protection kit	Outdoor unit protection kit includes:2 × 1" male anti-freeze safety valves,2 × shut-off valves,1 sludge separator with magnetic filter	900 639	495

OptiPac MR290 -R : Optional specific equipment

Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulating pump Direct hydraulic module Hydraulic module with Duotherm	900 445 900 420 900 493	279 421 541
TH4-Wired	Class IV wired room thermostat with weekly programming. Can control pump or burner.	900 470	67
TH4-Wireless	Class IV radio room thermostat with weekly programmable transmitter and compact 868 MHz receiver. Can control pump or burner.	900 471	175
Pressure valve with manometer	Pressure valve with manometer	900 404	23
Temperature sensor	Temperature sensor – 10 m	992 687	31
AHS accessory	Coupling kit for OptiPac MR290 with existing oil or gas boiler, including zone valve and temperature sensor.	900 674	195

OptiPac MR290 with floor-standing indoor unit + integrated DHW – OPP63



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model based on the required power**			
>	OptiPac MR290 4 Single B150-R	52	**920 560**	**8 260**
>	OptiPac MR290 7 Single B150-R		**920 561**	**8 860**
>	OptiPac MR290 9 Single B150-R		**920 562**	**9 360**
>	OptiPac MR290 12 Single B150-R		**920 563**	**10 460**
>	OptiPac MR290 16 Single B150-R		**920 564**	**12 060**
>	OptiPac MR290 12 Three B150-R		**920 565**	**10 860**
>	OptiPac MR290 16 Three B150-R		**920 566**	**12 460**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	52	**900 639**	**495**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit n°1 – Direct hydraulic module MHS without circulating pump (as it is factory-fitted)**			
>	MHS	210	**900 445**	**279**
351	**Mandatory choice of room thermostat type for circuit 1**			
>	TH4 – Wired	214	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
401	**If Heating circuit no.2 – Hydraulic modules**			
>	MH2X (for two circuits with different T°)	212	**900 493**	**541**
>	MHD		**900 420**	**421**
451	**Mandatory choice of room thermostat type for circuit 2**			
>	TH4 – Wired	214	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**

Delivery starting from July 2025

High-temperature Air/Water Heat Pumps – Connect version with floor-standing indoor unit – heating only

OptiPac MR290 C-RC7

Heating · Cooling · DHW

kW **Heat pump output: 4 to 16 kW**
Backup heater: 3 kW or 3×3 kW

COP up to 5,15 · 29 dB · Temp. up to 75°C

ENERGY A+++ · R290

Description	Designation OptiPac MR290	Heat Pump kW	Power supply.	SEER	Ref	€ Excl. tax
Outdoor unit includes: ● Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, Panasonic DC inverter fan motor, R290 air heat exchanger with weather protection, and R290-to-water plate heat exchanger ● Hydraulic circuit with DC inverter circulating pump, 6-litre expansion vessel, safety valve, and 1" M diameter flow and return connections ● Degassing vessel ● Electric back-up heater: 3 kW (single-phase version) or 3 × 3 kW (three-phase version) ● Easy-access connection box ● DHW sensor ● Anti-frost heating cable in the condensate tray **Indoor unit includes:** ● 80-litre internal hydraulic volume ● RC7: Class VII regulation with outdoor sensor and indoor compensation sensor. Local control via Bluetooth or Internet, and remote control via Internet ● 14-litre expansion vessel ● Circulating pump for circuit no.1 ● Electric back-up heaters: 3, 6 or 9 kW (single-phase), or 3 × 3 kW (three-phase) ● Floor-standing indoor unit with rear-facing hydraulic connections, ideal for replacing a floor-standing boiler ● Hydraulic connection not supplied **Communication:** ● PLC kit: 2 PLC adapters and 2 × 2.00 m RJ45 cables **Packing:** ● 1 × Outdoor unit ● 1 × Indoor unit C	4 Single C-RC7 Connect	4	Single-phase	200	920 740	7 320
	7 Single C-RC7 Connect	7	Single-phase	206	920 741	7 920
	9 Single C-RC7 Connect	9	Single-phase	185	920 742	8 420
	12 Single C-RC7 Connect	12	Single-phase	190	920 743	9 520
	16 Single C-RC7 Connect	16	Single-phase	182	920 744	11 120
	12 Three C-RC7 Connect	12	Three-phase	190	920 745	9 920
	16 Three C-RC7 Connect	16	Three-phase	182	920 746	11 520

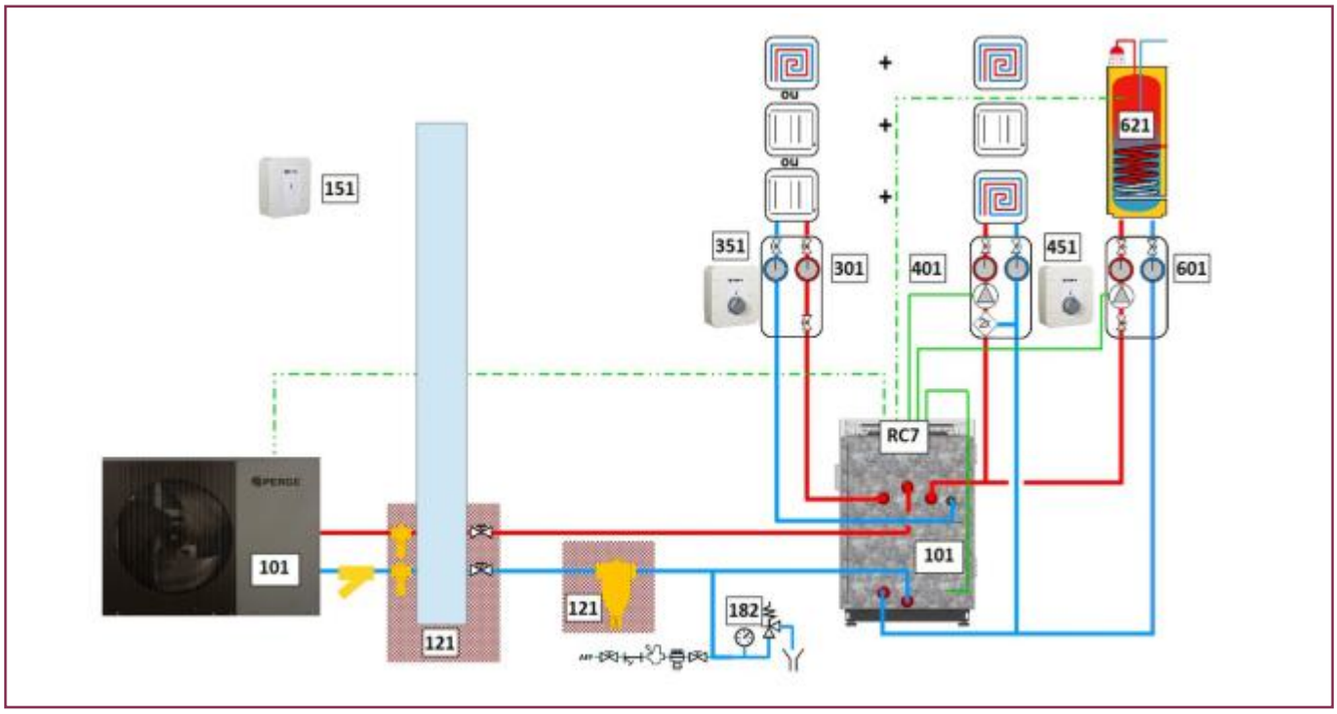
OptiPac MR290 -R : Mandatory Accessories: 1 room sensor per heating circuit, 1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
C+ Wired Outdoor Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 600	60
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	900 601	115
C+ Wired Room Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 602	60
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	900 601	115
C+ Wired Room Sensor with Manual Comfort Adjustment	Connection via 2 wires, 0.75 mm² max. – not supplied. Manual comfort temperature setting.	900 604	80
C+ Radio Room Sensor with Manual Comfort Adjustment	Supplied with batteries. Manual comfort temperature setting.	900 605	138
Outdoor unit protection kit	Outdoor unit protection kit includes: 2 x 1" male anti-freeze safety valves, 2 x shut-off valves,1 sludge separator with magnetic filter	900 639	495

OptiPac MR290 -R : Specific Optional Equipment

Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulating pump Direct hydraulic module Hydraulic module with Duotherm	900 445 900 420 900 493	279 421 541
Pressure valve with manometer	Pressure valve with manometer	900 404	23

OptiPac MR290 with floor-standing indoor unit RC7 – OPP64



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR290 4 Single C-RC7 Connect	54	**920 740**	**7 320**
>	OptiPac MR290 7 Single C-RC7 Connect		**920 741**	**7 920**
>	OptiPac MR290 9 Single C-RC7 Connect		**920 742**	**8 420**
>	OptiPac MR290 12 Single C-RC7 Connect		**920 743**	**9 520**
>	OptiPac MR290 16 Single C-RC7 Connect		**920 744**	**11 120**
>	OptiPac MR290 12 Three C-RC7 Connect		**920 745**	**9 920**
>	OptiPac MR290 16 Three C-RC7 Connect		**920 746**	**11 520**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	54	**900 639**	**495**
151	**Mandatory choice of outdoor sensor type**			
>	C+ Outdoor Sensor – Wired (C+ – F)	54	**900 600**	**60**
>	C+ Outdoor/Room Sensor – Radio (C+ – R)		**900 601**	**115**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit n°1 – Direct hydraulic module MHS without circulating pump (as it is factory-fitted)**			
>	MHS	210	**900 445**	**279**
351	**Mandatory choice of room sensor type for circuit no.1**			
>	C+ Room Sensor - Wired	54	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If Heating circuit no.2 – selection of hydraulic module**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**

N°	Designation	Page	Ref	€ Excl. tax
451	**Mandatory choice of room sensor type for circuit no.2**			
>	C+ Room Sensor - Wired	54	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**– DHW hydraulic module with circulating pump and DHW sensor – Or DHW temperature sensor only, if an existing DHW charge pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	Temperature sensor		**992 041**	**12**
621	**Selection of the DHW cylinder according to its capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

Delivery starting from July 2025

High-temperature Air/Water Heat Pumps – Connect version with floor-standing indoor unit – heating + DHW

OptiPac MR290 B150-RC7

Heating | Cooling | DHW

kW

Heat pump output: 4 to 16 kW
Backup heater: 3 kW or 3×3 kW

COP up to 5,15 | 29 dB | Temp. up to 75°C

ENERGY A+++ | R290

Description	Designation OptiPac MR290	Heat Pump kW	Power supply	SEER	Ref	€ Excl. tax
Outdoor unit including: - Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, Panasonic DC inverter fan motor, R290 air-R290 exchanger with weather and salt protection, R290 water plate exchanger - Hydraulic circuit with DC inverter circulating pump, 6-litre expansion vessel, safety valve, flow and return connections 1"M - Degassing cylinder - Electric back-up heater (3 kW single-phase, 3x3 kW three-phase) - Easy-access connection box - DHW sensor - Anti-frost heating cable in condensate tray - **Indoor unit including:** - Internal hydraulic volume of 80 litres - RC7: Class VII controller with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, or remote control via internet - 14-litre expansion vessel - Circulating pump for heating circuit No. 1 - 150-litre stainless steel domestic hot water cylinder - DHW charge pump - Electric back-up heaters 3, 6 or 9 kW (single-phase) or 3 x 3 kW (three-phase) - The indoor unit, floor-mounted, features rear hydraulic connections to the installation, particularly suitable for replacing a floor-standing boiler. **Hydraulic connection not supplied** **Communication:** - PLC kit: 2 PLC sockets and 2 RJ45 cables, 2.00 m long - Packaging: 1 x Outdoor unit 1 x Indoor unit B150	4 Single B150-RC7 Connect	4	Single	200	920 760	8 980
	7 Single B150-RC7 Connect	7	Single	206	920 761	9 580
	9 Single B150-RC7 Connect	9	Single	185	920 762	10 080
	12 Single B150-RC7 Connect	12	Single	190	920 763	11 180
	16 Single B150-RC7 Connect	16	Single	182	920 764	12 780
	12 Three B150-RC7 Connect	12	Three	190	920 765	11 580
	16 Three B150-RC7 Connect	16	Three	182	920 766	13 180

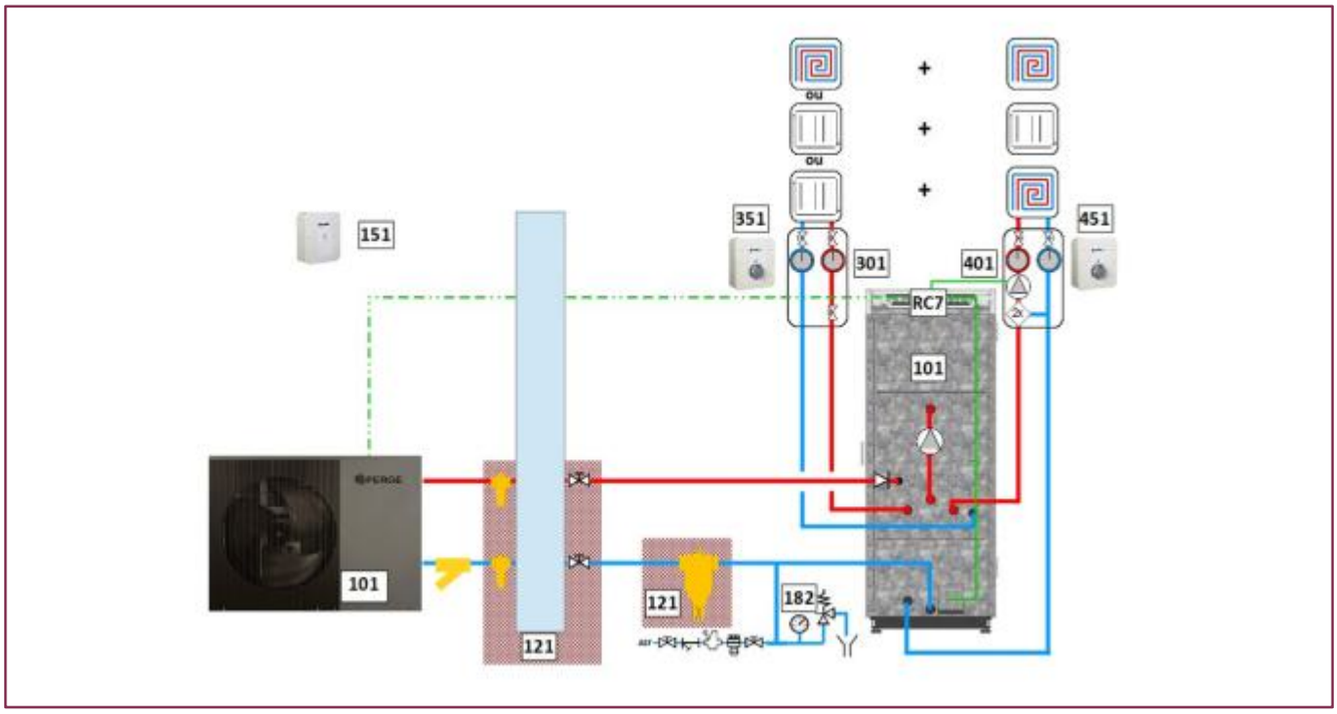
OptiPac MR290 -R : Mandatory Accessories: 1 room sensor per heating circuit,1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
C+ Wired Outdoor Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 600	60
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	900 601	115
C+ Wired Room Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 602	60
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	900 601	115
C+ Wired Room Sensor with Manual Comfort Adjustment	Connection via 2 wires, 0.75 mm² max. – not supplied. Manual comfort temperature setting.	900 604	80
C+ Radio Room Sensor with Manual Comfort Adjustment	Supplied with batteries. Manual comfort temperature setting.	900 605	138
Outdoor unit protection kit	Outdoor unit protection kit includes: 2 x 1" male anti-freeze safety valves, 2 x shut-off valves,1 sludge separator with magnetic filter	900 639	495

OptiPac MR290 -R : Specific Optional Equipment

Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulating pump Direct hydraulic module Hydraulic module with Duotherm	900 445 900 420 900 493	279 421 541
Pressure valve with manometer	Pressure valve with manometer	900 404	23

OptiPac MR290 with floor-standing indoor unit RC7 + integrated DHW – OPP65



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model based on the required power**			
>	OptiPac MR290 4 Single B150-RC7 Connect	56	**920 760**	**8 980**
>	OptiPac MR290 7 Single B150-RC7 Connect		**920 761**	**9 580**
>	OptiPac MR290 9 Single B150-RC7 Connect		**920 762**	**10 080**
>	OptiPac MR290 12 Single B150-RC7 Connect		**920 763**	**11 180**
>	OptiPac MR290 16 Single B150-RC7 Connect		**920 764**	**12 780**
>	OptiPac MR290 12 Three B150-RC7 Connect		**920 765**	**11 580**
>	OptiPac MR290 16 Three B150-RC7 Connect		**920 766**	**13 180**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	56	**900 639**	**495**
151	**Mandatory choice of outdoor sensor type**			
>	C+ Outdoor Sensor – Wired (C+ – F)	56	**900 600**	**60**
>	C+ Outdoor/Room Sensor – Radio (C+ – R)		**900 601**	**115**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit no.1 – Direct hydraulic module MHS without circulating pump (factory-fitted)**			
>	MHS	210	**900 445**	**279**
351	**Mandatory choice of room sensor type for circuit no.1**			
>	C+ Room Sensor - Wired	56	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If Heating circuit no.2 – selection of hydraulic module**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
451	**Mandatory choice of room sensor type for circuit no.2**			
>	C+ Room Sensor - Wired	56	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**

Delivery starting from July 2025

High-temperature Air/Water Heat Pumps with wall-mounted indoor unit – heating only

OptiPac MR290 M-RC7

Heating · Cooling · DHW

kW **Heat pump output: 4 to 16 kW**
Backup heater: 3 kW or 3×3 kW

COP up to 5,15 · 29 dB · Temp. up to 75°C

ENERGY A+++ · R290

Description	Designation OptiPac MR290	Heat Pump kW	Heat Pump Power supply	SEER	Ref	€ Excl. tax
Outdoor unit includes: - Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, Panasonic DC inverter fan motor, R290 air heat exchanger with weather protection, and R290-to-water plate heat exchanger - Hydraulic circuit with DC inverter circulating pump, 6-litre expansion vessel, safety valve, and 1" M diameter flow and return connections - Degassing vessel - Electric back-up heater: 3 kW (single-phase version) or 3 x 3 kW (three-phase version) - Easy-access connection box - DHW sensor - Anti-frost heating cable in the condensate tray **Indoor unit includes:** - 45-litre internal hydraulic volume - RC7: Class VII controller with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet - 14-litre expansion vessel - Circulating pump for heating circuit no.1 - Electric back-up heaters: 3, 6 or 9 kW (single-phase), or 3 x 3 kW (three-phase) - Wall-mounted indoor unit with hydraulic connections accessible from the top and bottom – particularly suitable for replacing a wall-mounted boiler - Hydraulic connection not supplied **Communication:** - PLC kit: 2 PLC adapters and 2 × 2.00 m RJ45 cables **Packing:**1 × Outdoor unit/1 × Indoor unit M	**4 Mono M-RC7 Connect**	**4**	**Single-phase**	**200**	**920 730**	**7 060**
	7 Mono M-RC7 Connect	**7**	**Single-phase**	**206**	**920 731**	**7 660**
	9 Mono M-RC7 Connect	**9**	**Single-phase**	**185**	**920 732**	**8 160**
	12 Mono M-RC7 Connect	**12**	**Single-phase**	**190**	**920 733**	**9 260**
	16 Mono M-RC7 Connect	**16**	**Single-phase**	**182**	**920 734**	**10 860**
	12 Tri M-RC7 Connect	**12**	**Three-phase**	**190**	**920 735**	**9 660**
	16 Tri M-RC7 Connect	**16**	**Three-phase**	**182**	**920 736**	**11 260**

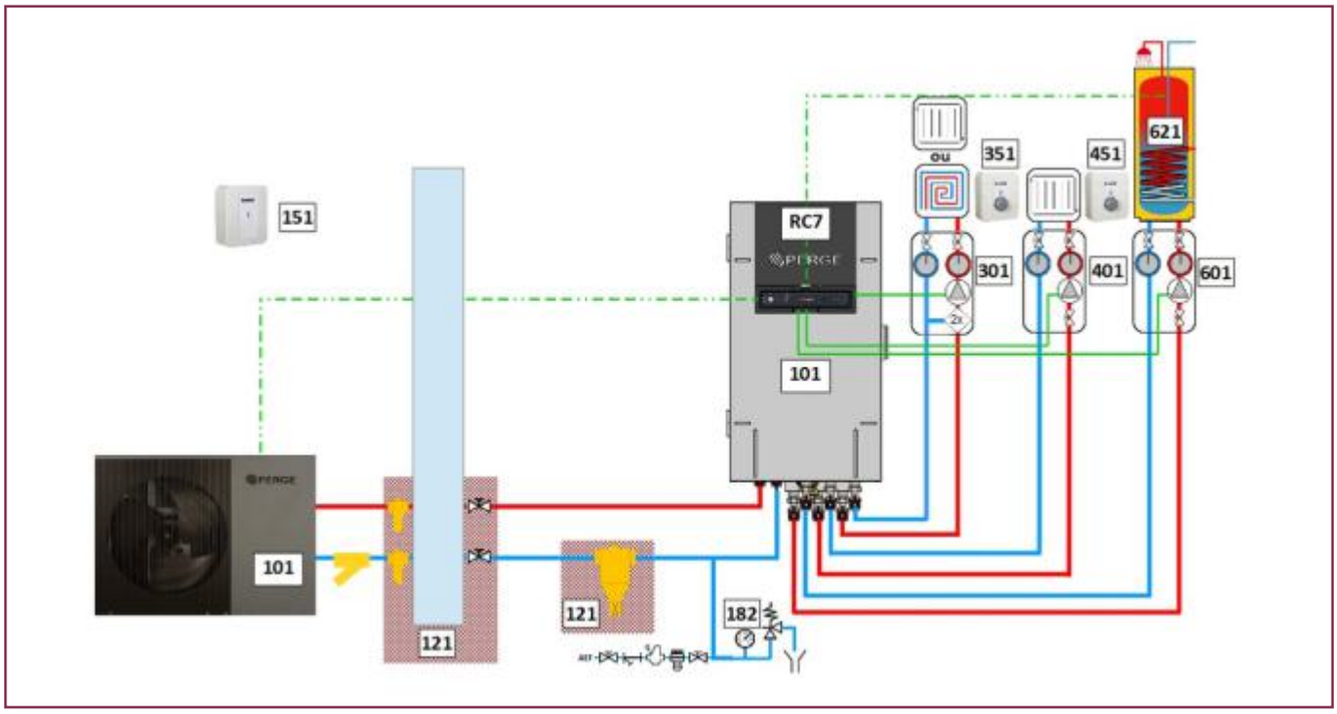
OptiPac MR290 -R : Mandatory Accessories: 1 room sensor per heating circuit,1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
C+ Wired Outdoor Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	**900 600**	**60**
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	**900 601**	**115**
C+ Wired Room Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	**900 602**	**60**
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	**900 601**	**115**
C+ Wired Room Sensor with Manual Comfort Adjustment	Connection via 2 wires, 0.75 mm² max. – not supplied. Manual comfort temperature setting.	**900 604**	**80**
C+ Radio Room Sensor with Manual Comfort Adjustment	Supplied with batteries. Manual comfort temperature setting.	**900 605**	**138**
Outdoor unit protection kit	Outdoor unit protection kit includes: 2 x 1" male anti-freeze safety valves, 2 x shut-off valves,1 sludge separator with magnetic filter	**900 639**	**495**

OptiPac MR290 -R : Specific Optional Equipment

Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulating pump Direct hydraulic module Hydraulic module with Duotherm	**900 445** **900 420** **900 493**	**279** **421** **541**
Pressure valve with manometer	Pressure valve with manometer	**900 404**	**23**
PE	DHW cylinder (see page 211)		
Spacer Frame M	Support frame for BDME 45 buffer tank or M-RC7 wall-mounted indoor unit, allowing an 8 cm spacing from the wall for heating pipework clearance.	**900 705**	**45**

OptiPac MR290 with wall-mounted indoor unit RC7 – OPP66



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR290 4 Single M-RC7 Connect	58	**920 730**	**7 060**
>	OptiPac MR290 7 Single M-RC7 Connect		**920 731**	**7 660**
>	OptiPac MR290 9 Single M-RC7 Connect		**920 732**	**8 160**
>	OptiPac MR290 12 Single M-RC7 Connect		**920 733**	**9 260**
>	OptiPac MR290 16 Single M-RC7 Connect		**920 734**	**10 860**
>	OptiPac MR290 12 Three M-RC7 Connect		**920 735**	**9 660**
>	OptiPac MR290 16 Three M-RC7 Connect		**920 736**	**11 260**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	58	**900 639**	**495**
151	**Mandatory choice of outdoor sensor type**			
>	C+ Outdoor Sensor – Wired (C+ – F)	58	**900 600**	**60**
>	C+ Outdoor/Room Sensor – Radio (C+ – R)		**900 601**	**115**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit n°1 – Direct hydraulic module**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
351	**Mandatory choice of room sensor type for circuit no.1**			
>	C+ Room Sensor - Wired	58	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If Heating circuit no.2 – selection of hydraulic module**			
>	MHD	210	**900 420**	**421**
451	**Mandatory choice of room sensor type for circuit no.2**			
>	C+ Room Sensor - Wired	58	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**

N°	Designation	Page	Ref	€ Excl. tax
601	**– DHW hydraulic module with circulating pump and DHW sensor – Or DHW temperature sensor only, if an existing DHW charge pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	Temperature sensor		**992 041**	**12**
621	**Choix du préparateur ECS en fonction de sa capacité**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

Delivery starting from July 2025

High-temperature Air/Water Heat Pumps with wall-mounted indoor unit – heating + DHW

OptiPac MR290 B180-RC7

Heating | Cooling | DHW

Heat pump output: 4 to 16 kW
Backup heater: 3 kW or 3×3 kW

COP up to 5,15 | 29 dB | Temp. up to 75°C

ENERGY A+++ | R290

Description	Designation OptiPac MR290	Heat Pump kW	Heat Pump Power supply	SEER	Ref	€ Excl. tax
Outdoor unit includes: ● Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, liquid cut-off cylinder, electronic expansion valve, Panasonic DC inverter fan motor, R290 air heat exchanger with weather protection, and R290-to-water plate heat exchanger ● Hydraulic circuit with DC inverter circulating pump, 6-litre expansion vessel, safety valve, and 1" M diameter flow and return connections ● Degassing vessel ● Electric back-up heater: 3 kW (single-phase version) or 3 × 3 kW (three-phase version) ● Easy-access connection box ● DHW sensor ● Anti-frost heating cable in the condensate tray **Indoor unit includes:** ● 45-litre internal hydraulic volume ● RC7: Class VII regulation with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet ● 14-litre expansion vessel ● Circulating pump for heating circuit no.1 ● 180-litre stainless steel domestic hot water tank ● DHW charge pump ● Electric back-up heaters: 3, 6 or 9 kW (single-phase) or 3 × 3 kW (three-phase) ● Optional 3 kW electric heater in the DHW tank ● Wall-mounted indoor unit with hydraulic connections accessible from both top and bottom – ideal for replacing a wall-mounted boiler ● Hydraulic connection not supplied **Communication:** ● PLC kit: 2 PLC adapters and 2 × 2.00 m RJ45 cables **Packing:** 1 × Outdoor unit/1 × Indoor unit B180	4 Single B180-RC7 Connect	4	Single-phase	200	920 750	9 220
	7 Single B180-RC7 Connect	7	Single-phase	206	920 751	9 820
	9 Single B180-RC7 Connect	9	Single-phase	185	920 752	10 320
	12 Single B180-RC7 Connect	12	Single-phase	190	920 753	11 420
	16 Single B180-RC7 Connect	16	Single-phase	182	920 754	13 020
	12 Three B180-RC7 Connect	12	Three-phase	190	920 755	11 820
	16 Three B180-RC7 Connect	16	Three-phase	182	920 756	13 420

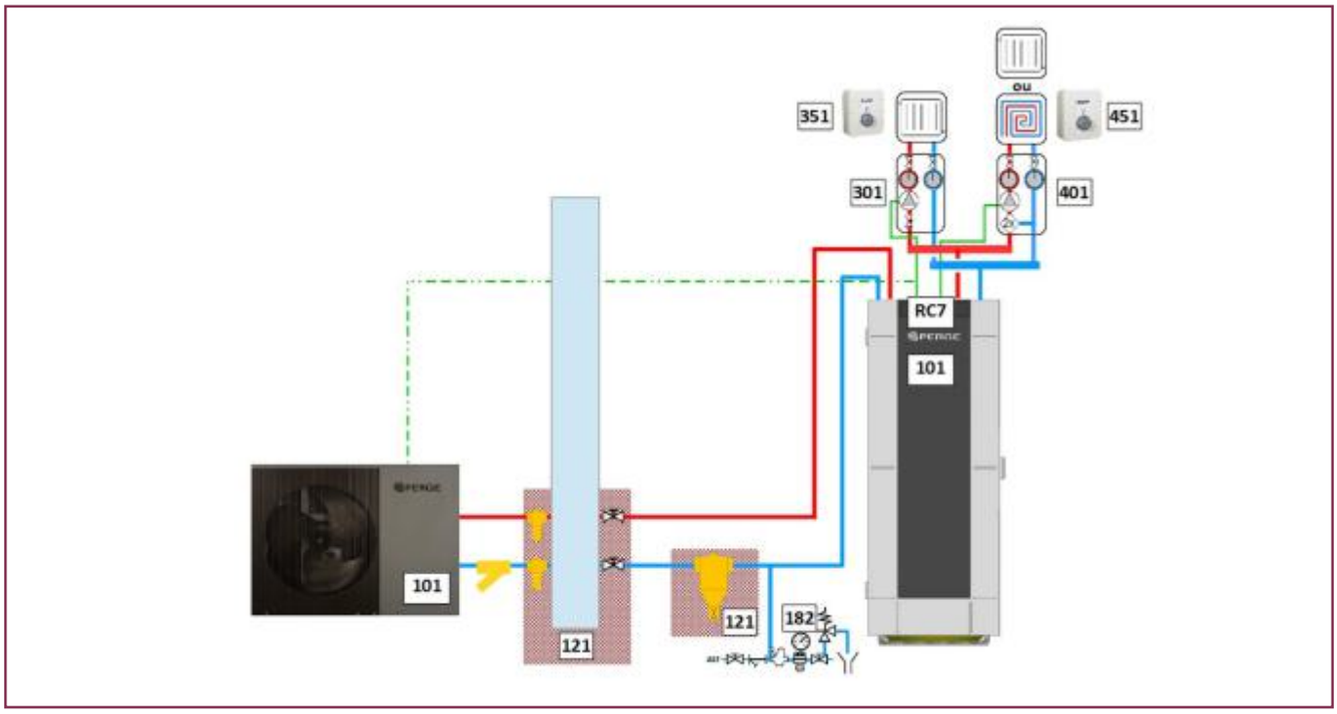
OptiPac MR290 -R : Mandatory Accessories: 1 room sensor per heating circuit,1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
C+ Wired Outdoor Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 600	60
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	900 601	115
C+ Wired Room Sensor	Connection via 2 wires, 0.75 mm² max. – not supplied.	900 602	60
C+ Radio Outdoor or Room Sensor	Supplied with batteries.	900 601	115
C+ Wired Room Sensor with Manual Comfort Adjustment	Connection via 2 wires, 0.75 mm² max. – not supplied. Manual comfort temperature setting.	900 604	80
C+ Radio Room Sensor with Manual Comfort Adjustment	Supplied with batteries. Manual comfort temperature setting.	900 605	138
Outdoor unit protection kit	Outdoor unit protection kit includes: 2 x 1" male anti-freeze safety valves, 2 x shut-off valves,1 sludge separator with magnetic filter	900 639	495

OptiPac MR290 -R : Specific Optional Equipment

Designation	Description	Ref	€ Excl. tax
MHS **MHD** **MH2X**	Hydraulic module without circulating pump Direct hydraulic module Hydraulic module with Duotherm	900 445 900 420 900 493	279 421 541
Pressure valve with manometer	Pressure valve with manometer	900 404	23
Spacer Frame B180	Support frame for B180-RC7 indoor unit, allowing an 8 cm spacing from the wall for heating pipework clearance.	900 706	90

OptiPac MR290 with wall-mounted indoor unit RC7 + integrated DHW – OPP67

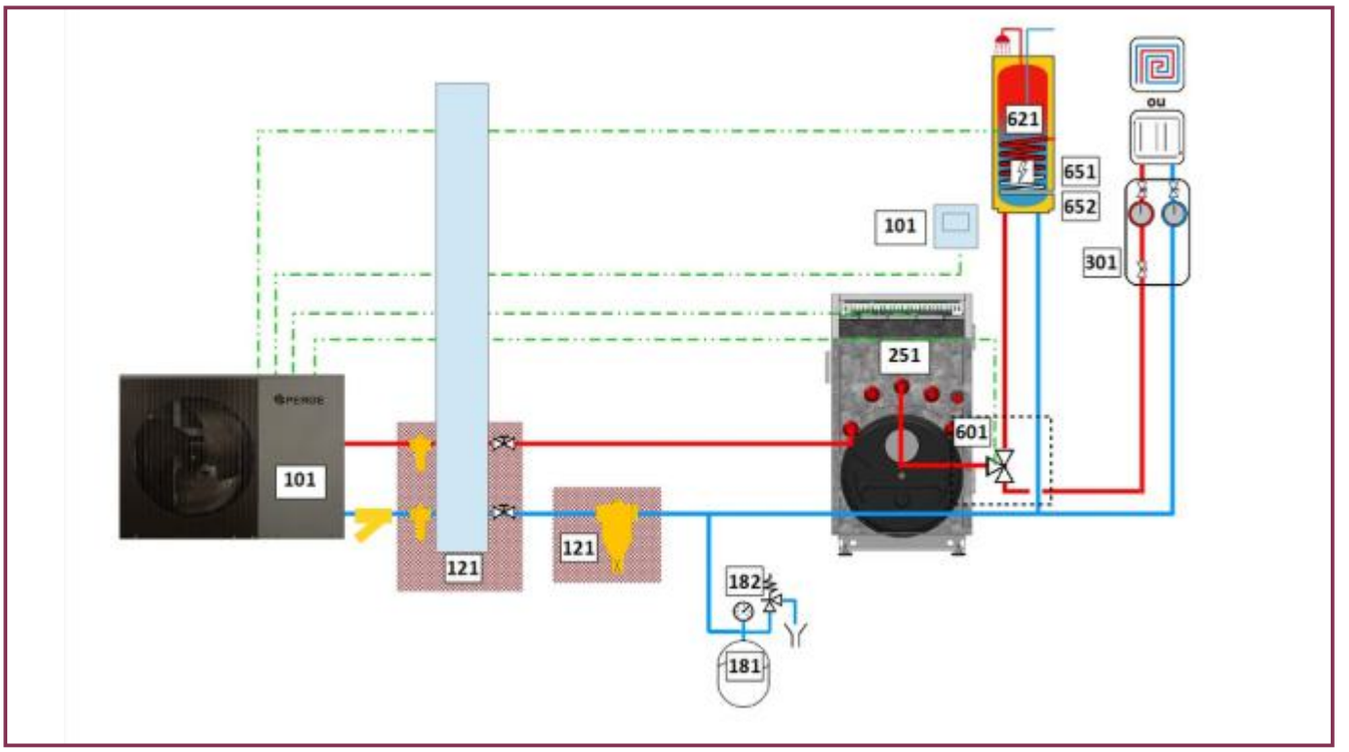


N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR290 4 Single B180-RC7 Connect	60	**920 750**	**9 220**
>	OptiPac MR290 7 Single B180-RC7 Connect		**920 751**	**9 820**
>	OptiPac MR290 9 Single B180-RC7 Connect		**920 752**	**10 320**
>	OptiPac MR290 12 Single B180-RC7 Connect		**920 753**	**11 420**
>	OptiPac MR290 16 Single B180-RC7 Connect		**920 754**	**13 020**
>	OptiPac MR290 12 Three B180-RC7 Connect		**920 755**	**11 820**
>	OptiPac MR290 16 Three B180-RC7 Connect		**920 756**	**13 420**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	60	**900 639**	**495**
151	**Mandatory choice of outdoor sensor type**			
>	C+ Outdoor Sensor – Wired (C+ – F)	60	**900 600**	**60**
>	C+ Outdoor/Room Sensor – Radio (C+ – R)		**900 601**	**115**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
301	**Heating circuit n°1 – Direct hydraulic**			
>	MHD	210	**900 420**	**421**
351	**Mandatory choice of room sensor type for circuit no.1**			
>	C+ Room Sensor - Wired	60	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If Heating circuit no.2 – selection of hydraulic module**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
451	**Mandatory choice of room sensor type for circuit no.2**			
>	C+ Room Sensor - Wired	60	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**

Cost Estimation Support – OptiPac MR290 Couplings – Table of Contents

Possible Couplings

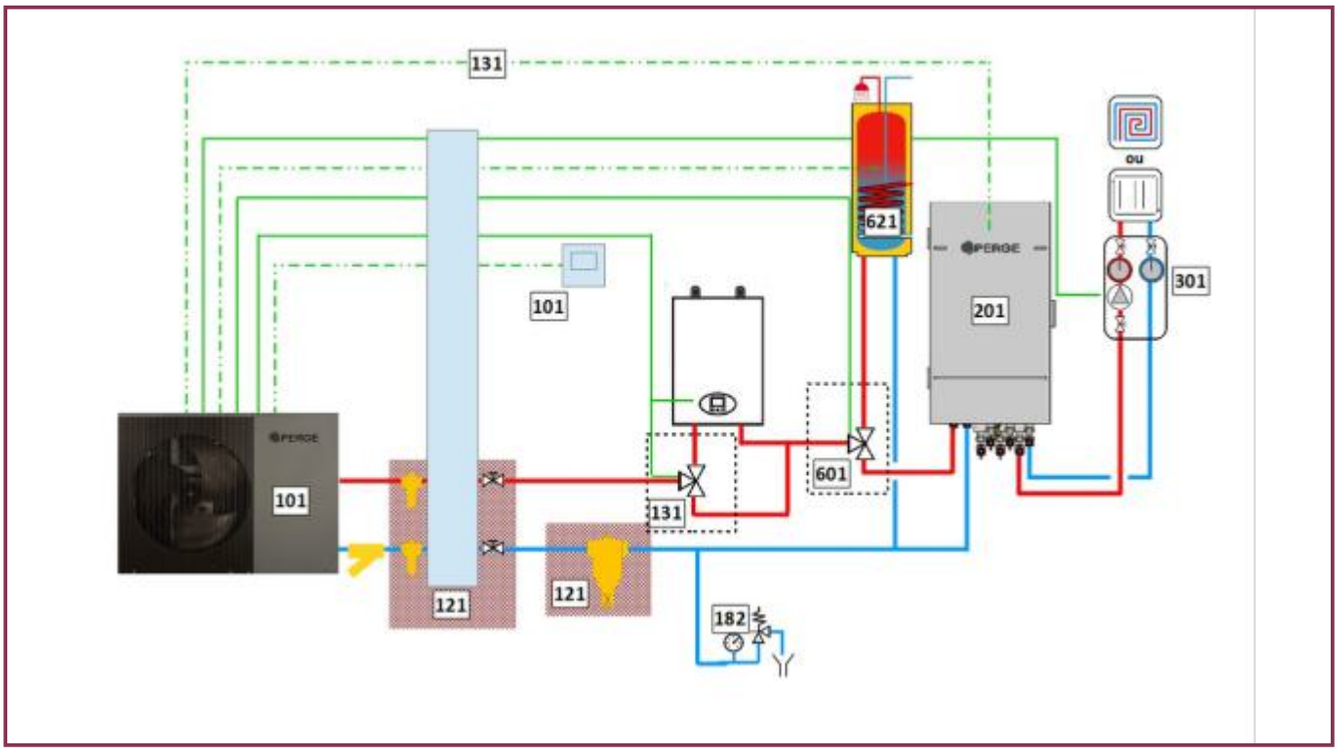
OptiPac MR290 coupled with a bio-oil boiler Optitherm - OPP91



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR290 4 Single-phase -R	46	**920 520**	**4 890**
>	OptiPac MR290 7 Single-phase -R		**920 521**	**5 490**
>	OptiPac MR290 9 Single-phase -R		**920 522**	**5 990**
>	OptiPac MR290 12 Single-phase -R		**920 523**	**7 090**
>	OptiPac MR290 16 Single-phase -R		**920 524**	**8 690**
>	OptiPac MR290 12 Three-phase -R		**920 525**	**7 490**
>	OptiPac MR290 16 Three-phase -R		**920 526**	**9 090**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	46	**900 639**	**495**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Réf	€ Excl. tax
251	**Selection of boiler model according to required output**			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
301	**Heating circuit no.1 – Direct hydraulic module MHS without circulating pump (circulator integrated in the heat pump)**			
>	MHS	210	**900 445**	**279**
351	**Selection of room thermostat type for circuit no.1**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**
601	**If DHW (Domestic Hot Water) is required, zone valve is mandatory**			
>	Zone valve	46	**990 839**	**164**
621	**Selection of DHW cylinder according to required capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

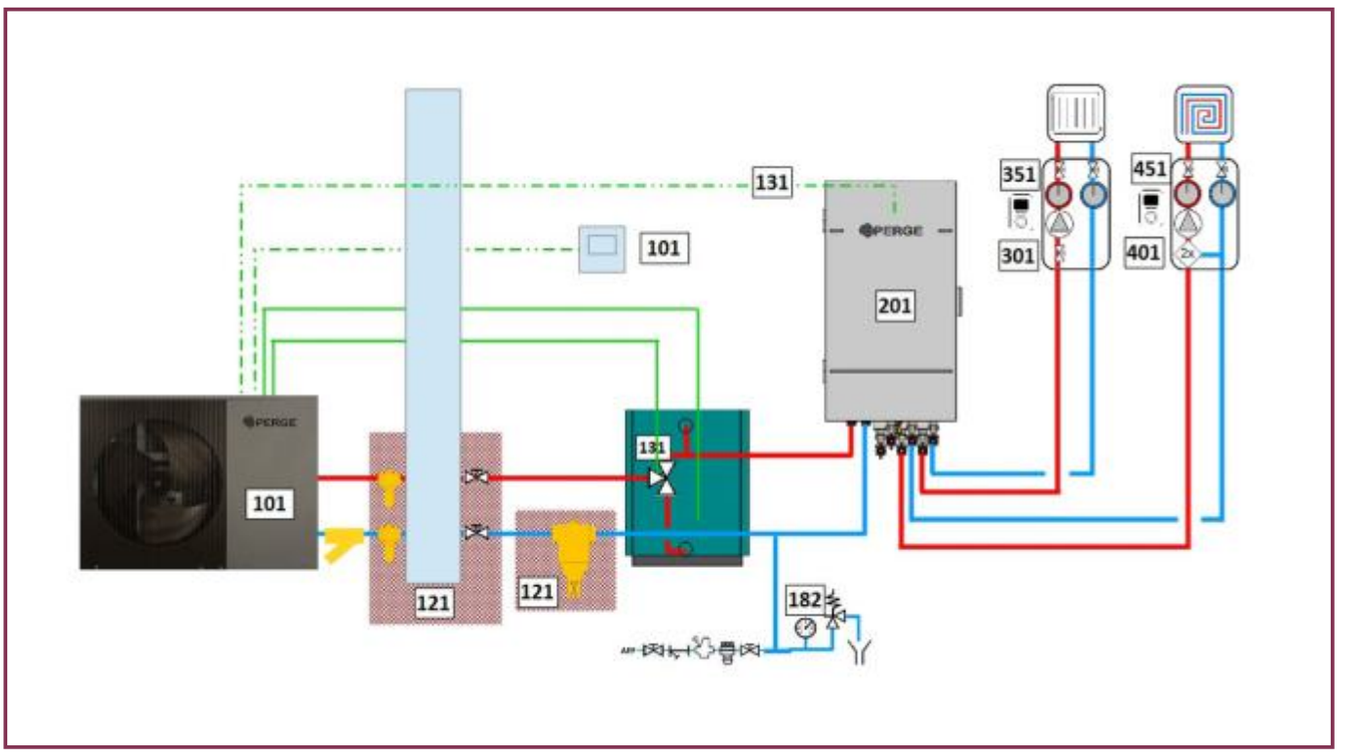
OptiPac MR290 coupled with a wall-mounted gas boiler – OPP96



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR290 4 Single-phase -R	46	**920 520**	**4 890**
>	OptiPac MR290 7 Single-phase -R		**920 521**	**5 490**
>	OptiPac MR290 9 Single-phase -R		**920 522**	**5 990**
>	OptiPac MR290 12 Single-phase -R		**920 523**	**7 090**
>	OptiPac MR290 16 Single-phase -R		**920 524**	**8 690**
>	OptiPac MR290 12 Three-phase -R		**920 525**	**7 490**
>	OptiPac MR290 16 Three-phase -R		**920 526**	**9 090**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	46	**900 639**	**495**
131	**AHS accessory**			
>	AHS accessory	46	**900 674**	**195**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
201	**Selection of hydraulic separator**			
>	BDME 45	46	**900 704**	**890**
301	**Heating circuit no.1 – Direct hydraulic module MHD**			
>	MHD	210	**900 420**	**421**

N°	Designation	Page	Ref	€ Excl. tax
601	**If DHW is required, zone valve is mandatory**			
>	Zone valve	46	**990 839**	**164**
621	**Selection of DHW cylinder according to required capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

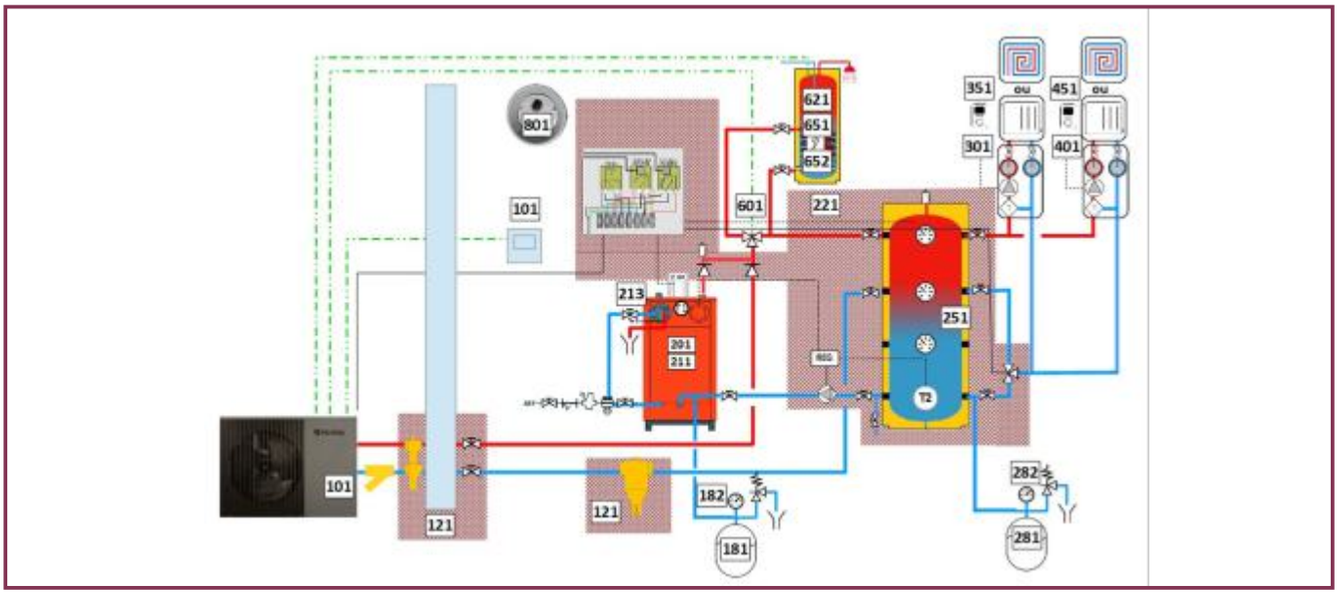
OptiPac MR290 coupled with an existing oil boiler – OPP95



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR290 4 Single-phase -R	46	**920 520**	**4 890**
>	OptiPac MR290 7 Single-phase -R		**920 521**	**5 490**
>	OptiPac MR290 9 Single-phase -R		**920 522**	**5 990**
>	OptiPac MR290 12 Single-phase -R		**920 523**	**7 090**
>	OptiPac MR290 16 Single-phase -R		**920 524**	**8 690**
>	OptiPac MR290 12 Three-phase -R		**920 525**	**7 490**
>	OptiPac MR290 16 Three-phase -R		**920 526**	**9 090**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	46	**900 639**	**495**
131	**AHS accessory**			
>	AHS accessory	46	**900 674**	**195**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
201	**Selection of hydraulic separator tank**			
>	BDME 45	46	**900 704**	**890**
301	**Heating circuit n°1 – Direct hydraulic module MHS without circulating pump (factory-fitted)**			
>	MHD	210	**900 420**	**421**
351	**Mandatory choice of room thermostat type for circuit n°1**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**

N°	Designation	Page	Ref	€ Excl. tax
401	**If Heating circuit no.2 – Direct hydraulic module MHD**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
451	**Mandatory choice of room thermostat type for circuit n°2**			
>	TH4 – Wired	212	**900 470**	**67**
>	TH4 – Wireless		**900 471**	**175**

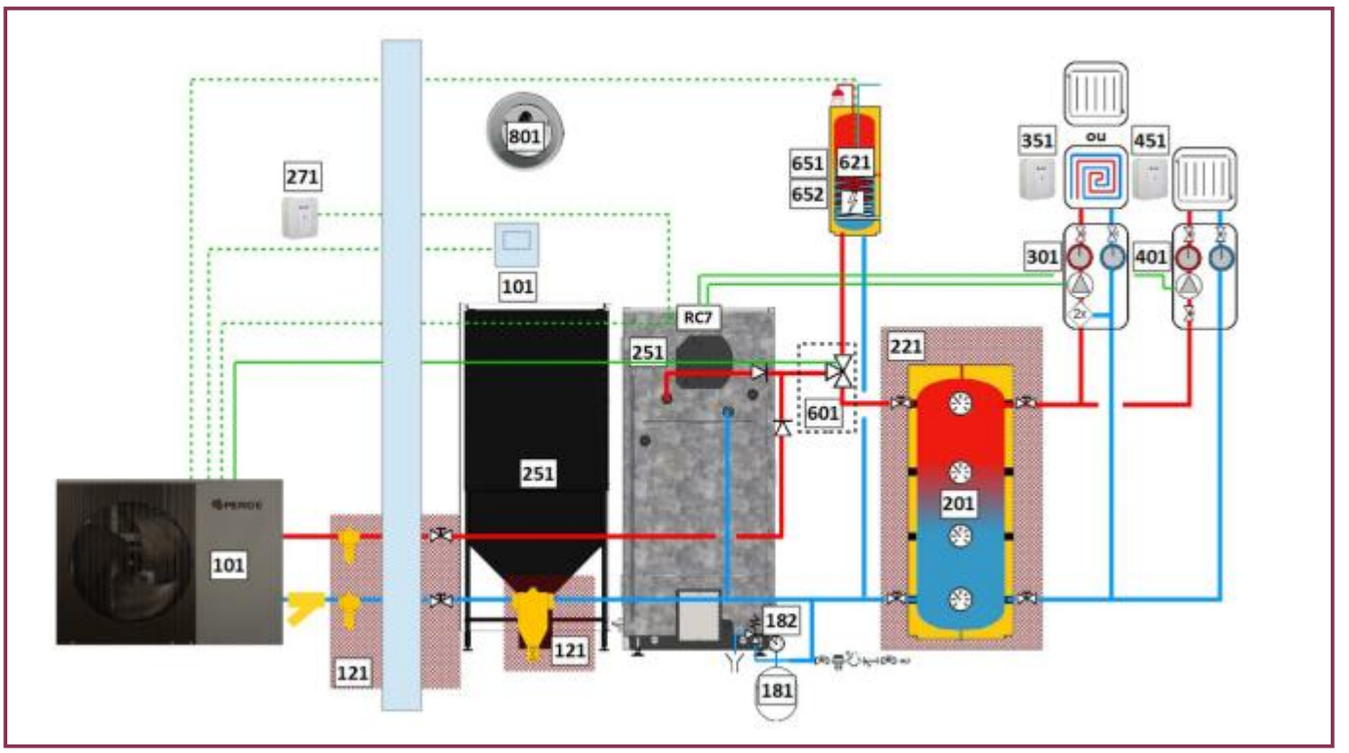
OptiPac MR290 coupled with a wood boiler MC Classic – OPP81



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR290 4 Single-phase -R	46	**920 520**	**4 890**
>	OptiPac MR290 7 Single-phase -R		**920 521**	**5 490**
>	OptiPac MR290 9 Single-phase -R		**920 522**	**5 990**
>	OptiPac MR290 12 Single-phase -R		**920 523**	**7 090**
>	OptiPac MR290 16 Single-phase -R		**920 524**	**8 690**
>	OptiPac MR290 12 Three-phase -R		**920 525**	**7 490**
>	OptiPac MR290 16 Three-phase -R		**920 526**	**9 090**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	46	**900 639**	**495**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Selection of boiler body according to required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
>	MC 15.40 Classic		**902 032**	**5 790**
211	**Selection of jacket according to boiler body**			
>	MC 5.20 Classic Casing	138	**902 028**	**396**
>	MC 5.30 Classic Casing		**902 031**	**491**
>	MC 15.40 Classic Casing		**902 033**	**407**
213	**Thermal safety valve**			
>	SST (If using MC 15.40, install 2 SST units)	132	**900 285**	**141**
221	**Accessories for connection to buffer tank**			
>	MBP	208	**900 661**	**1 543**
251	**Selection of buffer tank**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
281	**Selection of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**

N°	Designation	Page	Ref	€ Excl. tax
282	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for 35-litre expansion vessel only)		**900 564**	**97**
301	**Heating circuit n°1 – Hydraulic modules**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 20/45		**900 476**	**626**
>	MHE		**900 611**	**985**
351	**Heating circuit n°1 – Wired or wireless room thermostat**			
>	TH4-F Wired (for use with MHT)	212	**900 470**	**67**
>	TH4-R Wireless (for use with MHT)		**900 471**	**175**
401	**Heating circuit no.2 – Hydraulic modules**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 20/45		**900 476**	**626**
>	MHE		**900 611**	**985**
451	**Heating circuit no.2 – Wired or wireless room thermostat**			
>	TH4-F Wired (for use with MHT)	212	**900 470**	**67**
>	TH4-R Wireless (for use with MHT)		**900 471**	**175**
601	**Zone valve – mandatory**			
>	Zone valve	46	**990 839**	**164**
621	**Selection of the DHW cylinder according to its capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If mixed electric DHW tank selection of immersion heater according to power rating and electrical supply type**			
>	TR30 - 3,0 kW Single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW Single-phase		**900 446**	**427**
>	TR60 - 6,0 kW Single-phase		**900 447**	**773**
>	TR30 - 3,0 kW Three-phase		**900 555**	**490**
>	TR45 - 4,5 kW Three-phase		**900 448**	**543**
>	TR60 - 6,0 kW Three-phase		**900 449**	**559**
652	**Flange required if TR-type immersion heater**			
>	TR/PE Flange	209	**900 450**	**65**
801	**Draft stabilizer**			
>	MT180 – diameter 180 mm	212	**900 467**	**247**

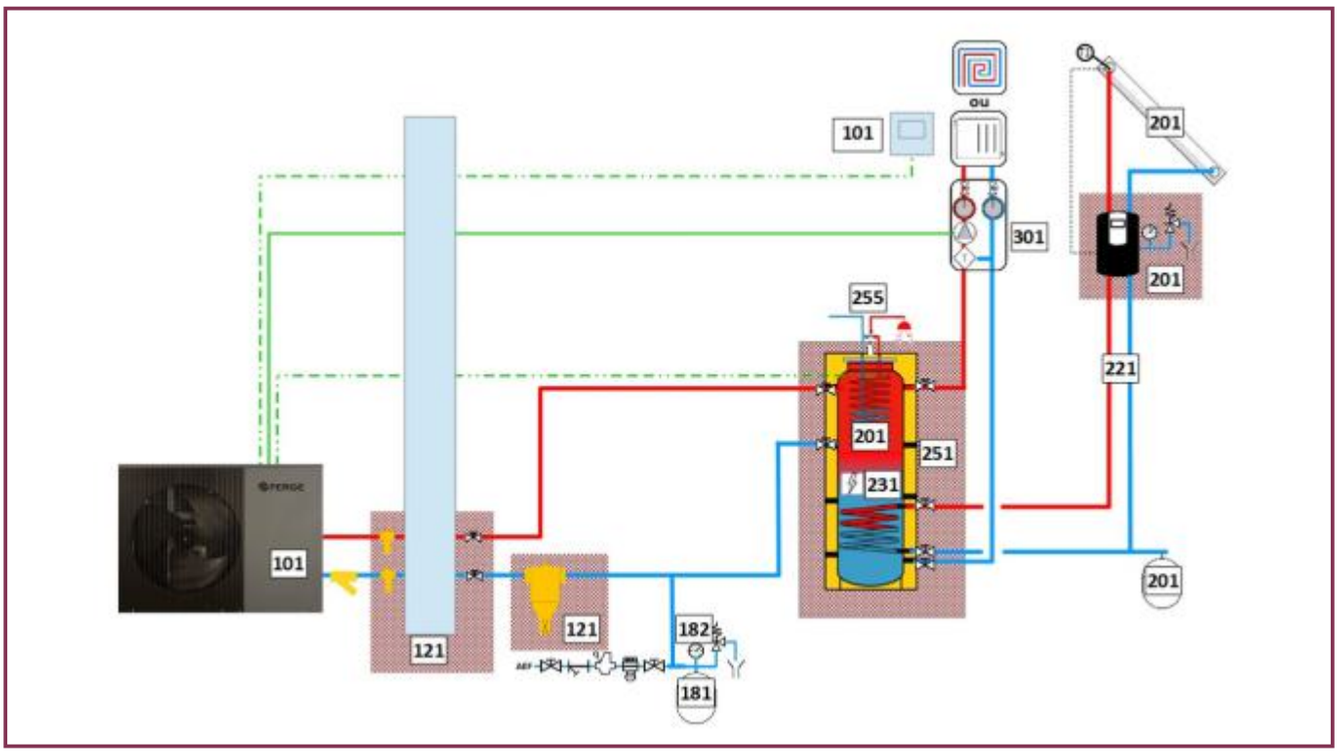
OptiPac MR290 coupled with a pellet boiler OptiPellet – OPP84



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the required output**			
>	OptiPac MR290 4 Single-phase -R	46	920 520	4 890
>	OptiPac MR290 7 Single-phase -R		920 521	5 490
>	OptiPac MR290 9 Single-phase -R		920 522	5 990
>	OptiPac MR290 12 Single-phase -R		920 523	7 090
>	OptiPac MR290 16 Single-phase -R		920 524	8 690
>	OptiPac MR290 12 Three-phase -R		920 525	7 490
>	OptiPac MR290 16 Three-phase -R		920 526	9 090
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	46	900 639	495
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	900 370	55
>	24-litre vessel		900 365	65
>	35-litre vessel		900 366	109
>	50-litre vessel		900 367	129
182	**Selection of safety device**			
>	Pressure valve with manometer	211	900 404	23
>	PSRV bracket (for vessels up to 35 litres)		900 564	97
201	**Selection of hydraulic mixing tank**			
>	BM 100 Mixing Tank	206	900 620	704
>	BM 200 Mixing Tank		900 622	882
>	BM 300 Mixing Tank		900 623	1 111
221	**Accessories for connection to mixing tank**			
>	BM-3P Accessory (for BM100 and BM200)	206	900 671	297
>	BM-4P Accessory (for BM300)		900 672	331
251	**Selection of boiler model according to required output**			
>	OptiPellet 12kW C-DRC7 + Mini silo	107	902 850	9 980
>	OptiPellet 17kW C-DRC7 + Mini silo		902 851	10 180
>	OptiPellet 23kW C-DRC7 + Mini silo		902 852	10 680
>	OptiPellet 33kW C-DRC7 + Mini silo		902 853	11 180
>	OptiPellet 45kW C-DRC7 + Mini silo		902 854	12 180
271	**Mandatory choice of outdoor sensor type**			
>	C+ Outdoor Sensor – Wired	46	900 600	60
>	C+ Outdoor Sensor – Radio		900 601	115

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit n°1 – Hydraulic module**			
>	MH2X (for two circuits with different T°)	210	900 420	421
>	MHD		900 493	541
351	**Mandatory choice of room sensor type for circuit n°1**			
>	C+ Room Sensor - Wired	46	900 602	60
>	C+ Room sensor - Radio		900 601	115
>	Wired Room Sensor button		900 604	80
>	Radio Room Sensor button		900 605	138
401	**Heating circuit n°2 – Hydraulic module**			
>	MHD	210	900 420	421
451	**Mandatory choice of room sensor type for circuit n°2**			
>	C+ Room Sensor - Wired	46	900 602	60
>	C+ Room sensor - Radio		900 601	115
>	Wired Room Sensor button		900 604	80
>	Radio Room Sensor button		900 605	138
601	**If DHW is required, zone valve is mandatory**			
>	Zone valve	20	990 839	164
621	**Selection of DHW cylinder according to required capacity**			
>	PE 200/1S Heat pump 200 l	209	918 003	1 770
>	PE 300/1S Heat pump 300 l		918 004	2 470
>	PE 150/1S - Grey 150 l		900 479	1 435
>	PE 200/1S - Grey 200 l		900 475	1 576
>	PE 300/1S - Grey 300 l		900 606	1 762
>	PE 500/1S - Grey 500 l		900 624	2 236
651	**If electric mixed DHW tank selection of immersion heater according to power and electrical supply type**			
>	TR30 - 3,0 kW Single-phase	209	900 301	419
>	TR45 - 4,5 kW Single-phase		900 446	427
>	TR60 - 6,0 kW Single-phase		900 447	773
>	TR30 - 3,0 kW Three-phase		900 555	490
>	TR45 - 4,5 kW Three-phase		900 448	543
>	TR60 - 6,0 kW Three-phase		900 449	559
652	**Flange required if TR-type immersion heater**			
>	TR/PE Flange	209	900 450	65
801	**Draft stabilizer**			
>	MT150 – diameter 150 mm	212	900 466	167
>	MT180 – diameter 180 mm		900 467	247

OptiPac MR290 coupled with CombiSolar – OPP92



N°	Designation	Page	Ref	€ Excl. tax
101	**Selection of the heat pump model according to the power**			
>	OptiPac MR290 4 Single-phase -R	46	**920 520**	**4 890**
>	OptiPac MR290 7 Single-phase -R		**920 521**	**5 490**
>	OptiPac MR290 9 Single-phase -R		**920 522**	**5 990**
>	OptiPac MR290 12 Single-phase -R		**920 523**	**7 090**
>	OptiPac MR290 16 Single-phase -R		**920 524**	**8 690**
>	OptiPac MR290 12 Three-phase -R		**920 525**	**7 490**
>	OptiPac MR290 16 Three-phase -R		**920 526**	**9 090**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	46	**900 639**	**495**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Selection of CombiSolar model**			
	Roof-parallel – heating only			
>	CombiSolar 500 C-T	196	**904 019**	**5 990**
>	CombiSolar 800 C-T		**904 017**	**7 594**
>	CombiSolar 1000 C-T		**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On frame – heating only			
>	CombiSolar 500 C-S	196	**904 020**	**5 990**
>	CombiSolar 800 C-S		**904 018**	**7 594**
>	CombiSolar 1000 C-S		**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**

N°	Designation	Page	Ref	€ Excl. tax
201	**Selection of CombiSolar model**			
	Roof-parallel – heating and DHW			
>	CombiSolar 500 B-T	196	**904 029**	**6 990**
>	CombiSolar 800 B-T		**904 027**	**8 944**
>	CombiSolar 1000 B-T		**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On frame – heating and DHW			
>	CombiSolar 500 B-S	196	**904 030**	**6 990**
>	CombiSolar 800 B-S		**904 028**	**8 944**
>	CombiSolar 1000 B-S		**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
221	**Selection of solar connection**			
>	25 m stainless steel connection – DN25	196	**900 660**	**760**
231	**If electric mixed DHW tank selection of immersion heater according to power and type of electrical supply**			
>	TR30 - 3,0 kW Single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW Single-phase		**900 446**	**427**
>	TR60 - 6,0 kW Single-phase		**900 447**	**773**
251	**Accessories for connecting a heat pump**			
>	SBP	208	**900 683**	**327**
255	**Domestic thermostatic mixing valve**			
>	½" F thermostatic mixing valve – 30–70 °C	207	**990 713**	**106**
301	**Heating circuit**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 20/45		**900 476**	**626**

Hybrid air/water monobloc heat pumps

A complete range of outdoor units up to 16 kW

- High temperature (R290) and medium temperature (R32)
- High performance
- Easy to install
- Very quiet (from 29 dB at 5 meters)

	R32	R290
		

— = Not applicable

Series	OptiPac MR32	OptiPac MR290
Page	**20**	**46**
Type of heat pump	Medium temperature	High temperature
Refrigerant	R32	R290
Services	Heating – Cooling – DHW	Heating – Cooling – DHW
Heat pump output at 7°C/35°C (kW): Single-phase	4 - 6 - 8 - 10 - 12 - 14 - 16	4 - 7 - 9 - 12 - 16
Three-phase	12 - 14 - 16	12 - 16
Booster power (kW)	3 (single-phase) or 3x3 (three-phase)	3 (single-phase) or 3x3 (three-phase)
Energy Efficiency Class – Heating 35°C	A+++	A+++
Energy Efficiency Class – Heating 55°C	A++	A+++*
Sound pressure at 5m	from 31 dB	from 29 dB
Heating temperature	up to 65°C	up to 75°C
COP	up to 5.01	up to 5.15
Cascade	Maximum 8 outdoor units	Maximum 8 outdoor units

Except 16 kW model A++

A wide range of indoor units

- Easy to install ("Plug and Play")
- Integrated buffer tank
- Integrated Class VII controller
- Connectivity
- Back-up with oil/bio-oil or natural gas/propane or pellets
- Chimney or flue connection (excluding pellet models)

	Bio-oil		Gas		Pellets
					

— = Not applicable

Series	C-F30RC7	B150-F30RC7	C-GRC7	B150-GRC7	OptiPellet
Page with OptiPac MR32	**74**	**76**	**78**	**80**	**82**
Page with OptiPac MR290	**88**	**90**	**92**	**94**	**96**
Fuel	bio-oil, HVO or XTL	bio-oil, HVO or XTL	bio-oil, HVO or XTL	bio-oil, HVO or XTL	Pellets
Output (in kW)	24 or 32 kW	24 or 32 kW	24 or 32 kW	24 or 32 kW	12, 17, 23 or 33 kW
Buffer tank volume (in L)	50	50	50	50	50 to 100
Services	Heating and external DHW	Heating and integrated DHW	Heating and external DHW	Heating and integrated DHW	Heating and external DHW
Heating circuits	2 heating circuits with different temperatures (underfloor+ radiators)	2 heating circuits with different temperatures (underfloor+ radiators)	2 heating circuits with different temperatures (underfloor+ radiators)	2 heating circuits with different temperatures (underfloor+ radiators)	2 heating circuits with different temperatures (underfloor+ radiators)
Control class	Class VII (RC7) controller factory-fitted and delivered with PLC connections	Class VII (RC7) controller factory-fitted and delivered with PLC connections	Class VII (RC7) controller factory-fitted and delivered with PLC connections	Class VII (RC7) controller factory-fitted and delivered with PLC connections	Class VII (RC7) controller factory-fitted and delivered with PLC connections
Stainless steel DHW tank volume (in L)	—	150	—	150	—
MyPerge app for Android or iOS smartphones Local control via Bluetooth – Remote control via internet	MyPerge	MyPerge	MyPerge	MyPerge	MyPerge
Flue gas outlet	Chimney with 316L stainless steel flue liner or 316L stainless steel flue outlet	Chimney with 316L stainless steel flue liner or 316L stainless steel flue outlet	Chimney with 316L stainless steel flue liner or 316L stainless steel flue outlet	Chimney with 316L stainless steel flue liner or 316L stainless steel flue outlet	Chimney with 316L stainless steel flue liner
DHW type: Integrated storage	Stainless steel 90/150 L	24 or 32 kW	24 or 32 kW	24 or 32 kW	12, 17, 23 or 33 kW
External storage	Enamelled 150 to 500 L	Enamelled 150 to 500 L	Enamelled 150 to 500 L	Enamelled 150 to 500 L	Enamelled 150 to 500 L
Dimensions: Width (in cm)	50 (model 24C chimney) 60 (other models)	60	60	60	60
Height (in cm)	92	159	92	159	136 (12, 17 or 23 kW) 159 (model 33 kW)

More information on OptiPac Hybrid

The hybrid heat pump: the solution combining savings, power, comfort and safety

In situations where heating needs are high and installation constraints are significant (space, flue, electrical capacity of the home), the hybrid heat pump is an ideal heating solution, combining savings, power, comfort and safety.

- The heat pump is sized to meet heating needs on its own as long as the outdoor temperature remains above the bivalence point (around 0°C). During this phase, the user benefits from the heat pump's excellent COP (Coefficient of Performance), resulting in real energy savings.
- It also reduces costs on the heat pump itself, since it does not need to be sized to cover the total heating demand alone.
- Lastly, if a backup energy source is used (fuel oil, gas or pellets), the cost is lower than electricity.
- The backup is provided by a boiler with a minimum output of 24 kW (fuel oil or gas) or 12 kW (pellets).
- This additional power does not require an increase in the home's subscribed electrical power.
- There is no power loss as outdoor temperatures drop, ensuring optimal user comfort.
- The user can always rely on the secondary energy source.
- The hybrid heat pump qualifies for the same financial incentives as a standalone heat pump (BAR-TH 159 – Individual Hybrid Heat Pump).

Available versions

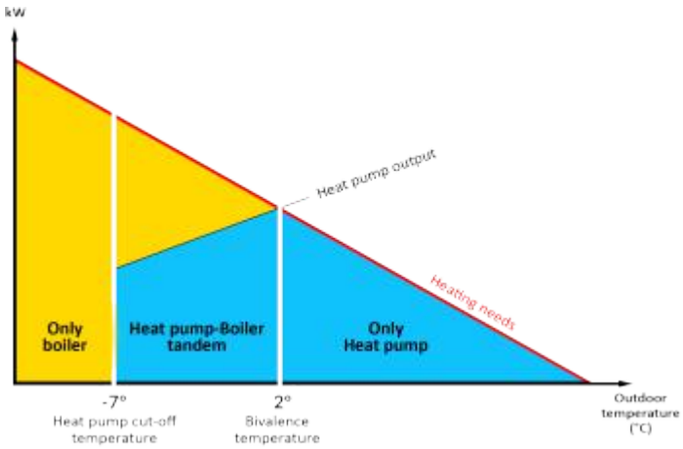
Designation	Page	Back-up	Service	Buffer tank volume	Flue connection	Control class
OptiPac MR32 hybrid						
... oil C-F30RC7	20	heating oil / Bio-oil up to F100	Heating	The indoor unit includes a 50-litre hydraulic volume, allowing direct connection to the heating system without a buffer tank.	Chimney	VII
... oil C-F30VRC7	20				Room sealed	VII
... oil B150-F30RC7	21		Heating+150-litre stainless steel DHW tank		Chimney	VII
... oil B150-F30VRC7	21				Room sealed	VII
... gas C-GRC7	22	Natural gas / Propane	Heating		Chimney	VII
... gas C-GVRC7	22				Room sealed	VII
... gas B150-GRC7	23		Heating+150-litre stainless steel DHW tank		Chimney	VII
... gas B150-GVRC7	23				Room sealed	VII
... pellets C-PRC7	23	Pellets	Heating	See diagram	Chimney	VII
OptiPac MR290 hybrid						
... oil C-F30RC7	20	heating oil / Bio-oil up to F100	Heating	The indoor unit includes a 50-litre hydraulic volume, allowing direct connection to the heating system without a buffer tank.	Chimney	VII
... oil C-F30VRC7	20				Room sealed	VII
... oil B150-F30RC7	21		Heating+150-litre stainless steel DHW tank		Chimney	VII
... oil B150-F30VRC7	21				Room sealed	VII
... gas C-GRC7	22	Natural gas / Propane	Heating		Chimney	VII
... gas C-GVRC7	22				Room sealed	VII
... gas B150-GRC7	23		Heating+150-litre stainless steel DHW tank		Chimney	VII
... gas B150-GVRC7	23				Room sealed	VII
... pellets C-PRC7	23	Pellets	Heating	See diagram	Chimney	VII

More information on OptiPac Hybrid

PERGE hybrid technology: 3 operating modes

The technology of PERGE heat pumps and PERGE OptiPac hybrid heat pumps is based on an innovative hydraulic design. It enables each generator to operate independently or together, automatically and without user intervention, under the most favorable conditions.

- "Heat pump solo" mode: Only the heat pump operates. Thanks to its very high COP, heat is produced with unmatched efficiency.
- "Heat pump and boiler tandem" mode: The heat pump delivers its full output under favorable COP conditions. The boiler only provides the additional required power.
- "Boiler solo" mode: The heat pump's COP no longer allows for efficient heat production. Only the boiler operates.



Remote control with RC7 (Class VII control) and the MyPerge app

RC7 Inside

Download on the App Store

Available on the Google Play

Control via smartphone using the MyPerge app (Android or iOS) is available locally via Bluetooth or internet, or remotely via internet. All data transmissions are encrypted for enhanced security.

Two access levels are available: **User** and **Professional.**

RC7 is a Class VII control system, which manages the heating circuit temperature:

- by modulating it according to outdoor weather conditions;
- by adapting and correcting it based on indoor comfort needs.

Temperature sensors are easy to install and transmit information via wired or wireless connection.

The outdoor sensor is available in wired or wireless versions.

Each heating circuit is equipped with a wired or wireless room sensor. A version of the room sensor with manual comfort temperature adjustment is also available.

Outdoor or room sensor without manual comfort temperature adjustment

Room sensor with manual comfort temperature adjustment

Improve a home's Energy Performance Certificate (EPC) with PERGE OptiPac Hybrid

Installing a PERGE OptiPac Hybrid system can significantly improve the EPC rating of a home.
In this case, the energy assessor must apply the rule for allocating heating needs between generators according to the climatic zone.

Annex 1 of the Decree of October 31, 2021, on the methods and calculations applicable to the EPC of existing buildings, defines the specific rules for hybrid heat pumps, namely:

Zones	Heat pumps	Boilers
H1	80%	20%
H2	83%	17%
H3	88%	12%

Domestic hot water production is considered to be 100% provided by the boiler.

Medium Temperature Air/Water Monobloc Heat Pumps – R32

OptiPac MR32

CE

Outdoor Units – Technical and Dimensional Specifications

Models	Single-phase							Three-phase		
	4	6	8	10	12	14	16	12 Three	14 Three	16 Three
Electrical connections										
Power supply, number of phases	1 Ph+N							3 Ph+N		
Supply voltage	230V - 50Hz							400V - 50Hz		
Current consumption (A)	12	14	16	19	24	26	28	10	11	12
Protection (A – Curve D)	16	20	20	25	32	32	32	16	16	16
Power cables	3G2,5mm²	3G2,5mm²	3G2,5mm²	3G4mm²	3G6mm²	3G6mm²	3G6mm²	5G2,5mm²	5G2,5mm²	5G2,5mm²
Electric booster power (kW)	3							3 x 3		
Dimensions and weight										
a) Pallet packaging										
Height (mm)	965	965	965	1 082	1 082	1 140	1 140	1 082	1 140	1 140
Width (mm)	1 200	1 200	1 200	1 260	1 260	1 285	1 285	1 260	1 285	1 285
Depth (mm)	425	425	425	488	488	495	495	488	495	495
Weight (kg)	91	93	93	108	117	136	136	126	150	150
b) Device										
Height (mm)	702	702	702	800	800	860	860	800	860	860
Width (mm)	1 143	1 143	1 143	1 158	1 158	1 217	1 217	1 158	1 217	1 217
Depth (mm)	397	397	397	423	423	455	455	423	455	455
Weight (kg)	76	78	80	93	97	117	117	109	131	131
Refrigerant										
Refrigerant type	R32									
Refrigerant charge (kg)	1,05	1,20	1,30	1,50	1,75	2,10	2,10	1,75	2,10	2,10
Hydraulics										
Hydraulic connections	Heating Flow - Return: 1" M									
Maximum operating pressure (bar)	3									
Expansion vessel volume (L)	5									
Safety valve pressure setting (bar)	3									
Minimum flow rate without buffer tank (L/h)	600 l/h									
Minimum buffer volume (L)	25	25	25	25	40	40	40	40	40	40
Operating range										
Heating – Water temperature (°C)	+12° / +65°									
Cooling – Water temperature (°C)	+5° / +25°									
Heating – Outdoor temperature (°C)	-25° / +35°									
Cooling – Outdoor temperature (°C)	-5° / +43°									
DHW mode – Outdoor temperature (°C)	-25° / +43°									
Performance										
Seasonal Energy Efficiency – Heating (35°C)	185	178	177	187	184	180	179	184	178	180
Energy Class – Heating (35°C)	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++	A+++
SCOP – Heating (35°C)	4,70	4,53	4,51	4,75	4,67	4,56	4,55	4,67	4,52	4,57
Seasonal Energy Efficiency – Heating (55°C)	133	130	126	136	137	129	131	137	133	132
Energy Class – Heating (55°C)	A++	A++	A++	A++	A++	A++	A++	A++	A++	A++
SCOP – Heating (55°C)	3,40	3,33	3,23	3,47	3,50	3,30	3,36	3,50	3,40	3,38
Acoustics										
Sound pressure at 5 m (dB)	31	33	34	35	39	40	43	39	40	43

Hybrid Air/Water Heat Pumps
BIO-OIL Heating

Hybrid OptiPac MR32

BIO-OIL READY F30
F100 HVO XTL

kW **Heat pump output:**
4 to 16 kW
Back-up: 24 or 32 kW

Heating only or heating + DHW production via an independent storage tank

Chimney or Room sealed

ENERGY A++

R32

Chimney version:Given the high performance of PERGE boilers, it is essential to line the flue in compliance with the regulations in force.
Material for flue connection (sealed flue):The flue duct must be made of 316L stainless steel.
Sealed flue version – Maximum connection distance:
Horizontal flue (type C13): 1 × 90° elbow + 3 × 1 m lengths (max. 1 m horizontal) + C13 terminal
Flue (type C33): 4 × 1 m lengths + C33 terminal
Flue (type B22/B23 or B32/B33): 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12
Flue diameter: Must be ≥ 125 mm beyond 6 m
In the case of B32/B33, the minimum chimney section must be 14 cm x 14 cm

Outdoor unit includes:
- Internal R32 refrigerant circuit with Mitsubishi Twin-Rotary inverter compressor, anti-liquid shock accumulator, electronic expansion valve, Panasonic inverter fan motor, R32 air exchanger with weather and corrosion protection, and R32 water plate heat exchanger
- Hydraulic circuit with inverter circulator, 5-litre expansion vessel, safety valve, flow and return connections 1" M
- Easily accessible connection box
- Anti-freeze heating cable in condensate tray

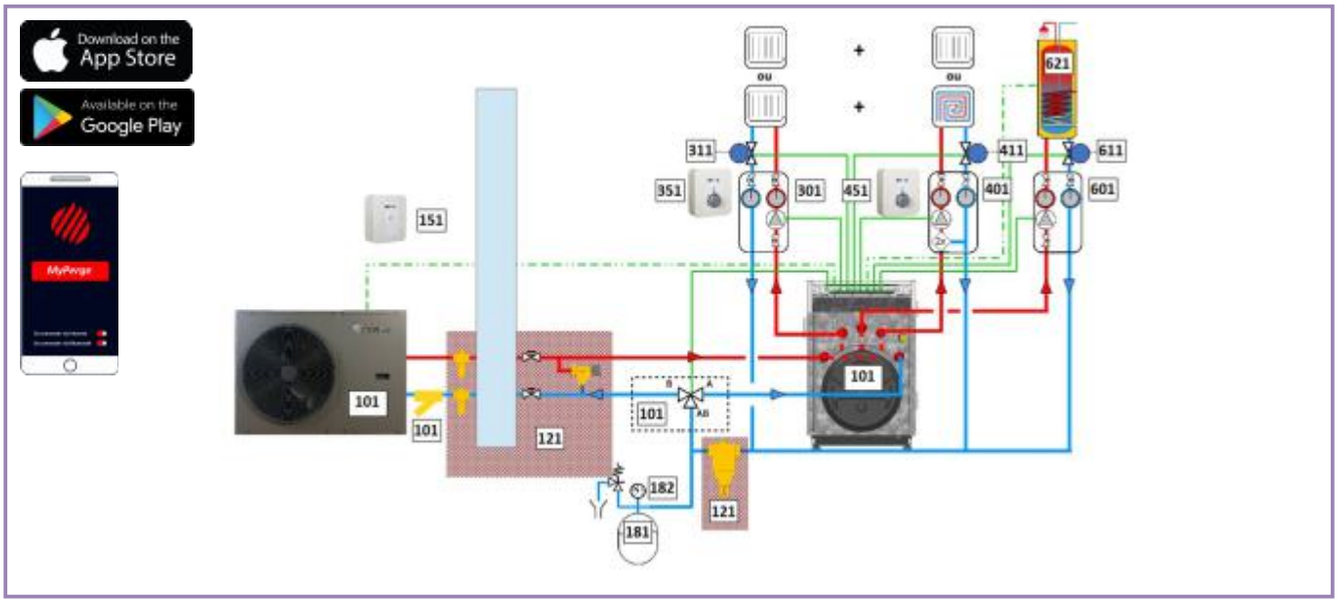
Indoor unit includes:
- 50-litre internal hydraulic volume
- Heating body allowing, without mixing valve, operation without return temperature limitation and without dew point risk inside the heating body
- Bio-oil-compatible burner
- Control and monitoring panel
- RC7: Class VII regulation with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet
- PLC kit: 2 PLC sockets and 2 RJ45 cables (2.00 m each)
- Hydraulic connection not included

Communication:
- ModBus: 3 × 0.75 mm² shielded cable
- Internet: RJ45 Ethernet cable or PLC socket

Packaging:
- 1 × Outdoor unit
- 1 × Hybrid oil module C

Description	Designation OptiPac Hybrid	Heat pump kW	Power supply	Appoint kW	SEER	Ref	€ Excl. tax
	Bio-oil hybrid – chimney version: OPTIPAC MR32 HYBRID OIL – Chimney						
	4-24 SINGLE C-F30RC7	4	Single-phase	24	126	921 020	8 040
	6-24 SINGLE C-F30RC7	6	Single-phase		123	921 021	8 340
	8-24 SINGLE C-F30RC7	8	Single-phase		119	921 022	8 740
	10-24 SINGLE C-F30RC7	10	Single-phase		128	921 023	9 340
	12-24 SINGLE C-F30RC7	12	Single-phase		128	921 024	10 140
	14-24 SINGLE C-F30RC7	14	Single-phase		123	921 025	11 040
	16-24 SINGLE C-F30RC7	16	Single-phase		124	921 026	11 340
	12-24 THREE C-F30RC7	12	Three-phase		129	921 027	10 740
	14-24 THREE C-F30RC7	14	Three-phase		123	921 028	11 640
	16-24 THREE C-F30RC7	16	Three-phase		124	921 029	12 140
	12-32 SINGLE C-F30RC7	12	Single-phase	32	128	921 034	10 600
	14-32 SINGLE C-F30RC7	14	Single-phase		123	921 035	11 500
	16-32 SINGLE C-F30RC7	16	Single-phase		124	921 036	11 800
	12-32 THREE C-F30RC7	12	Three-phase		129	921 037	11 200
	14-32 THREE C-F30RC7	14	Three-phase		123	921 038	12 100
	16-32 THREE C-F30RC7	16	Three-phase		124	921 039	12 600
	Bio-oil hybrid – room sealed version: OPTIPAC MR32 HYBRID OIL – Room sealed						
	4-24 SINGLE C-F30VRC7	4	Single-phase	24	126	921 120	8 560
	6-24 SINGLE C-F30VRC7	6	Single-phase		123	921 121	8 860
	8-24 SINGLE C-F30VRC7	8	Single-phase		119	921 122	9 260
	10-24 SINGLE C-F30VRC7	10	Single-phase		128	921 123	9 860
	12-24 SINGLE C-F30VRC7	12	Single-phase		128	921 124	10 660
	14-24 SINGLE C-F30VRC7	14	Single-phase		123	921 125	11 560
	16-24 SINGLE C-F30VRC7	16	Single-phase		124	921 126	11 860
	12-24 THREE C-F30VRC7	12	Three-phase		129	921 127	11 260
	14-24 THREE C-F30VRC7	14	Three-phase		123	921 128	12 160
	16-24 THREE C-F30VRC7	16	Three-phase		124	921 129	12 660
	12-32 SINGLE C-F30VRC7	12	Single-phase	32	128	921 134	11 120
	14-32 SINGLE C-F30VRC7	14	Single-phase		123	921 135	12 020
	16-32 SINGLE C-F30VRC7	16	Single-phase		124	921 136	12 320
	12-32 THREE C-F30VRC7	12	Three-phase		129	921 137	11 720
	14-32 THREE C-F30VRC7	14	Three-phase		123	921 138	12 620
	16-32 THREE C-F30VRC7	16	Three-phase		124	921 139	13 120

OptiPac MR32 Hybrid Oil – Heating only – OPP31



N°	Designation	Page	Ref	€ Excl. tax
101	**Model selection according to required output and flue connection**			
	Chimney connection – OptiPac MR32 Hybrid oil …			
>	4-24 Single-phase C-F30RC7	74	**921 020**	**8 040**
>	6-24 Single-phase C-F30RC7		**921 021**	**8 340**
>	8-24 Single-phase C-F30RC7		**921 022**	**8 740**
>	10-24 Single-phase C-F30RC7		**921 023**	**9 340**
>	12-24 Single-phase C-F30RC7		**921 024**	**10 140**
>	14-24 Single-phase C-F30RC7		**921 025**	**11 040**
>	16-24 Single-phase C-F30RC7		**921 026**	**11 340**
>	12-24 Three-phase C-F30RC7		**921 027**	**10 740**
>	14-24 Three-phase C-F30RC7		**921 028**	**11 640**
>	16-24 Three-phase C-F30RC7		**921 029**	**12 140**
>	12-32 Single-phase C-F30RC7		**921 034**	**10 600**
>	14-32 Single-phase C-F30RC7		**921 035**	**11 500**
>	16-32 Single-phase C-F30RC7		**921 036**	**11 800**
>	12-32 Three-phase C-F30RC7		**921 037**	**11 200**
>	14-32 Three-phase C-F30RC7		**921 038**	**12 100**
>	16-32 Three-phase C-F30RC7		**921 039**	**12 600**
	Room sealed connection – OptiPac MR32 Hybrid oil …			
>	4-24 Single-phase C-F30VRC7	74	**921 120**	**8 560**
>	6-24 Single-phase C-F30VRC7		**921 121**	**8 860**
>	8-24 Single-phase C-F30VRC7		**921 122**	**9 260**
>	10-24 Single-phase C-F30VRC7		**921 123**	**9 860**
>	12-24 Single-phase C-F30VRC7		**921 124**	**10 660**
>	14-24 Single-phase C-F30VRC7		**921 125**	**11 560**
>	16-24 Single-phase C-F30VRC7		**921 126**	**11 860**
>	12-24 Three-phase C-F30VRC7		**921 127**	**11 260**
>	14-24 Three-phase C-F30VRC7		**921 128**	**12 160**
>	16-24 Three-phase C-F30VRC7		**921 129**	**12 660**
>	12-32 Single-phase C-F30VRC7		**921 134**	**11 120**
>	14-32 Single-phase C-F30VRC7		**921 135**	**12 020**
>	16-32 Single-phase C-F30VRC7		**921 136**	**12 320**
>	12-32 Three-phase C-F30VRC7		**921 137**	**11 720**
>	14-32 Three-phase C-F30VRC7		**921 138**	**12 620**
>	16-32 Three-phase C-F30VRC7		**921 139**	**13 120**
121	**Mandatory accessories**			
>	UE-SD Protection Kit	84	**900 642**	**560**
151	**Mandatory choice of outdoor sensor type**			
>	Outdoor Sensor C+ – Wired	84	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**

N°	Designation	Page	Ref	€ Excl. tax
182	**Choice of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV Bracket (max. 35-litre vessel)		**900 564**	**97**
301	**Heating circuit no. 1**			
>	MHD	210	**900 420**	**421**
311	**Two-way valve – AUTO spring return – MM 1P (Mandatory if at least 2 circuits)**			
>	Two-way valve – AUTO spring return – MM 1P	84	**900 665**	**147**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	84	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If heating circuit no. 2**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
411	**Two-way valve – AUTO spring return – MM 1P**			
>	2-way valve AUTO MM 1P reminder	84	**900 665**	**147**
451	**Mandatory choice of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	84	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**DHW hydraulic module with circulator and DHW sensor Or DHW sensor only, if an existing DHW charging pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	DHW Sensor for Connect		**992 041**	**12**
611	**Two-way valve – AUTO spring return – MM 1P**			
>	Two-way valve – AUTO spring return – MM 1P	84	**900 665**	**147**
621	**DHW tank selection according to capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

Hybrid Air/Water Heat Pumps
BIO-OIL Heating + Integrated DHW

Hybrid OptiPac MR32

BIO-OIL READY F30
F100 HVO XTL

kW **Heat pump output: 4 to 16 kW**
Back-up: 24 or 32 kW

Heating only or heating + DHW production via an independent storage tank

Chimney or Room sealed

ENERGY A++

R32

Chimney version:Given the high performance of PERGE boilers, it is essential to line the flue in compliance with the regulations in force.
Material for flue connection (sealed flue):The flue duct must be made of 316L stainless steel.
Sealed flue version – Maximum connection distance:
Horizontal flue (type C13): 1 × 90° elbow + 3 × 1 m lengths (max. 1 m horizontal) + C13 terminal
Flue (type C33): 4 × 1 m lengths + C33 terminal
Flue (type B22/B23 or B32/B33): 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12
Flue diameter: Must be ≥ 125 mm beyond 6 m
In the case of B32/B33, the minimum chimney section must be 14 cm x 14 cm

Outdoor unit includes:
- Internal R32 refrigerant circuit with Mitsubishi Twin-Rotary inverter compressor, anti-liquid shock accumulator, electronic expansion valve, Panasonic inverter fan motor, R32 air exchanger with weather protection, and R32 water plate heat exchanger
- Hydraulic circuit with inverter circulator, 5-litre expansion vessel, safety valve, 1" M flow and return connections
- Easily accessible connection box
- Anti-frost heating cable in the condensate tray

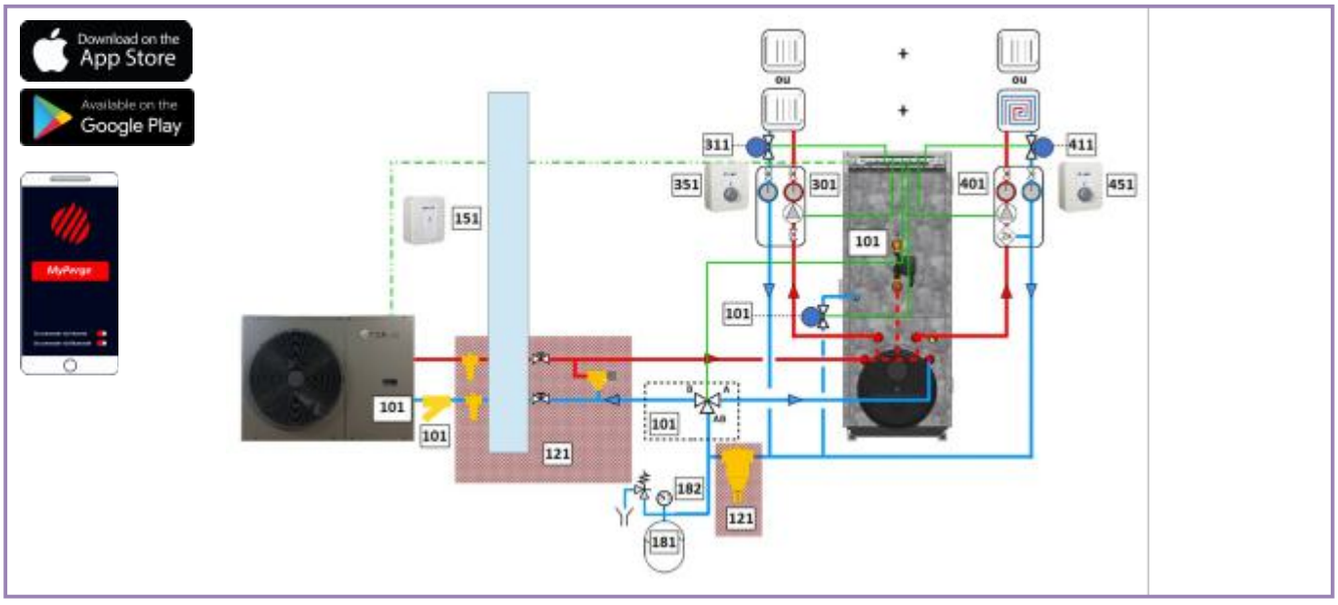
Indoor unit includes:
- 50-litre internal hydraulic volume
- Heating body allowing operation without mixing valve, without return temperature limitation and without dew point risk inside the heating body
- Biofuel-compatible burner
- 150-litre stainless steel domestic hot water tank
- DHW charging pump for DHW priority management
- Control and monitoring panel
- RC7: Class VII regulation with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet
- PLC kit: 2 PLC sockets and 2 RJ45 cables (2.00 m each)
- Hydraulic connection not included

Communication:
- ModBus: 3 × 0.75 mm² shielded cable
- Internet: RJ45 Ethernet cable or PLC socket

Packaging:1 × Outdoor unit
1 × B150 hybrid oil module

Description	Designation OptiPac Hybrid	Heat pump kW	Power supply	Back-up kW	SEER	Ref	€ Excl. tax
	Bio-oil hybrid – Chimney version: OPTIPAC MR32 HYBRID OIL...						
	4-24 SINGLE B150-F30RC7	4	Single-phase	24	126	921 050	9 710
	6-24 SINGLE B150-F30RC7	6	Single-phase		123	921 051	10 010
	8-24 SINGLE B150-F30RC7	8	Single-phase		119	921 052	10 410
	10-24 SINGLE B150-F30RC7	10	Single-phase		128	921 053	11 010
	12-24 SINGLE B150-F30RC7	12	Single-phase		128	921 054	11 810
	14-24 SINGLE B150-F30RC7	14	Single-phase		123	921 055	12 710
	16-24 SINGLE B150-F30RC7	16	Single-phase		124	921 056	13 010
	12-24 THREE B150-F30RC7	12	Three-phase		129	921 057	12 410
	14-24 THREE B150-F30RC7	14	Three-phase		123	921 058	13 310
	16-24 THREE B150-F30RC7	16	Three-phase		124	921 059	13 810
	12-32 SINGLE B150-F30RC7	12	Single-phase	32	128	921 064	12 280
	14-32 SINGLE B150-F30RC7	14	Single-phase		123	921 065	13 180
	16-32 SINGLE B150-F30RC7	16	Single-phase		124	921 066	13 480
	12-32 THREE B150-F30RC7	12	Three-phase		129	921 067	12 880
	14-32 THREE B150-F30RC7	14	Three-phase		123	921 068	13 780
	16-32 THREE B150-F30RC7	16	Three-phase		124	921 069	14 280
	Bio-oil hybrid – Room sealed version: OPTIPAC MR32 HYBRID OIL...						
	4-24 SINGLE B150-F30VRC7	4	Single-phase	24	126	921 150	10 230
	6-24 SINGLE B150-F30VRC7	6	Single-phase		123	921 151	10 530
	8-24 SINGLE B150-F30VRC7	8	Single-phase		119	921 152	10 930
	10-24 SINGLE B150-F30VRC7	10	Single-phase		128	921 153	11 530
	12-24 SINGLE B150-F30VRC7	12	Single-phase		128	921 154	12 330
	14-24 SINGLE B150-F30VRC7	14	Single-phase		123	921 155	13 230
	16-24 SINGLE B150-F30VRC7	16	Single-phase		124	921 156	13 530
	12-24 THREE B150-F30VRC7	12	Three-phase		129	921 157	12 930
	14-24 THREE B150-F30VRC7	14	Three-phase		123	921 158	13 830
	16-24 THREE B150-F30VRC7	16	Three-phase		124	921 159	14 330
	12-32 SINGLE B150-F30VRC7	12	Single-phase	32	128	921 164	12 800
	14-32 SINGLE B150-F30VRC7	14	Single-phase		123	921 165	13 700
	16-32 SINGLE B150-F30VRC7	16	Single-phase		124	921 166	14 000
	12-32 THREE B150-F30VRC7	12	Three-phase		129	921 167	13 400
	14-32 THREE B150-F30VRC7	14	Three-phase		123	921 168	14 300
	16-32 THREE B150-F30VRC7	16	Three-phase		124	921 169	14 800

OptiPac MR32 Hybrid Oil – Heating + Integrated DHW – OPP32



N°	Designation	Page	Ref	€ Excl. tax
101	**Model selection according to required output and flue connection**			
	Chimney connection – OptiPac MR32 Hybrid Oil …			
>	4-24 Single-phase B150-F30RC7	76	**921 050**	**9 710**
>	6-24 Single-phase B150-F30RC7		**921 051**	**10 010**
>	8-24 Single-phase B150-F30RC7		**921 052**	**10 410**
>	10-24 Single-phase B150-F30RC7		**921 053**	**11 010**
>	12-24 Single-phase B150-F30RC7		**921 054**	**11 810**
>	14-24 Single-phase B150-F30RC7		**921 055**	**12 710**
>	16-24 Single-phase B150-F30RC7		**921 056**	**13 010**
>	12-24 Three-phase B150-F30RC7		**921 057**	**12 410**
>	14-24 Three-phase B150-F30RC7		**921 058**	**13 310**
>	16-24 Three-phase B150-F30RC7		**921 059**	**13 810**
>	12-32 Single-phase B150-F30RC7		**921 064**	**12 280**
>	14-32 Single-phase B150-F30RC7		**921 065**	**13 180**
>	16-32 Single-phase B150-F30RC7		**921 066**	**13 480**
>	12-32 Three-phase B150-F30RC7		**921 067**	**12 880**
>	14-32 Three-phase B150-F30RC7		**921 068**	**13 780**
>	16-32 Three-phase B150-F30RC7		**921 069**	**14 280**
	Room sealed connection – OptiPac MR32 Hybrid OIl …			
>	4-24 Single-phase B150-F30VRC7	76	**921 150**	**10 230**
>	6-24 Single-phase B150-F30VRC7		**921 151**	**10 530**
>	8-24 Single-phase B150-F30VRC7		**921 152**	**10 930**
>	10-24 Single-phase B150-F30VRC7		**921 153**	**11 530**
>	12-24 Single-phase B150-F30VRC7		**921 154**	**12 330**
>	14-24 Single-phase B150-F30VRC7		**921 155**	**13 230**
>	16-24 Single-phase B150-F30VRC7		**921 156**	**13 530**
>	12-24 Three-phase B150-F30VRC7		**921 157**	**12 930**
>	14-24 Three-phase B150-F30VRC7		**921 158**	**13 830**
>	16-24 Three-phase B150-F30VRC7		**921 159**	**14 330**
>	12-32 Single-phase B150-F30VRC7		**921 164**	**12 800**
>	14-32 Single-phase B150-F30VRC7		**921 165**	**13 700**
>	16-32 Single-phase B150-F30VRC7		**921 166**	**14 000**
>	12-32 Three-phase B150-F30VRC7		**921 167**	**13 400**
>	14-32 Three-phase B150-F30VRC7		**921 168**	**14 300**
>	16-32 Three-phase B150-F30VRC7		**921 169**	**14 800**
121	**Mandatory accessories**			
>	UE-SD Protection Kit	84	**900 642**	**560**
151	**Mandatory choice of outdoor sensor type**			
>	Outdoor Sensor C+ – Wired	84	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**

N°	Designation	Page	Ref	€ Excl. tax
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Choice of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV Bracket (max. 35-litre vessel)		**900 564**	**97**
301	**Heating circuit no. 1**			
>	MHD	210	**900 420**	**421**
311	**Two-way valve – AUTO spring return – MM 1P (Mandatory if at least 2 circuits)**			
>	Two-way valve – AUTO spring return – MM 1P	84	**900 665**	**147**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	84	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If heating circuit no. 2**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
411	**Two-way valve – AUTO spring return – MM 1P**			
>	Two-way valve – AUTO spring return – MM 1P	84	**900 665**	**147**
451	**Mandatory choice of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	84	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**

Hybrid Air/Water Heat Pumps
GAS Heating

Hybrid OptiPac MR32

Natural gas or Propane

Heat pump output: 4 to 16 kW
Back-up: 24 or 32 kW

Heating only or heating + DHW production via an independent storage tank

Chimney or Room sealed

ENERGY A++

R32

Chimney version:Given the high performance of PERGE boilers, it is essential to line the flue in compliance with the regulations in force.
Material for flue connection (sealed flue):The flue duct must be made of 316L stainless steel.
Sealed flue version – Maximum connection distance:
Horizontal flue (type C13): 1 × 90° elbow + 3 × 1 m lengths (max. 1 m horizontal) + C13 terminal
Flue (type C33): 4 × 1 m lengths + C33 terminal
Flue (type B22/B23 or B32/B33): 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12
Flue diameter: Must be ≥ 125 mm beyond 6 m
In the case of B32/B33, the minimum chimney section must be 14 cm x 14 cm

Outdoor unit includes:
- Internal R32 refrigerant circuit with Mitsubishi Twin-Rotary inverter compressor, anti-liquid shock accumulator, electronic expansion valve, Panasonic inverter fan motor, R32 air exchanger with weather protection, and R32 water plate heat exchanger
- Hydraulic circuit with inverter circulator, 5-litre expansion vessel, safety valve, 1" M flow and return connections
- Easily accessible connection box
- Anti-frost heating cable in the condensate tray

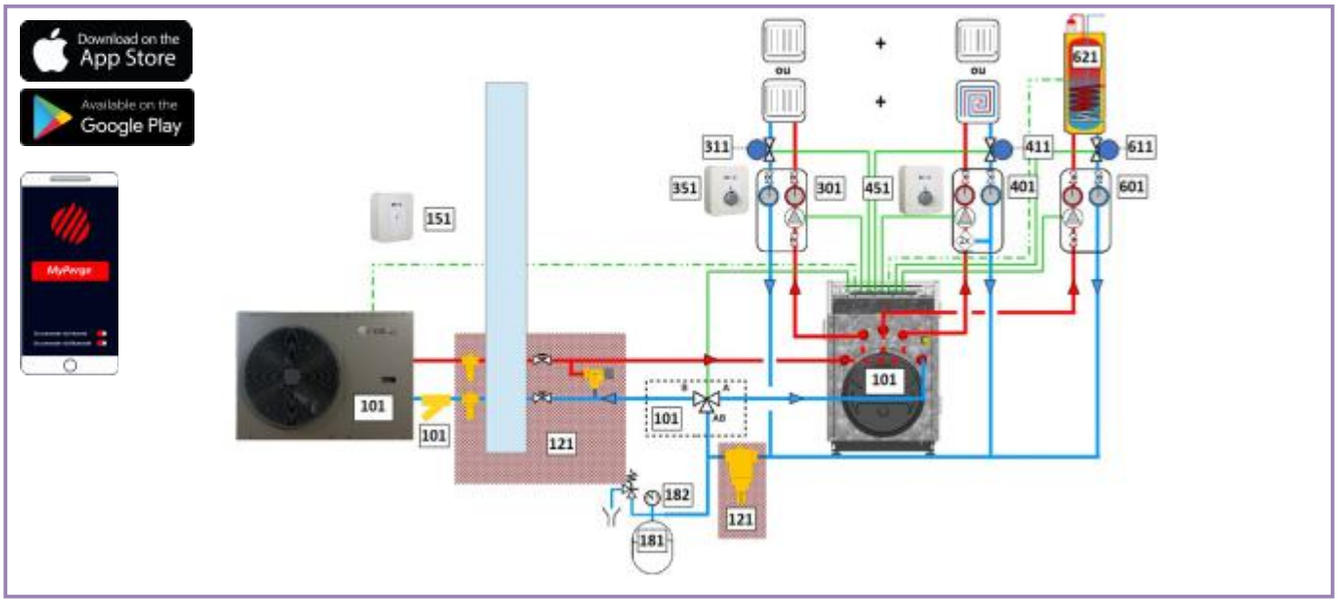
Indoor unit includes:
- 50-litre internal hydraulic volume
- Heating body allowing operation without mixing valve, without return temperature limitation and without dew point risk inside the heating body
- Blown-air burner for natural gas / propane
- Control and monitoring panel
- RC7: Class VII regulation with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet
- PLC kit: 2 PLC sockets and 2 RJ45 cables (2.00 m each)
- Hydraulic connection not included

Communication:
- ModBus: 3 × 0.75 mm² shielded cable
- Internet: RJ45 Ethernet cable or PLC socket

Packaging:
- 1 × Outdoor unit
- 1 × Hybrid gas module C

Description	Designation OptiPac Hybrid	Heat pump kW	Power supply	Back-up kW	SEER	Ref	€ Excl. tax
	Gas hybrid – Chimney version: OPTIPAC MR32 HYBRID GAS...						
	4-24 SINGLE C-GRC7	4	Single-phase	24	126	921 520	8 350
	6-24 SINGLE C-GRC7	6	Single-phase		123	921 521	8 650
	8-24 SINGLE C-GRC7	8	Single-phase		119	921 522	9 050
	10-24 SINGLE C-GRC7	10	Single-phase		128	921 523	9 650
	12-24 SINGLE C-GRC7	12	Single-phase		128	921 524	10 450
	14-24 SINGLE C-GRC7	14	Single-phase		123	921 525	11 350
	16-24 SINGLE C-GRC7	16	Single-phase		124	921 526	11 650
	12-24 THREE C-GRC7	12	Three-phase		129	921 527	11 050
	14-24 THREE C-GRC7	14	Three-phase		123	921 528	11 950
	16-24 THREE C-GRC7	16	Three-phase		124	921 529	12 450
	12-32 SINGLE C-GRC7	12	Single-phase	32	128	921 534	10 910
	14-32 SINGLE C-GRC7	14	Single-phase		123	921 535	11 810
	16-32 SINGLE C-GRC7	16	Single-phase		124	921 536	12 110
	12-32 THREE C-GRC7	12	Three-phase		129	921 537	11 510
	14-32 THREE C-GRC7	14	Three-phase		123	921 538	12 410
	16-32 THREE C-GRC7	16	Three-phase		124	921 539	12 910
	Gas hybrid – Room sealed version: OPTIPAC MR32 HYBRID GAS...						
	4-24 SINGLE C-GVRC7	4	Single-phase	24	126	921 620	8 870
	6-24 SINGLE C-GVRC7	6	Single-phase		123	921 621	9 170
	8-24 SINGLE C-GVRC7	8	Single-phase		119	921 622	9 570
	10-24 SINGLE C-GVRC7	10	Single-phase		128	921 623	10 170
	12-24 SINGLE C-GVRC7	12	Single-phase		128	921 624	10 970
	14-24 SINGLE C-GVRC7	14	Single-phase		123	921 625	11 870
	16-24 SINGLE C-GVRC7	16	Single-phase		124	921 626	12 170
	12-24 THREE C-GVRC7	12	Three-phase		129	921 627	11 570
	14-24 THREE C-GVRC7	14	Three-phase		123	921 628	12 470
	16-24 THREE C-GVRC7	16	Three-phase		124	921 629	12 970
	12-32 SINGLE C-GVRC7	12	Single-phase	32	128	921 634	11 430
	14-32 SINGLE C-GVRC7	14	Single-phase		123	921 635	12 330
	16-32 SINGLE C-GVRC7	16	Single-phase		124	921 636	12 630
	12-32 THREE C-GVRC7	12	Three-phase		129	921 637	12 030
	14-32 THREE C-GVRC7	14	Three-phase		123	921 638	12 930
	16-32 THREE C-GVRC7	16	Three-phase		124	921 639	13 430

OptiPac MR32 Hybrid Gas – Heating only – OPP36



N°	Designation	Page	Ref	€ Excl. tax
101	**Model selection according to required output and flue connection**			
	Chimney connection – OptiPac MR32 Hybrid Gas …			
>	4-24 Single-phase C-GRC7	78	**921 520**	**8 350**
>	6-24 Single-phase C-GRC7		**921 521**	**8 650**
>	8-24 Single-phase C-GRC7		**921 522**	**9 050**
>	10-24 Single-phase C-GRC7		**921 523**	**9 650**
>	12-24 Single-phase C-GRC7		**921 524**	**10 450**
>	14-24 Single-phase C-GRC7		**921 525**	**11 350**
>	16-24 Single-phase C-GRC7		**921 526**	**11 650**
>	12-24 Three-phase C-GRC7		**921 527**	**11 050**
>	14-24 Three-phase C-GRC7		**921 528**	**11 950**
>	16-24 Three-phase C-GRC7		**921 529**	**12 450**
>	12-32 Single-phase C-GRC7		**921 534**	**10 910**
>	14-32 Single-phase C-GRC7		**921 535**	**11 810**
>	16-32 Single-phase C-GRC7		**921 536**	**12 110**
>	12-32 Three-phase C-GRC7		**921 537**	**11 510**
>	14-32 Three-phase C-GRC7		**921 538**	**12 410**
>	16-32 Three-phase C-GRC7		**921 539**	**12 910**
	Room sealed connection – OptiPac MR32 Hybrid Gas …			
>	4-24 Single-phase C-GVRC7	78	**921 620**	**8 870**
>	6-24 Single-phase C-GVRC7		**921 621**	**9 170**
>	8-24 Single-phase C-GVRC7		**921 622**	**9 570**
>	10-24 Single-phase C-GVRC7		**921 623**	**10 170**
>	12-24 Single-phase C-GVRC7		**921 624**	**10 970**
>	14-24 Single-phase C-GVRC7		**921 625**	**11 870**
>	16-24 Single-phase C-GVRC7		**921 626**	**12 170**
>	12-24 Three-phase C-GVRC7		**921 627**	**11 570**
>	14-24 Three-phase C-GVRC7		**921 628**	**12 470**
>	16-24 Three-phase C-GVRC7		**921 629**	**12 970**
>	12-32 Single-phase C-GVRC7		**921 634**	**11 430**
>	14-32 Single-phase C-GVRC7		**921 635**	**12 330**
>	16-32 Single-phase C-GVRC7		**921 636**	**12 630**
>	12-32 Three-phase C-GVRC7		**921 637**	**12 030**
>	14-32 Three-phase C-GVRC7		**921 638**	**12 930**
>	16-32 Three-phase C-GVRC7		**921 639**	**13 430**
121	**Mandatory accessories**			
>	UE-SD Protection Kit	84	**900 642**	**560**
151	**Mandatory choice of outdoor sensor type**			
>	Outdoor Sensor C+ – Wired	84	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**

N°	Designation	Page	Ref	€ Excl. tax
182	**Choice of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV Bracket (max. 35-litre vessel)		**900 564**	**97**
301	**Heating circuit no. 1**			
>	MHD	210	**900 420**	**421**
311	**Two-way valve – AUTO spring return – MM 1P (Mandatory if at least 2 circuits)**			
>	Two-way valve – AUTO spring return – MM 1P	84	**900 665**	**147**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	84	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If heating circuit no. 2**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
411	**Two-way valve – AUTO spring return – MM 1P**			
>	Two-way valve – AUTO spring return – MM 1P	84	**900 665**	**147**
451	**Mandatory choice of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	84	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**DHW hydraulic module with circulator and DHW sensor Or DHW sensor only, if an existing DHW charging pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	DHW Sensor for Connect		**992 041**	**12**
611	**Two-way valve – AUTO spring return – MM 1P**			
>	Two-way valve – AUTO spring return – MM 1P	84	**900 665**	**147**
621	**DHW tank selection according to capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**
901	**Commissioning**			
>	Gas burner	-	**MESBRG**	**390**

Hybrid Air/Water Heat Pumps
GAS Heating + Integrated DHW

OptiPac MR32 hybrid

Natural gas or Propane

Heat pump output: 4 to 16 kW
Back-up: 24 or 32 kW

Heating + DHW production via integrated tank

Chimney or Room sealed

ENERGY A++

R32

Chimney version:Given the high performance of PERGE boilers, it is essential to line the flue in compliance with the regulations in force.
Material for flue connection (sealed flue):The flue duct must be made of 316L stainless steel.
Sealed flue version – Maximum connection distance:
Horizontal flue (type C13): 1 × 90° elbow + 3 × 1 m lengths (max. 1 m horizontal) + C13 terminal
Flue (type C33): 4 × 1 m lengths + C33 terminal
Flue (type B22/B23 or B32/B33): 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12
Flue diameter: Must be ≥ 125 mm beyond 6 m
In the case of B32/B33, the minimum chimney section must be 14 cm x 14 cm

Outdoor unit includes:
- Internal R32 refrigerant circuit with Mitsubishi Twin-Rotary inverter compressor, anti-liquid shock accumulator, electronic expansion valve, Panasonic inverter fan motor, R32 air exchanger with weather protection, and R32 water plate heat exchanger
- Hydraulic circuit with inverter circulator, 5-litre expansion vessel, safety valve, 1" M flow and return connections
- Easily accessible connection box
- Anti-frost heating cable in the condensate tray

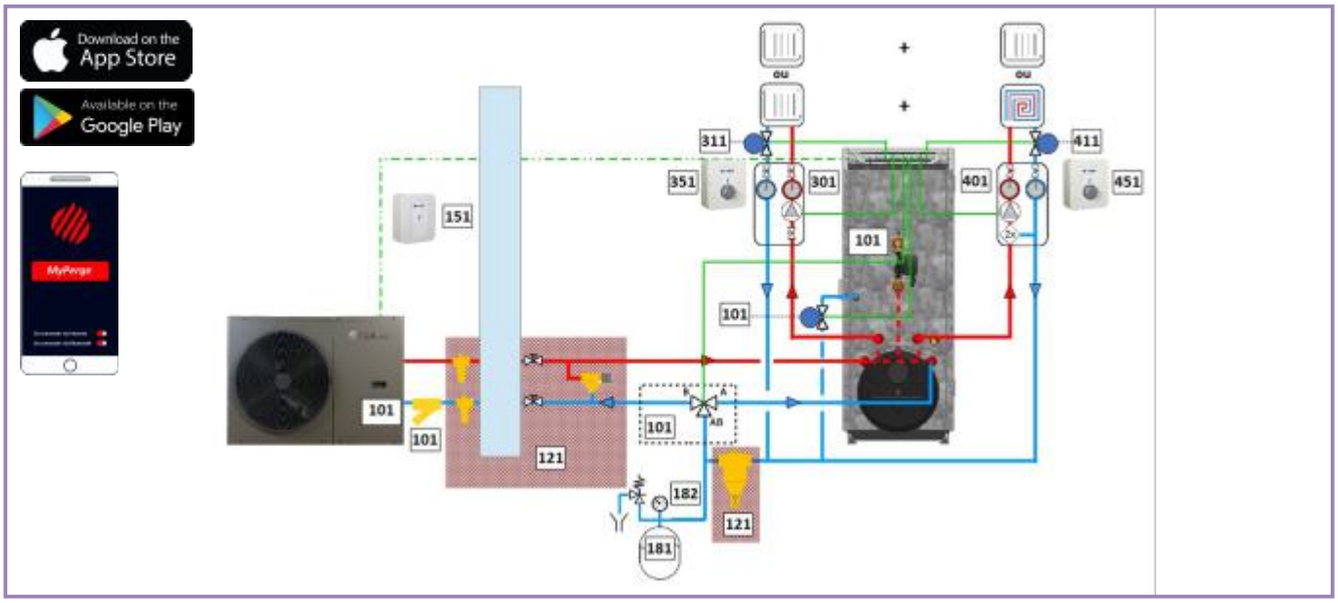
Indoor unit includes:
- 50-litre internal hydraulic volume
- Heating body allowing operation without mixing valve, without return temperature limitation and without dew point risk inside the heating body
- Blown-air burner for natural gas / propane
- 150-litre stainless steel domestic hot water tank
- DHW charging pump for DHW priority management
- Control and monitoring panel
- RC7: Class VII regulation with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet
- PLC kit: 2 PLC sockets and 2 RJ45 cables (2.00 m each)
- Hydraulic connection not included

Communication:
- ModBus: 3 × 0.75 mm² shielded cable
- Internet: RJ45 Ethernet cable or PLC socket

Packaging:
- 1 × Outdoor unit
- 1 × B150 hybrid gas module

Description	Designation OptiPac Hybrid	Heat pump kW	Power supply	Back-up kW	SEER	Ref	€ Excl. tax
	Gas hybrid – Chimney version: OPTIPAC MR32 HYBRID GAS...						
	4-24 SINGLE B150-GRC7	4	Single-phase	24	126	921 550	10 030
	6-24 SINGLE B150-GRC7	6	Single-phase		123	921 551	10 330
	8-24 SINGLE B150-GRC7	8	Single-phase		119	921 552	10 730
	10-24 SINGLE B150-GRC7	10	Single-phase		128	921 553	11 330
	12-24 SINGLE B150-GRC7	12	Single-phase		128	921 554	12 130
	14-24 SINGLE B150-GRC7	14	Single-phase		123	921 555	13 030
	16-24 SINGLE B150-GRC7	16	Single-phase		124	921 556	13 330
	12-24 THREE B150-GRC7	12	Three-phase		129	921 557	12 730
	14-24 THREE B150-GRC7	14	Three-phase		123	921 558	13 630
	16-24 THREE B150-GRC7	16	Three-phase		124	921 559	14 130
	12-32 SINGLE B150-GRC7	12	Single-phase	32	128	921 564	12 590
	14-32 SINGLE B150-GRC7	14	Single-phase		123	921 565	13 490
	16-32 SINGLE B150-GRC7	16	Single-phase		124	921 566	13 790
	12-32 THREE B150-GRC7	12	Three-phase		129	921 567	13 190
	14-32 THREE B150-GRC7	14	Three-phase		123	921 568	14 090
	16-32 THREE B150-GRC7	16	Three-phase		124	921 569	14 590
	Gas hybrid – Room sealed version: OPTIPAC MR32 HYBRID GAS...						
	4-24 SINGLE B150-GVRC7	4	Single-phase	24	126	921 650	10 540
	6-24 SINGLE B150-GVRC7	6	Single-phase		123	921 651	10 840
	8-24 SINGLE B150-GVRC7	8	Single-phase		119	921 652	11 240
	10-24 SINGLE B150-GVRC7	10	Single-phase		128	921 653	11 840
	12-24 SINGLE B150-GVRC7	12	Single-phase		128	921 654	12 640
	14-24 SINGLE B150-GVRC7	14	Single-phase		123	921 655	13 540
	16-24 SINGLE B150-GVRC7	16	Single-phase		124	921 656	13 840
	12-24 THREE B150-GVRC7	12	Three-phase		129	921 657	13 240
	14-24 THREE B150-GVRC7	14	Three-phase		123	921 658	14 140
	16-24 THREE B150-GVRC7	16	Three-phase		124	921 659	14 640
	12-32 SINGLE B150-GVRC7	12	Single-phase	32	128	921 664	13 110
	14-32 SINGLE B150-GVRC7	14	Single-phase		123	921 665	14 010
	16-32 SINGLE B150-GVRC7	16	Single-phase		124	921 666	14 310
	12-32 THREE B150-GVRC7	12	Three-phase		129	921 667	13 710
	14-32 THREE B150-GVRC7	14	Three-phase		123	921 668	14 610
	16-32 THREE B150-GVRC7	16	Three-phase		124	921 669	15 110

OptiPac MR32 Hybrid Gas – Heating + Integrated DHW – OPP37



N°	Designation	Page	Ref	€ Excl. tax
101	**Model selection according to required output and flue connection**			
	Chimney connection – OptiPac MR32 Hybrid Gas			
>	4-24 Single-phase B150-GRC7	80	**921 550**	**10 030**
>	6-24 Single-phase B150-GRC7		**921 551**	**10 330**
>	8-24 Single-phase B150-GRC7		**921 552**	**10 730**
>	10-24 Single-phase B150-GRC7		**921 553**	**11 330**
>	12-24 Single-phase B150-GRC7		**921 554**	**12 130**
>	14-24 Single-phase B150-GRC7		**921 555**	**13 030**
>	16-24 Single-phase B150-GRC7		**921 556**	**13 330**
>	12-24 Three-phase B150-GRC7		**921 557**	**12 730**
>	14-24 Three-phase B150-GRC7		**921 558**	**13 630**
>	16-24 Three-phase B150-GRC7		**921 559**	**14 130**
>	12-32 Single-phase B150-GRC7		**921 564**	**12 590**
>	14-32 Single-phase B150-GRC7		**921 565**	**13 490**
>	16-32 Single-phase B150-GRC7		**921 566**	**13 790**
>	12-32 Three-phase B150-GRC7		**921 567**	**13 190**
>	14-32 Three-phase B150-GRC7		**921 568**	**14 090**
>	16-32 Three-phase B150-GRC7		**921 569**	**14 590**
	Room sealed connection – OptiPac MR32 Hybrid Gas			
>	4-24 Single-phase B150-GVRC7	80	**921 650**	**10 540**
>	6-24 Single-phase B150-GVRC7		**921 651**	**10 840**
>	8-24 Single-phase B150-GVRC7		**921 652**	**11 240**
>	10-24 Single-phase B150-GVRC7		**921 653**	**11 840**
>	12-24 Single-phase B150-GVRC7		**921 654**	**12 640**
>	14-24 Single-phase B150-GVRC7		**921 655**	**13 540**
>	16-24 Single-phase B150-GVRC7		**921 656**	**13 840**
>	12-24 Three-phase B150-GVRC7		**921 657**	**13 240**
>	14-24 Three-phase B150-GVRC7		**921 658**	**14 140**
>	16-24 Three-phase B150-GVRC7		**921 659**	**14 640**
>	12-32 Single-phase B150-GVRC7		**921 664**	**13 110**
>	14-32 Single-phase B150-GVRC7		**921 665**	**14 010**
>	16-32 Single-phase B150-GVRC7		**921 666**	**14 310**
>	12-32 Three-phase B150-GVRC7		**921 667**	**13 710**
>	14-32 Three-phase B150-GVRC7		**921 668**	**14 610**
>	16-32 Three-phase B150-GVRC7		**921 669**	**15 110**
121	**Mandatory accessories**			
>	UE-SD Protection Kit	84	**900 642**	**560**
151	**Mandatory choice of outdoor sensor type**			
>	Outdoor Sensor C+ – Wired	84	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**

N°	Designation	Page	Ref	€ Excl. tax
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Choice of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV Bracket (max. 35-litre vessel)		**900 564**	**97**
301	**Heating circuit no. 1**			
>	MHD	210	**900 420**	**421**
311	**Two-way valve – AUTO spring return – MM 1P (Mandatory if at least 2 circuits)**			
>	Two-way valve – AUTO spring return – MM 1P	84	**900 665**	**147**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	84	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If heating circuit no. 2**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
411	**Two-way valve – AUTO spring return – MM 1P**			
>	Two-way valve – AUTO spring return – MM 1P	84	**900 665**	**147**
451	**Mandatory choice of room sensor for circuit 2**			
>	C+ Room Sensor - Wired	84	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
901	**Commissioning**			
>	Gas burner	-	**MESBRG**	**390**

Hybrid Air/Water Heat Pumps
PELLETS Heating + Integrated DHW

OptiPac MR32 hybrid

Pellets

Heat pump output: 4 to 16 kW
Back-up: 12, 17, 23 or 33 kW

Heating + DHW production via external tank

Chimney

ENERGY A++

R32

Chimney version:Given the high performance of PERGE boilers, it is essential to line the flue in compliance with the regulations in force.
Material for flue connection (sealed flue):The flue duct must be made of 316L stainless steel.
Sealed flue version – Maximum connection distance:
Horizontal flue (type C13): 1 × 90° elbow + 3 × 1 m lengths (max. 1 m horizontal) + C13 terminal
Flue (type C33): 4 × 1 m lengths + C33 terminal
Flue (type B22/B23 or B32/B33): 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12
Flue diameter: Must be ≥ 125 mm beyond 6 m
In the case of B32/B33, the minimum chimney section must be 14 cm x 14 cm

Outdoor unit includes:
- Internal R32 refrigerant circuit with Mitsubishi Twin-Rotary inverter compressor, anti-liquid shock accumulator, electronic expansion valve, Panasonic inverter fan motor, R32 air exchanger with weather protection, and R32 water plate heat exchanger
- Hydraulic circuit with inverter circulator, 5-litre expansion vessel, safety valve, 1" M flow and return connections
- Easily accessible connection box
- Anti-frost heating cable in the condensate tray

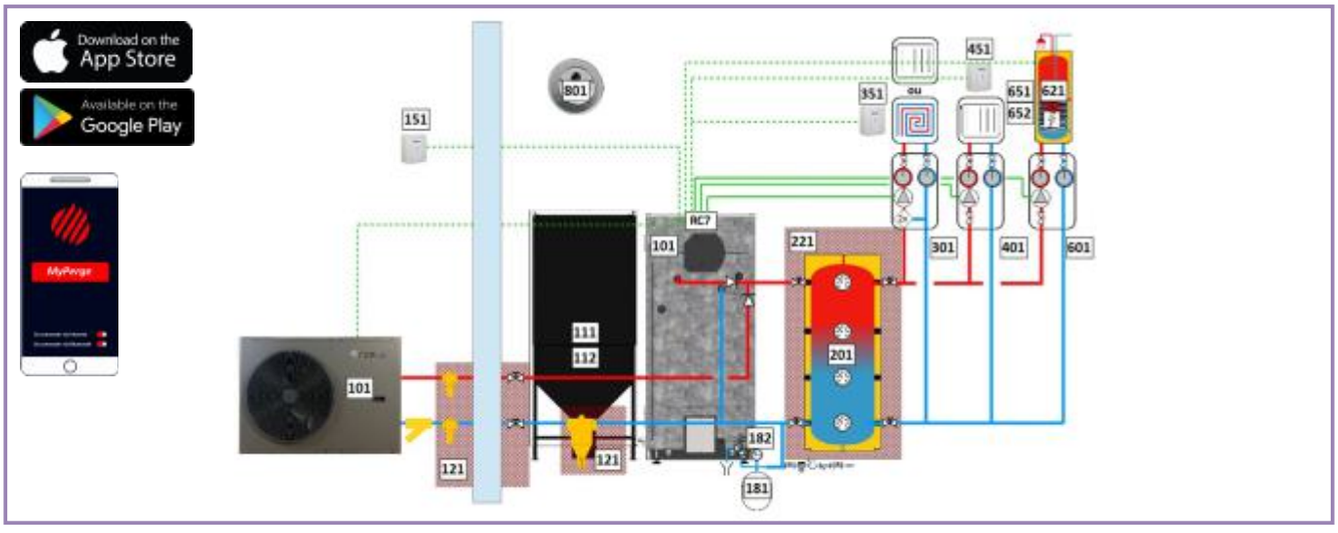
Indoor unit includes:
- 50-litre internal hydraulic volume
- Heat exchanger body allowing operation without mixing valve, with no limitation on return temperature and no risk of dew point inside the exchanger
- Blown-air burner for natural gas / propane
- 150-litre stainless steel domestic hot water tank
- DHW charging pump for DHW priority management
- Control and monitoring panel
- RC7: Class VII regulation with outdoor sensor and indoor compensation sensor. Local control via Bluetooth or internet, and remote control via internet
- PLC kit: 2 PLC plugs and 2 RJ45 cables (2.00 m each)
- Hydraulic connection not included

Communication:
- ModBus: 3 × 0.75 mm² shielded cable
- Internet: RJ45 Ethernet cable or PLC plug

Packaging:
- 1 × Outdoor unit
- 1 × B150 hybrid gas module

Description	Designation OptiPac Hybrid	Heat pump kW	Power supply	Back-up kW	SEER	Ref	€ Excl. tax
Pellet hybrid chimney models: OPTIPAC MR32 PELLET HYBRID...							
	4-12 SINGLE C-PRC7	4	Single-phase	12	125	902 400	12 800
	6-12 SINGLE C-PRC7	6	Single-phase		122	902 401	13 100
	8-12 SINGLE C-PRC7	8	Single-phase		120	902 402	13 500
	10-12 SINGLE C-PRC7	10	Single-phase		128	902 403	14 100
	6-17 SINGLE C-PRC7	6	Single-phase	17	122	902 451	13 300
	8-17 SINGLE C-PRC7	8	Single-phase		120	902 452	13 700
	10-17 SINGLE C-PRC7	10	Single-phase		128	902 453	14 300
	12-17 SINGLE C-PRC7	12	Single-phase		127	902 454	15 100
	14-17 SINGLE C-PRC7	14	Single-phase		122	902 455	16 000
	16-17 SINGLE C-PRC7	16	Single-phase		123	902 456	16 300
	12-17 THREE C-PRC7	12	Three-phase		127	902 457	15 700
	14-17 THREE C-PRC7	14	Three-phase		122	902 458	16 600
	16-17 THREE C-PRC7	16	Three-phase		123	902 459	17 100
	8-23 SINGLE C-PRC7	8	Single-phase	23	120	902 462	14 200
	10-23 SINGLE C-PRC7	10	Single-phase		128	902 463	14 800
	12-23 SINGLE C-PRC7	12	Single-phase		127	902 464	15 600
	14-23 SINGLE C-PRC7	14	Single-phase		122	902 465	16 500
	16-23 SINGLE C-PRC7	16	Single-phase		123	902 466	16 800
	12-23 THREE C-PRC7	12	Three-phase		127	902 467	16 200
	14-23 THREE C-PRC7	14	Three-phase		122	902 468	17 100
	16-23 THREE C-PRC7	16	Three-phase		123	902 469	17 600
	12-33 SINGLE C-PRC7	12	Single-phase	33	127	902 474	15 900
	14-33 SINGLE C-PRC7	14	Single-phase		122	902 475	16 800
	16-33 SINGLE C-PRC7	16	Single-phase		123	902 476	17 100
	12-33 THREE C-PRC7	12	Three-phase		127	902 477	16 500
	14-33 THREE C-PRC7	14	Three-phase		122	902 478	17 400
	16-33 THREE C-PRC7	16	Three-phase		123	902 479	17 900

OptiPac MR32 Hybrid Pellets – Heating only – OPP38



N°	Designation	Page	Ref	€ Excl. tax
101	**Model selection based on the required output**			
>	4-12 Single-phase C-PRC7	82	**902 400**	**12 800**
>	6-12 Single-phase C-PRC7		**902 401**	**13 100**
>	8-12 Single-phase C-PRC7		**902 402**	**13 500**
>	10-12 Single-phase C-PRC7		**902 403**	**14 100**
>	6-17 Single-phase C-PRC7		**902 451**	**13 300**
>	8-17 Single-phase C-PRC7		**902 452**	**13 700**
>	10-17 Single-phase C-PRC7		**902 453**	**14 300**
>	12-17 Single-phase C-PRC7		**902 454**	**15 100**
>	14-17 Single-phase C-PRC7		**902 455**	**16 000**
>	16-17 Single-phase C-PRC7		**902 456**	**16 300**
>	12-17 Three-phase C-PRC7		**902 457**	**15 700**
>	14-17 Three-phase C-PRC7		**902 458**	**16 600**
>	16-17 Three-phase C-PRC7		**902 459**	**17 100**
>	8-23 Single-phase C-PRC7		**902 462**	**14 200**
>	10-23 Single-phase C-PRC7		**902 463**	**14 800**
>	12-23 Single-phase C-PRC7		**902 464**	**15 600**
>	14-23 Single-phase C-PRC7		**902 465**	**16 500**
>	16-23 Single-phase C-PRC7		**902 466**	**16 800**
>	12-23 Three-phase C-PRC7		**902 467**	**16 200**
>	14-23 Three-phase C-PRC7		**902 468**	**17 100**
>	16-23 Three-phase C-PRC7		**902 469**	**17 600**
>	12-33 Single-phase C-PRC7		**902 474**	**15 900**
>	14-33 Single-phase C-PRC7		**902 475**	**16 800**
>	16-33 Single-phase C-PRC7		**902 476**	**17 100**
>	12-33 Three-phase C-PRC7		**902 477**	**16 500**
>	14-33 Three-phase C-PRC7		**902 478**	**17 400**
>	16-33 Three-phase C-PRC7		**902 479**	**17 900**
111	**MiniSilo with 250 kg storage capacity**			
>	MiniSilo OptiPellet	116	**902 820**	**990**
112	**Riser required for OptiPellet 33 kW**			
>	MiniSilo Riser 33	116	**902 826**	**200**
121	**UE Protection Kit (mandatory)**			
>	UE Protection Kit	84	**900 639**	**495**
151	**Mandatory choice of outdoor sensor type**			
>	Outdoor Sensor C+ – Wired	84	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Choice of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV Bracket (max. 35-litre vessel)		**900 564**	**97**
201	**Mixing bottle selection**			
>	BM 100 Mixing bottle	206	**900 620**	**704**
>	BM 200 Mixing bottle		**900 622**	**882**
>	BM 300 Mixing bottle		**900 623**	**1 111**

N°	Designation	Page	Ref	€ HT
221	**Mixing bottle connection accessories**			
>	BM-3P Accessory (BM100, BM200)	206	**900 671**	**297**
>	BM-4P Accessory (BM300)		**900 672**	**331**
301	**Heating circuit no. 1 – Hydraulic module selection**			
>	MHD	210	**900 420**	**421**
>	MH2X (for two circuits with different T°)		**900 493**	**541**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	84	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If heating circuit no. 2**			
>	MHD	210	**900 420**	**421**
451	**Mandatory choice of room sensor for circuit 2**			
>	C+ Room Sensor - Wired	84	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**DHW hydraulic module with circulator and DHW sensor Or DHW sensor only, if an existing DHW charging pump is retained**			
>	MHP RC7	84	**900 478**	**452**
>	DHW Sensor for Connect		**992 041**	**12**
621	**DHW tank selection according to capacity**			
>	PE 150/1S - Grey 150 l	209	**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**
651	**If mixed electric DHW tank choose immersion heater according to power and power supply type**			
>	TR30 Single-phase 3kW	209	**900 301**	**419**
>	TR45 Single-phase 4,5kW		**900 446**	**427**
>	TR60 Single-phase 6kW		**900 447**	**773**
>	TR30 Three-phase 3kW		**900 555**	**490**
>	TR45 Three-phase 4,5kW		**900 448**	**543**
>	TR60 Three-phase 6kW		**900 449**	**559**
652	**Flange required for TR immersion heater**			
>	TR/PE Flange	209	**900 450**	**65**
801	**Draft stabilizer**			
>	MT150 – Diameter 150 mm	212	**900 466**	**167**
>	MT180 – Diameter 180 mm		**900 467**	**247**

Hybrid OptiPac MR32 : Mandatory Accessories 1 room sensor per circuit and 1 outdoor sensor required

Designation		Description	Réf	€ Excl. tax
	**Outdoor Sensor C+ – Wired**	Connection via 2 wires of max. 0.75 mm² – not supplied	**900 600**	**60**
	Outdoor or Room Sensor C+ – Wireless	Supplied with batteries	**900 601**	**115**
	Room Sensor C+ – Wired	Connection via 2 wires of max. 0.75 mm² – not supplied	**900 602**	**60**
	Outdoor or Room Sensor C+ – Wireless	Supplied with batteries	**900 601**	**115**
	Room Sensor C+ – Wired with Manual Comfort Adjustment	Connection via 2 wires of max. 0.75 mm² – not supplied. Manual comfort temperature adjustment	**900 604**	**80**
	Room Sensor C+ – Wireless with Manual Comfort Adjustment	Supplied with batteries. Manual comfort temperature adjustment	**900 605**	**138**
UE Protection Kit		Protection kit for the outdoor unit including:2 × 1" male anti-freeze safety valves 2 × shut-off valves 1 × dirt separator with magnetic filter	**900 639**	**495**
UE-SD Protection Kit		UE-SD Protection kit including:2 × 1" male anti-freeze safety valves 2 × shut-off valves 1 × dirt separator with magnetic filter 1 × differential pressure relief valve	**900 642**	**560**

Hybrid OptiPac MR32 – Flue Outlet Version: Specific Equipment

Designation	Description	Ref	€ Excl. tax
Vertical terminal	Vertical outlet – Length 850 mm – Diameter 80–125 mm – Stainless steel (INOX)	**880 010**	**166**
Horizontal terminal	Adjustable horizontal outlet – Diameter 80–125 mm – Stainless steel (INOX)	**880 011**	**158**
Length 930 mm	Straight element – Length 930 mm – Diameter 80–125 mm – Stainless steel (INOX)	**880 020**	**101**
Length 375–510 mm	Adjustable straight element – Length 375–510 mm – Diameter 80–125 mm – Stainless steel (INOX)	**880 023**	**101**
Length 425 mm	Straight element – Length 425 mm – Diameter 80–125 mm – Stainless steel (INOX)	**880 024**	**73**
Length 260 mm	Straight element – Length 260 mm – Diameter 80–125 mm – Stainless steel (INOX)	**880 025**	**64**
45° elbow	45° elbow – Diameter 80–125 mm – Stainless steel (INOX)	**880 040**	**92**
87° elbow	87° elbow – Diameter 80–125 mm – Stainless steel (INOX)	**880 043**	**101**
Condensate & measurement element	Condensate and measurement element – Diameter 80–125 mm – Stainless steel (INOX)	**880 051**	**122**
Drain trap	Drain plug – Diameter 80–125 mm – Stainless steel (INOX)	**880 061**	**39**
Finishing rosette	Finishing rosette – Diameter 80–125 mm – Silicone	**880 113**	**8**
Finishing rosette	Finishing rosette – Diameter 80–125 mm – Stainless steel (INOX)	**880 130**	**31**
Roof flashing 30°/45°	Roof flashing – 30°/45° pitch – Diameter 80–125 mm – Stainless steel (INOX)	**880 171**	**235**
Roof flashing 5°/30°	Roof flashing – 5°/30° pitch – Diameter 80–125 mm – Stainless steel (INOX)	**880 181**	**235**
Flat roof flashing	Flat roof flashing – Diameter 80–125 mm – Stainless steel (INOX)	**880 191**	**233**
Sealing gasket	Sealing gasket – Roof collar – Diameter 80–125 mm – Stainless steel (INOX)	**880 902**	**9**
Wall bracket	Wall bracket – Diameter 125 mm	**843 086**	**36**
Union clamp	Union clamp – Diameter 125 mm	**843 070**	**9**

Hybrid OptiPac MR32 : Optional Specific Equipment

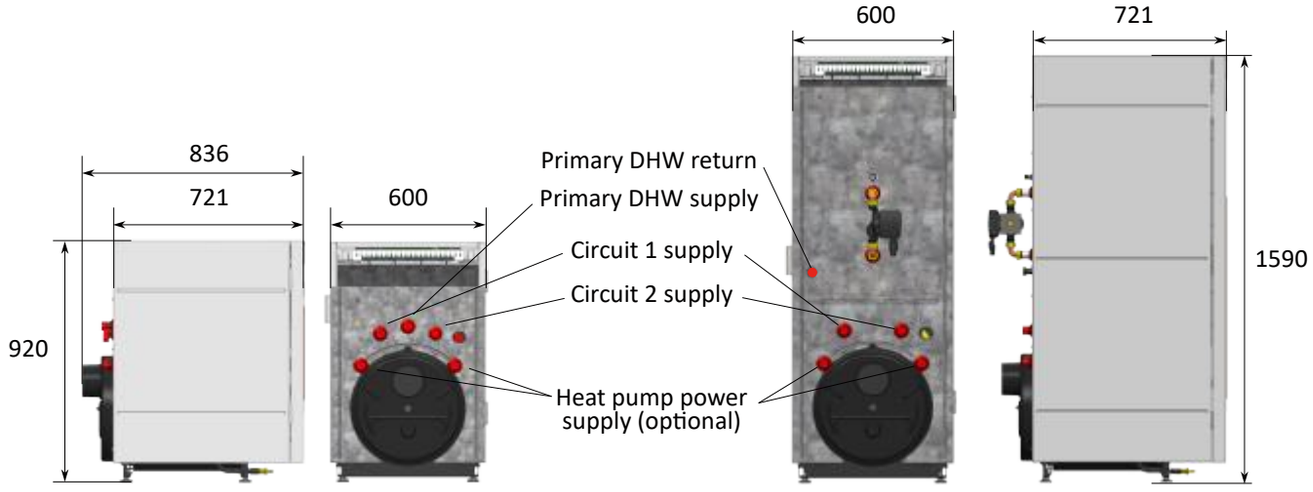
Designation	Description	Ref	€ Excl. tax
Heating circuit			
MHD	**Direct hydraulic module (for circuit no. 2)**	**900 420**	**421**
MHD - V2V	More information on page 208	**900 666**	**573**
MH2X	**Direct hydraulic module with Duotherm (for underfloor heating)**	**900 493**	**541**
MH2X - V2V	More information on page 208	**900 667**	**693**
V2V	**Two-way valve with automatic return.** Mandatory on each heating circuit when there is more than one circuit. DHW production counts as one circuit. One two-way valve is supplied with the indoor hybrid unit with integrated DHW.	**900 665**	**147**
DHW priority			
MHP RC7	**Hydraulic module with DHW priority for connected boiler**	**900 478**	**452**
MHP RC7 - V2V	More information on page 211	**900 668**	**604**
DHW temperature sensor	**Temperature sensor for independent DHW tank and existing charging pump.** Enables DHW priority control with the RC7 regulation system.	**992 041** (B)	**12**

Standard Optional Accessories

Description	More information, page...
Expansion vessels and safety valves	**211**
Mixing bottles	**206**
Domestic hot water tanks	**209**
Electric back-up heaters	**209**

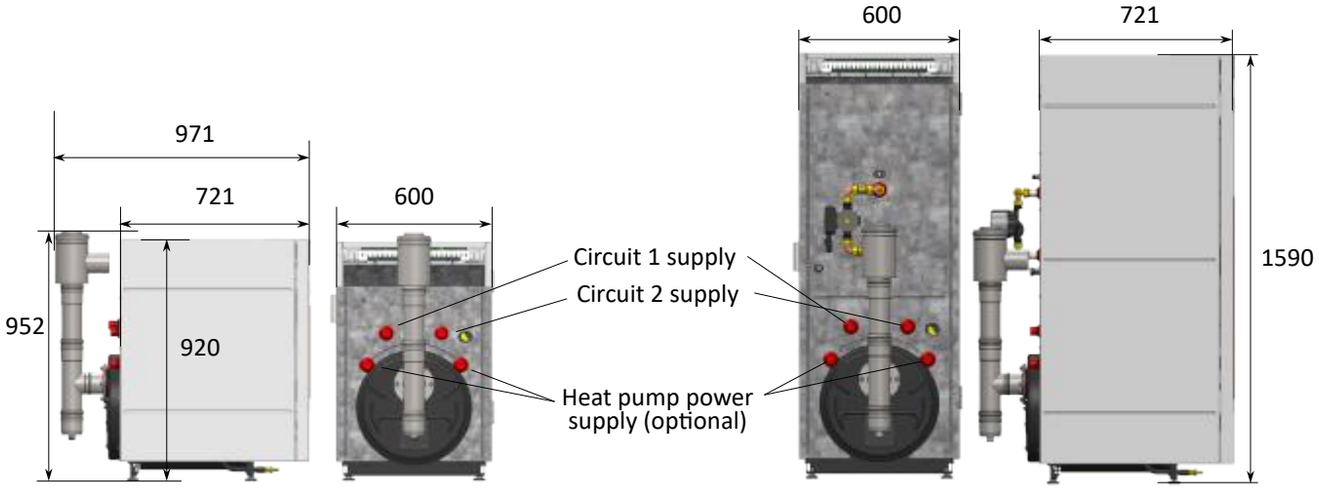
Dimensional Specifications

Indoor unit – Hybrid heat pump oil or gas – Chimney version



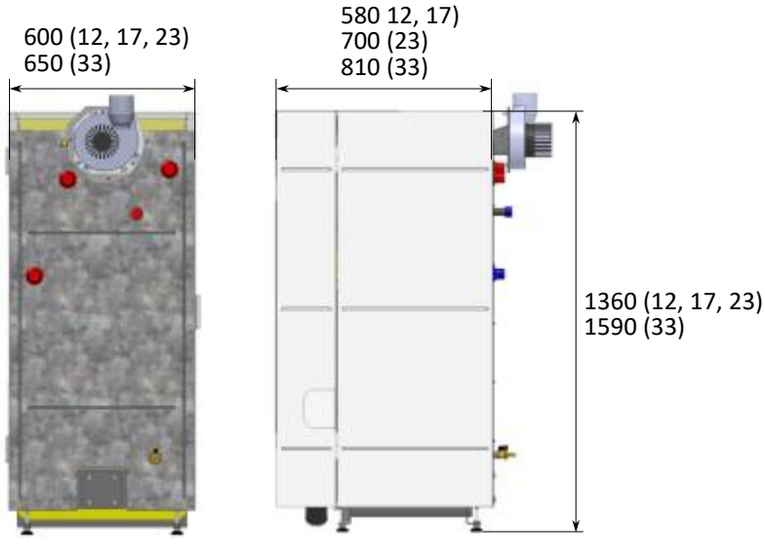
Flue outlet – Diameter 125 mm (24) or 150 mm (32)

Indoor unit – Hybrid heat pump oil or gas – Room sealed version



Concentric flue outlet 80/125

Indoor unit – Hybrid heat pump – Pellets



High Temperature Air/Water Monobloc Heat Pumps – R290

OptiPac MR290

Outdoor Units – Technical and Dimensional Specifications

Models	Single-phase					Three-phase	
	4	7	9	12	16	12 Three	16 Three
Electrical connections							
Power supply, number of phases	1 Ph+N					3 Ph+N	
Supply voltage	230V - 50Hz					400V - 50Hz	
Current consumption (A)	12	16	19	26	35	10	12
Protection (A – Curve D)	16	20	25	32	40	16	16
Power cables	3G2,5mm²	3G2,5mm²	3G4mm²	3G6mm²	3G10mm²	5G2,5mm²	5G2,5mm²
Electric booster power (kW)	3					3 x 3	
Dimensions and weight							
a) Pallet packaging							
Height (mm)	982	1 040	1 040	1 560	1 560	1 560	1 560
Width (mm)	1 260	1 285	1 285	1 260	1 260	1 260	1 260
Depth (mm)	488	495	495	478	478	478	478
Weight (kg)	116	137	149	182	210	194	223
b) Device							
Height (mm)	803	854	854	1 365	1 365	1 365	1 365
Width (mm)	1 155	1 223	1 223	1 155	1 155	1 155	1 155
Depth (mm)	422	461	461	448	448	448	448
Weight (kg)	101	122	134	161	186	173	199
Refrigerant							
Refrigerant type	R290						
Refrigerant charge (kg)	0,61	0,83	1,00	1,20	1,65	1,20	1,65
Hydraulics							
Hydraulic connections	Heating Flow - Return: 1" M						
Maximum operating pressure (bar)	3						
Expansion vessel volume (L)	6						
Safety valve pressure setting (bar)	3						
Minimum flow rate without buffer tank (L/h)	600 l/h						
Minimum buffer volume (L)	25	25	25	25	40	40	40
Operating range							
Heating – Water temperature (°C)	+25° / +75°						
Cooling – Water temperature (°C)	+7° / +25°						
Heating – Outdoor temperature (°C)	-25° / +35°						
Cooling – Outdoor temperature (°C)	-5° / +43°						
DHW mode - Outdoor temperature (°C)	-25° / +43°						
Performance							
Seasonal Energy Efficiency – Heating (35°C)	200	206	185	190	182	190	182
Energy Class – Heating (35°C)	A+++	A+++	A+++	A+++	A+++	A+++	A+++
SCOP – Heating (35°C)	5,07	5,21	4,69	4,82	4,63	4,82	4,63
Seasonal Energy Efficiency – Heating (55°C)	150	151	150	155	133	155	133
Energy Class – Heating (55°C)	A+++	A+++	A+++	A+++	A++	A+++	A++
SCOP – Heating (55°C)	3,83	3,84	3,83	3,94	3,40	3,94	3,40
Acoustics							
Sound pressure at 5 m (dB)	28	29	31	34	38	34	38

Delivery from July 2025

Hybrid Air/Water Heat Pumps BIO-OIL Heating

Hybrid OptiPac MR290

BIO-OIL READY F30
F100 HVO XTL

kW **Heat pump output: 4 to 16 kW**
Back-up: 24 or 32 kW

Heating only or heating + DHW production via an independent storage tank

Chimney or Room sealed

ENERGY A++

R290

Chimney version:Given the high performance of PERGE boilers, it is essential to line the flue in compliance with the regulations in force.
Material for flue connection (sealed flue):The flue duct must be made of 316L stainless steel.
Sealed flue version – Maximum connection distance:
Horizontal flue (type C13): 1 × 90° elbow + 3 × 1 m lengths (max. 1 m horizontal) + C13 terminal
Flue (type C33): 4 × 1 m lengths + C33 terminal
Flue (type B22/B23 or B32/B33): 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12
Flue diameter: Must be ≥ 125 mm beyond 6 m/ In the case of B32/B33, the minimum chimney section must be 14 cm x 14 cm

Outdoor unit includes:
- Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, anti-liquid shock accumulator, electronic expansion valve, Panasonic DC inverter fan motor, R290 air heat exchanger with weather protection, and R290 water plate heat exchanger
- Hydraulic circuit with DC inverter circulator, 6-litre expansion vessel, safety valve, 1" M flow and return connections
- Degassing bottle
- Easily accessible connection box
- Anti-frost heating cable in the condensate tray

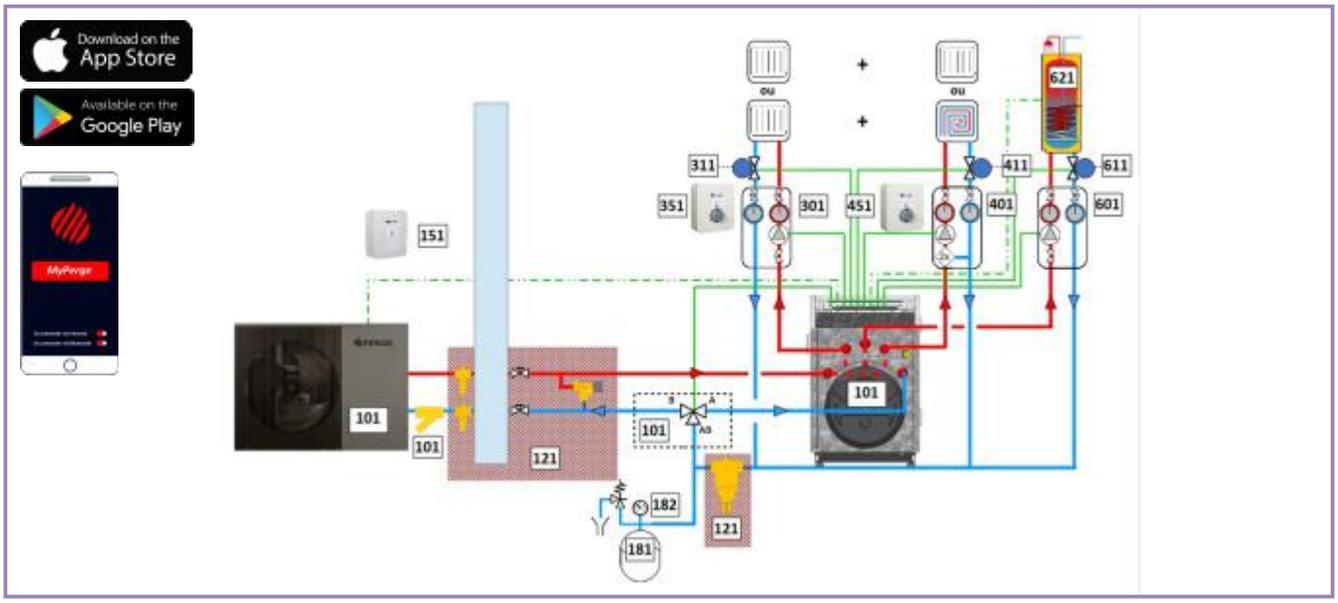
Indoor unit includes:
- 50-litre internal hydraulic volume
- Heat exchanger body allowing operation without mixing valve, without return temperature limitation and without dew point risk inside the exchanger
- Bio-oil-compatible burner
- Control and monitoring panel
- RC7: Class VII control with outdoor sensor and indoor compensation sensor. Local control via Bluetooth or internet, and remote control via internet
- PLC kit: 2 PLC sockets and 2 RJ45 cables (2.00 m each)
- Hydraulic connection not included

Communication:
- ModBus: 3 × 0.75 mm² shielded cable
- Internet: RJ45 Ethernet cable or PLC socket

Packaging:
- 1 × Outdoor unit
- 1 × Hybrid oil module C

Description	Designation OptiPac Hybrid	Heat pump kW	Power supply	Back-up kW	SEER	Ref	€ Excl. tax
Bio-oil hybrid – Chimney version: OPTIPAC MR290 HYBRID OIL...							
	4-24 Single C-F30RC7	4	Single-phase	24	138	921 220	9 240
	7-24 Single C-F30RC7	7	Single-phase		139	921 221	9 840
	9-24 Single C-F30RC7	9	Single-phase		136	921 222	10 340
	12-24 Single C-F30RC7	12	Single-phase		139	921 223	11 440
	16-24 Single C-F30RC7	16	Single-phase		126	921 224	13 040
	12-24 Three C-F30RC7	12	Three-phase		139	921 225	11 840
	16-24 Three C-F30RC7	16	Three-phase		126	921 226	13 440
	12-32 Single C-F30RC7	12	Single-phase	32	139	921 233	11 900
	16-32 Single C-F30RC7	16	Single-phase		126	921 234	13 500
	12-32 Three C-F30RC7	12	Three-phase		139	921 235	12 300
	16-32 Three C-F30RC7	16	Three-phase		126	921 236	13 900
Bio-oil hybrid – Room sealed version: OPTIPAC MR290 HYBRID OIL...							
	4-24 Single C-F30VRC7	4	Single-phase	24	138	921 320	9 760
	7-24 Single C-F30VRC7	7	Single-phase		139	921 321	10 360
	9-24 Single C-F30VRC7	9	Single-phase		136	921 322	10 860
	12-24 Single C-F30VRC7	12	Single-phase		139	921 323	11 960
	16-24 Single C-F30VRC7	16	Single-phase		126	921 324	13 560
	12-24 Three C-F30VRC7	12	Three-phase		139	921 325	12 360
	16-24 Three C-F30VRC7	16	Three-phase		126	921 326	13 960
	12-32 Single C-F30VRC7	12	Single-phase	32	139	921 333	12 420
	16-32 Single C-F30VRC7	16	Single-phase		126	921 334	14 020
	12-32 Three C-F30VRC7	12	Three-phase		139	921 335	12 820
	16-32 Three C-F30VRC7	16	Three-phase		126	921 336	14 420

OptiPac MR290 Hybrid Oil – Heating only – OPP71



N°	Designation	Page	Ref	€ Excl. tax
101	**Model selection according to required output and flue connection**			
	Chimney connection - OptiPac MR290 hybrid oil...			
>	4-24 Single-phase C-F30RC7	88	**921 220**	**9 240**
>	7-24 Single-phase C-F30RC7		**921 221**	**9 840**
>	9-24 Single-phase C-F30RC7		**921 222**	**10 340**
>	12-24 Single-phase C-F30RC7		**921 223**	**11 440**
>	16-24 Single-phase C-F30RC7		**921 224**	**13 040**
>	12-24 Three-phase C-F30RC7		**921 225**	**11 840**
>	16-24 Three-phase C-F30RC7		**921 226**	**13 440**
>	12-32 Single-phase C-F30RC7		**921 233**	**11 900**
>	16-32 Single-phase C-F30RC7		**921 234**	**13 500**
>	12-32 Three-phase C-F30RC7		**921 235**	**12 300**
>	16-32 Three-phase C-F30RC7		**921 236**	**13 900**
	Room sealed connection - OptiPac MR290 hybrid oil...			
>	4-24 Single-phase C-F30VRC7	88	**921 320**	**9 760**
>	7-24 Single-phase C-F30VRC7		**921 321**	**10 360**
>	9-24 Single-phase C-F30VRC7		**921 322**	**10 860**
>	12-24 Single-phase C-F30VRC7		**921 323**	**11 960**
>	16-24 Single-phase C-F30VRC7		**921 324**	**13 560**
>	12-24 Three-phase C-F30VRC7		**921 325**	**12 360**
>	16-24 Three-phase C-F30VRC7		**921 326**	**13 960**
>	12-32 Single-phase C-F30VRC7		**921 333**	**12 420**
>	16-32 Single-phase C-F30VRC7		**921 334**	**14 020**
>	12-32 Three-phase C-F30VRC7		**921 335**	**12 820**
>	16-32 Three-phase C-F30VRC7		**921 336**	**14 420**
121	**UE Protection Kit (mandatory)**			
>	UE-SD Protection Kit	98	**900 642**	**560**
151	**Mandatory choice of outdoor sensor type**			
>	Outdoor Sensor C+ – Wired	98	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Choice of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV Bracket (max. 35-litre vessel)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit no. 1**			
>	MHD	210	**900 420**	**421**
311	**Two-way valve – AUTO spring return – MM 1P (Mandatory if at least 2 circuits)**			
>	Two-way valve – AUTO spring return – MM 1P	98	**900 665**	**147**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	98	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If heating circuit no. 2**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
411	**Two-way valve – AUTO spring return – MM 1P**			
>	Vanne 2 voies Rappel AUTO MM 1P	98	**900 665**	**147**
451	**Mandatory choice of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	98	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**DHW hydraulic module with circulator and DHW sensor Or DHW sensor only, if an existing DHW charging pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	DHW Sensor for Connect		**992 041**	**12**
611	**Two-way valve – AUTO spring return – MM 1P**			
>	Two-way valve – AUTO spring return – MM 1P	98	**900 665**	**147**
621	**DHW tank selection according to capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

Delivery from July 2025

Hybrid Air/Water Heat Pumps
BIO-OIL Heating + Integrated DHW

Hybrid OptiPac MR290

BIO-OIL READY F30
F100 HVO XTL

kW **Heat pump output: 4 to 16 kW**
Back-up: 24 or 32 kW

Heating only or heating + DHW production via an independent storage tank

Chimney or Room sealed

ENERGY A++

R290

Chimney version:Given the high performance of PERGE boilers, it is essential to line the flue in compliance with the regulations in force.
Material for flue connection (sealed flue):The flue duct must be made of 316L stainless steel.
Sealed flue version – Maximum connection distance:
Horizontal flue (type C13): 1 × 90° elbow + 3 × 1 m lengths (max. 1 m horizontal) + C13 terminal
Flue (type C33): 4 × 1 m lengths + C33 terminal
Flue (type B22/B23 or B32/B33): 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12
Flue diameter: Must be ≥ 125 mm beyond 6 m/ In the case of B32/B33, the minimum chimney section must be 14 cm x 14 cm

Outdoor unit includes:
- Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, anti-liquid shock accumulator, electronic expansion valve, Panasonic DC inverter fan motor, R290 air heat exchanger with weather protection, and R290 water plate heat exchanger
- Hydraulic circuit with DC inverter circulator, 6-litre expansion vessel, safety valve, 1" M flow and return connection
- Degassing bottle
- Easily accessible connection box
- Anti-frost heating cable in the condensate tray

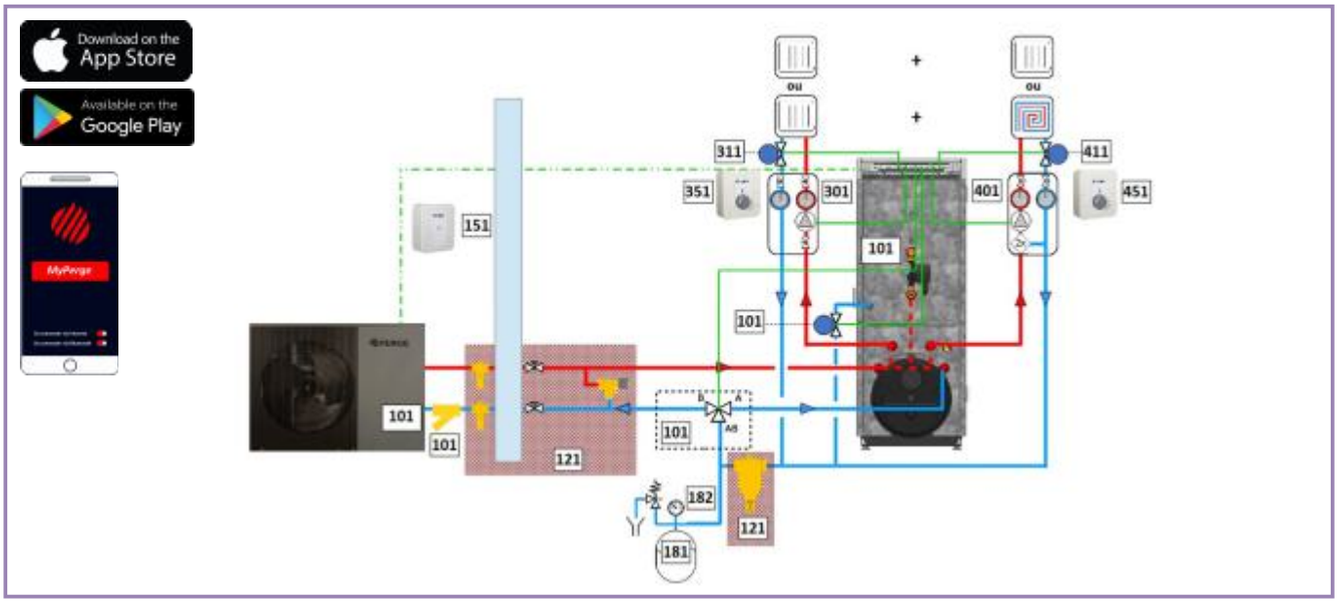
Indoor unit includes:
- 50-litre internal hydraulic volume
- Heat exchanger body allowing operation without mixing valve, without return temperature limitation and without dew point risk inside the exchanger
- Bio-oil-compatible burner
- 150-litre stainless steel domestic hot water tank
- DHW charging pump for DHW priority management
- Control and monitoring panel
- RC7: Class VII regulation with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet
- PLC kit: 2 PLC sockets and 2 RJ45 cables (2.00 m each)
- Hydraulic connection not included

Communication: ModBus: 3 × 0.75 mm² shielded cable /Internet: RJ45 Ethernet cable or PLC socket

Packaging:1 × Outdoor unit / 1 × B150 hybrid oil module

Description	Designation OptiPac Hybrid	Heat pump kW	Power supply	Back-up kW	SEER	Ref	€ Excl. tax
	Bio-oil hybrid – room sealed version : HYBRID OPTIPAC MR290 OIL...						
	4-24 single B150-F30RC7	4	Single-phase	24	138	921 250	10 910
	7-24 single B150-F30RC7	7	Single-phase		139	921 251	11 510
	9-24 single B150-F30RC7	9	Single-phase		136	921 252	12 010
	12-24 single B150-F30RC7	12	Single-phase		139	921 253	13 110
	16-24 single B150-F30RC7	16	Single-phase		126	921 254	14 710
	12-24 three B150-F30RC7	12	Three-phase		139	921 255	13 510
	16-24 three B150-F30RC7	16	Three-phase		126	921 256	15 110
	12-32 single B150-F30RC7	12	Single-phase	32	139	921 263	13 580
	16-32 single B150-F30RC7	16	Single-phase		126	921 264	15 180
	12-32 three B150-F30RC7	12	Three-phase		139	921 265	13 980
	16-32 three B150-F30RC7	16	Three-phase		126	921 266	15 580
	Bio-oil hybrid – room sealed version: HYBRID OPTIPAC MR290 OIL...						
	4-24 single B150-F30VRC7	4	Single-phase	24	138	921 350	11 430
	7-24 single B150-F30VRC7	7	Single-phase		139	921 351	12 030
	9-24 single B150-F30VRC7	9	Single-phase		136	921 352	12 530
	12-24 single B150-F30VRC7	12	Single-phase		139	921 353	13 630
	16-24 single B150-F30VRC7	16	Single-phase		126	921 354	15 230
	12-24 three B150-F30VRC7	12	Three-phase		139	921 355	14 030
	16-24 three B150-F30VRC7	16	Three-phase		126	921 356	15 630
	12-32 single B150-F30VRC7	12	Single-phase	32	139	921 363	14 100
	16-32 single B150-F30VRC7	16	Single-phase		126	921 364	15 700
	12-32 three B150-F30VRC7	12	Three-phase		139	921 365	14 500
	16-32 three B150-F30VRC7	16	Three-phase		126	921 366	16 100

OptiPac MR290 Hybrid Oil – Heating + Integrated DHW – OPP72



N°	Designation	Page	Ref	€ Excl. tax
101	**Model selection according to required output and flue connection**			
	Chimney connection - OptiPac MR290 hybrid oil...			
>	4-24 single-phase B150-F30RC7	90	**921 250**	**10 910**
>	7-24 single-phase B150-F30RC7		**921 251**	**11 510**
>	9-24 single-phase B150-F30RC7		**921 252**	**12 010**
>	12-24 single-phase B150-F30RC7		**921 253**	**13 110**
>	16-24 single-phase B150-F30RC7		**921 254**	**14 710**
>	12-24 three-phase B150-F30RC7		**921 255**	**13 510**
>	16-24 three-phase B150-F30RC7		**921 256**	**15 110**
>	12-32 single-phase B150-F30RC7		**921 263**	**13 580**
>	16-32 single-phase B150-F30RC7		**921 264**	**15 180**
>	12-32 three-phase B150-F30RC7		**921 265**	**13 980**
>	16-32 three-phase B150-F30RC7		**921 266**	**15 580**
	Room-sealed connection - OptiPac MR290 hybrid oil...			
>	4-24 single-phase B150-F30VRC7	90	**921 350**	**11 430**
>	7-24 single-phase B150-F30VRC7		**921 351**	**12 030**
>	9-24 single-phase B150-F30VRC7		**921 352**	**12 530**
>	12-24 single-phase B150-F30VRC7		**921 353**	**13 630**
>	16-24 single-phase B150-F30VRC7		**921 354**	**15 230**
>	12-24 three-phase B150-F30VRC7		**921 355**	**14 030**
>	16-24 three-phase B150-F30VRC7		**921 356**	**15 630**
>	12-32 single-phase B150-F30VRC7		**921 363**	**14 100**
>	16-32 single-phase B150-F30VRC7		**921 364**	**15 700**
>	12-32 three-phase B150-F30VRC7		**921 365**	**14 500**
>	16-32 three-phase B150-F30VRC7		**921 366**	**16 100**
121	**UE Protection Kit (mandatory)**			
>	UE-SD Protection Kit	98	**900 642**	**560**
151	**Mandatory choice of outdoor sensor type**			
>	Outdoor Sensor C+ – Wired	98	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**

N°	Designation	Page	Ref	€ Excl. tax
182	**Choice of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV Bracket (max. 35-litre vessel)		**900 564**	**97**
301	**Heating circuit no. 1**			
>	MHD	210	**900 420**	**421**
311	**Two-way valve – AUTO spring return – MM 1P (Mandatory if at least 2 circuits)**			
>	Two-way valve – AUTO spring return – MM 1P	98	**900 665**	**147**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	98	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If heating circuit no. 2**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
411	**Two-way valve – AUTO spring return – MM 1P**			
>	Vanne 2 voies Rappel AUTO MM 1P	98	**900 665**	**147**
451	**Mandatory choice of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	98	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**

Delivery from July 2025

Hybrid Air/Water Heat Pumps GAS Heating

Hybrid OptiPac MR290

Heat pump output: 4 to 16 kW
Back-up: 24 or 32 kW

Natural gas or Propane

Heating only or heating + DHW production via an independent storage tank

Chimney or Flue outlet

ENERGY A++

R290

Chimney version:Given the high performance of PERGE boilers, it is essential to line the flue in compliance with the regulations in force.
Material for flue connection (sealed flue):The flue duct must be made of 316L stainless steel.
Sealed flue version – Maximum connection distance:
Horizontal flue (type C13): 1 × 90° elbow + 3 × 1 m lengths (max. 1 m horizontal) + C13 terminal
Flue (type C33): 4 × 1 m lengths + C33 terminal
Flue (type B22/B23 or B32/B33): 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12
Flue diameter: Must be ≥ 125 mm beyond 6 m/ In the case of B32/B33, the minimum chimney section must be 14 cm x 14 cm

Outdoor unit includes:
- Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, anti-liquid shock accumulator, electronic expansion valve, Panasonic DC inverter fan motor, R290 air heat exchanger with weather protection, and R290 water plate heat exchanger
- Hydraulic circuit with DC inverter circulator, 6-litre expansion vessel, safety valve, 1" M flow and return connections
- Degassing bottle
- Easily accessible connection box
- Anti-frost heating cable in the condensate tray

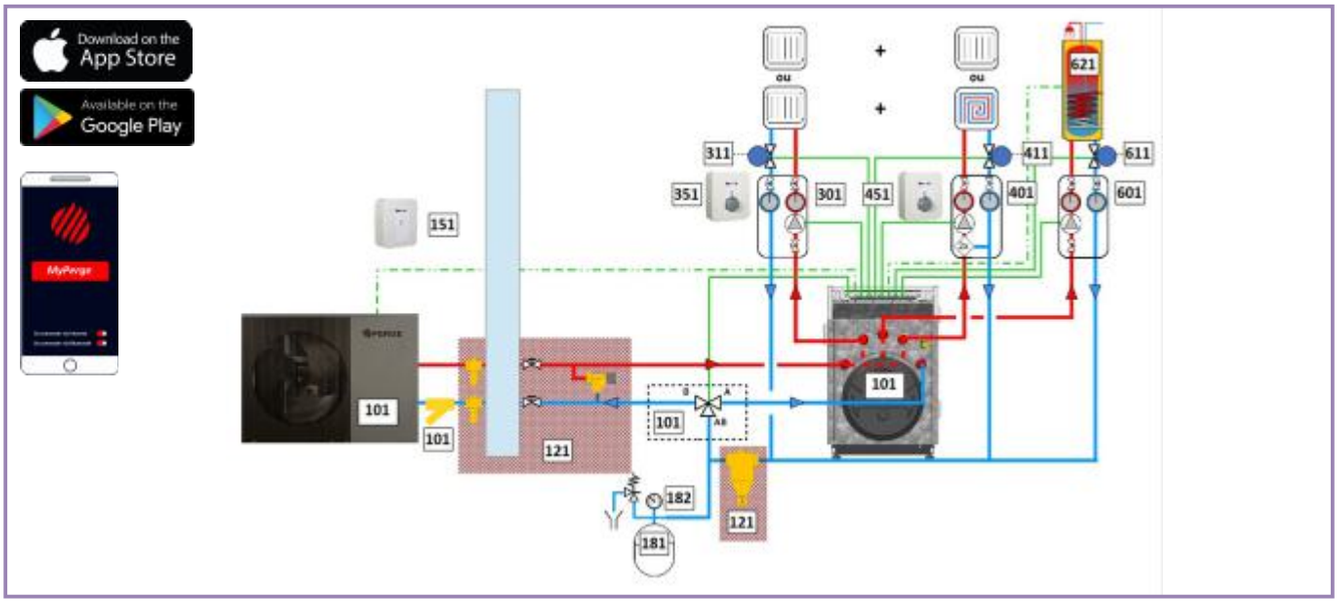
Indoor unit includes:
- 50-litre internal hydraulic volume
- Heat exchanger body allowing operation without mixing valve, with no limitation on return temperature and no risk of dew point inside the exchanger
- Blown-air burner for natural gas / propane
- Control and monitoring panel
- RC7: Class VII regulation with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet
- PLC kit: 2 PLC sockets and 2 RJ45 cables (2.00 m each)
- Hydraulic connection not included

Communication:
- ModBus: 3 × 0.75 mm² shielded cable
- Internet: RJ45 Ethernet cable or PLC socket

Packaging:
- 1 × Outdoor unit
- 1 × Hybrid gas module C

Description	Designation OptiPac Hybrid	Heat pump kW	Power supply	Back-up kW	SEER	Ref	€ Excl. tax
	Gas hybrid chimney: OPTIPAC MR290 HYBRID GAS...						
	4-24 single C-GRC7	4	Single-phase	24	138	921 720	9 550
	7-24 single C-GRC7	7	Single-phase		139	921 721	10 150
	9-24 single C-GRC7	9	Single-phase		136	921 722	10 650
	12-24 single C-GRC7	12	Single-phase		139	921 723	11 750
	16-24 single C-GRC7	16	Single-phase		126	921 724	13 350
	12-24 three C-GRC7	12	Three-phase		139	921 725	12 150
	16-24 three C-GRC7	16	Three-phase		126	921 726	13 750
	12-32 single C-GRC7	12	Single-phase	32	139	921 733	12 210
	16-32 single C-GRC7	16	Single-phase		126	921 734	13 810
	12-32 three C-GRC7	12	Three-phase		139	921 735	12 610
	16-32 three C-GRC7	16	Three-phase		126	921 736	14 210
	Gas hybrid room-sealed: OPTIPAC MR290 HYBRID GAS...						
	4-24 single C-GVRC7	4	Single-phase	24	138	921 820	10 070
	7-24 single C-GVRC7	7	Single-phase		139	921 821	10 670
	9-24 single C-GVRC7	9	Single-phase		136	921 822	11 170
	12-24 single C-GVRC7	12	Single-phase		139	921 823	12 270
	16-24 single C-GVRC7	16	Single-phase		126	921 824	13 870
	12-24 three C-GVRC7	12	Three-phase		139	921 825	12 670
	16-24 three C-GVRC7	16	Three-phase		126	921 826	14 270
	12-32 single C-GVRC7	12	Single-phase	32	139	921 833	12 730
	16-32 single C-GVRC7	16	Single-phase		126	921 834	14 330
	12-32 three C-GVRC7	12	Three-phase		139	921 835	13 130
	16-32 three C-GVRC7	16	Three-phase		126	921 836	14 730

OptiPac MR290 Hybrid Gas – Heating only – OPP76



N°	Designation	Page	Ref	€ Excl. tax
101	**Model selection according to required output and flue connection**			
	Chimney connection - OptiPac MR290 hybrid gas...			
>	4-24 single-phase C-GRC7	92	**921 720**	**9 550**
>	7-24 single-phase C-GRC7		**921 721**	**10 150**
>	9-24 single-phase C-GRC7		**921 722**	**10 650**
>	12-24 single-phase C-GRC7		**921 723**	**11 750**
>	16-24 single-phase C-GRC7		**921 724**	**13 350**
>	12-24 three-phase C-GRC7		**921 725**	**12 150**
>	16-24 three-phase C-GRC7		**921 726**	**13 750**
>	12-32 C-GRC7		**921 733**	**12 210**
>	16-32 C-GRC7		**921 734**	**13 810**
>	12-32 C-GRC7		**921 735**	**12 610**
>	16-32 C-GRC7		**921 736**	**14 210**
	Room sealed connection - OptiPac MR290 hybrid gas...			
>	4-24 single-phase C-GVRC7	92	**921 820**	**10 070**
>	7-24 single-phase C-GVRC7		**921 821**	**10 670**
>	9-24 single-phase C-GVRC7		**921 822**	**11 170**
>	12-24 single-phase C-GVRC7		**921 823**	**12 270**
>	16-24 single-phase C-GVRC7		**921 824**	**13 870**
>	12-24 three-phase C-GVRC7		**921 825**	**12 670**
>	16-24 three-phase C-GVRC7		**921 826**	**14 270**
>	12-32 single-phase C-GVRC7		**921 833**	**12 730**
>	16-32 single-phase C-GVRC7		**921 834**	**14 330**
>	12-32 three-phase C-GVRC7		**921 835**	**13 130**
>	16-32 three-phase C-GVRC7		**921 836**	**14 730**
121	**UE Protection Kit (mandatory)**			
>	UE-SD Protection Kit	98	**900 642**	**560**
151	**Mandatory choice of outdoor sensor type**			
>	Outdoor Sensor C+ – Wired	98	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Choice of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV Bracket (max. 35-litre vessel)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit no. 1**			
>	MHD	210	**900 420**	**421**
311	**Two-way valve – AUTO spring return – MM 1P (Mandatory if at least 2 circuits)**			
>	Two-way valve – AUTO spring return – MM 1P	98	**900 665**	**147**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	98	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If heating circuit no. 2**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
411	**Two-way valve – AUTO spring return – MM 1P**			
>	Vanne 2 voies Rappel AUTO MM 1P	98	**900 665**	**147**
451	**Mandatory choice of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	98	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**DHW hydraulic module with circulator and DHW sensor Or DHW sensor only, if an existing DHW charging pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	DHW Sensor for Connect		**992 041**	**12**
611	**Two-way valve – AUTO spring return – MM 1P**			
>	Two-way valve – AUTO spring return – MM 1P	98	**900 665**	**147**
621	**DHW tank selection according to capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**
901	**Commissioning**			
>	Gas burner	-	**MESBRG**	**390**

Delivery from July 2025

Hybrid Air/Water Heat Pumps GAS Heating + Integrated DHW

Hybrid OptiPac MR290

kW **Heat pump output: 4 to 16 kW**
Back-up: 24 or 32 kW

Natural gas or Propane

Heating + DHW production with integrated tank

Chimney or Room-sealede

ENERGY A++

R290

Chimney version:Given the high performance of PERGE boilers, it is essential to line the flue in compliance with the regulations in force.
Material for flue connection (sealed flue):The flue duct must be made of 316L stainless steel.
Sealed flue version – Maximum connection distance:
Horizontal flue (type C13): 1 × 90° elbow + 3 × 1 m lengths (max. 1 m horizontal) + C13 terminal
Flue (type C33): 4 × 1 m lengths + C33 terminal
Flue (type B22/B23 or B32/B33): 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12
Flue diameter: Must be ≥ 125 mm beyond 6 m/ In the case of B32/B33, the minimum chimney section must be 14 cm x 14 cm

Outdoor unit includes:
- Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, anti-liquid shock accumulator, electronic expansion valve, Panasonic DC inverter fan motor, R290 air heat exchanger with weather protection, and R290 water plate heat exchanger
- Hydraulic circuit with DC inverter circulator, 6-litre expansion vessel, safety valve, 1" M flow and return connections
- Degassing bottle
- Easily accessible connection box
- Anti-frost heating cable in the condensate tray

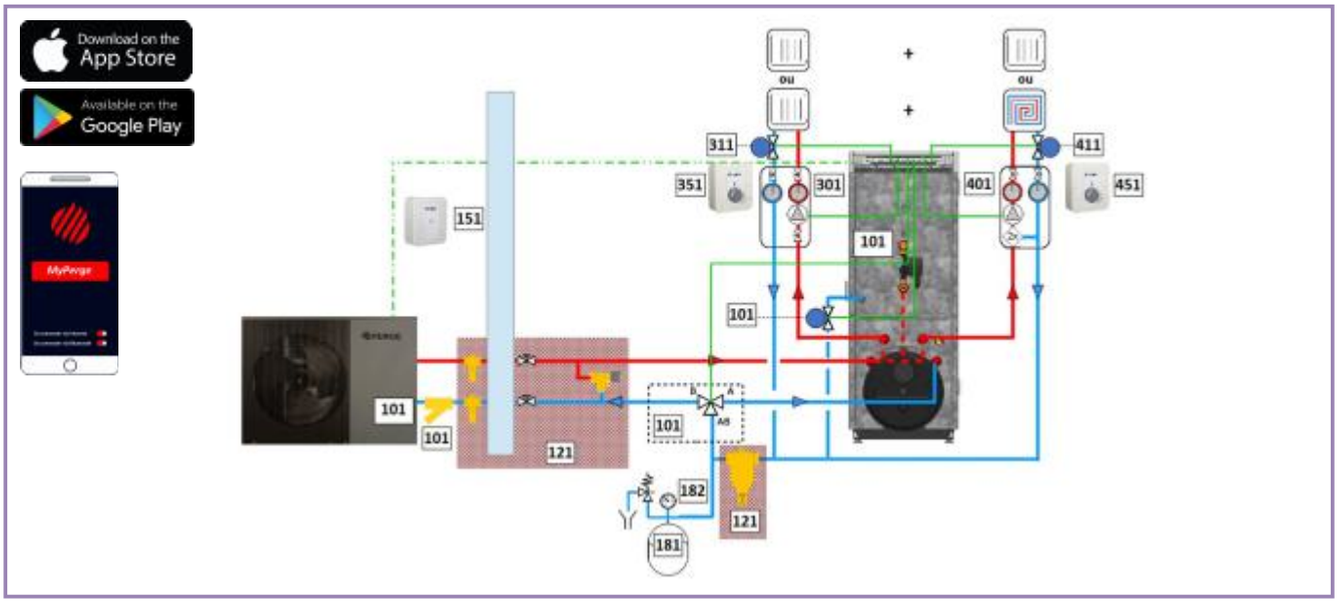
Indoor unit includes:
- 50-litre internal hydraulic volume
- Heat exchanger body allowing operation without mixing valve, with no limitation on return temperature and no risk of dew point inside the exchanger
- Blown-air burner for natural gas / propane
- 150-litre stainless steel domestic hot water tank
- DHW charging pump for DHW priority management
- Control and monitoring panel
- RC7: Class VII regulation with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet
- PLC kit: 2 PLC sockets and 2 RJ45 cables (2.00 m each)
- Hydraulic connection not included

Communication:
- ModBus: 3 × 0.75 mm² shielded cable
- Internet: RJ45 Ethernet cable or PLC socket

Packaging:
- 1 × Outdoor unit
- 1 × B150 hybrid gas module

Description	Designation OptiPac Hybrid	Heat pump kW	Power supply	Back-up kW	SEER	Ref	€ Excl. tax
	Gas hybrid – Chimney version: OPTIPAC MR290 HYBRID GAS...						
	4-24 single B150-GRC7	4	Single-phase	24	138	921 750	11 230
	7-24 single B150-GRC7	7	Single-phase		139	921 751	11 830
	9-24 single B150-GRC7	9	Single-phase		136	921 752	12 330
	12-24 single B150-GRC7	12	Single-phase		139	921 753	13 430
	16-24 single B150-GRC7	16	Single-phase		126	921 754	15 030
	12-24 three B150-GRC7	12	Three-phase		139	921 755	13 830
	16-24 three B150-GRC7	16	Three-phase		126	921 756	15 430
	12-32 single B150-GRC7	12	Single-phase	32	139	921 763	13 890
	16-32 single B150-GRC7	16	Single-phase		126	921 764	15 490
	12-32 three B150-GRC7	12	Three-phase		139	921 765	14 290
	16-32 three B150-GRC7	16	Three-phase		126	921 766	15 890
	Gas hybrid – Room sealed version: OPTIPAC MR290 HYBRID GAS...						
	4-24 single B150-GVRC7	4	Single-phase	24	138	921 850	11 740
	7-24 single B150-GVRC7	7	Single-phase		139	921 851	12 340
	9-24 single B150-GVRC7	9	Single-phase		136	921 852	12 840
	12-24 single B150-GVRC7	12	Single-phase		139	921 853	13 940
	16-24 single B150-GVRC7	16	Single-phase		126	921 854	15 540
	12-24 three B150-GVRC7	12	Three-phase		139	921 855	14 340
	16-24 three B150-GVRC7	16	Three-phase		126	921 856	15 940
	12-32 single B150-GVRC7	12	Single-phase	32	139	921 863	14 410
	16-32 single B150-GVRC7	16	Single-phase		126	921 864	16 010
	12-32 three B150-GVRC7	12	Three-phase		139	921 865	14 810
	16-32 three B150-GVRC7	16	Three-phase		126	921 866	16 410

OptiPac MR290 Hybrid Gas – Heating + Integrated DHW – OPP77



N°	Designation	Page	Ref	€ Excl. tax
101	**Model selection according to required output and flue connection**			
	Chimney connection – OptiPac MR290 Hybrid Gas...			
>	4-24 single-phase B150-GRC7	94	**921 750**	**11 230**
>	7-24 single-phase B150-GRC7		**921 751**	**11 830**
>	9-24 single-phase B150-GRC7		**921 752**	**12 330**
>	12-24 single-phase B150-GRC7		**921 753**	**13 430**
>	16-24 single-phase B150-GRC7		**921 754**	**15 030**
>	12-24 three-phase B150-GRC7		**921 755**	**13 830**
>	16-24 three-phase B150-GRC7		**921 756**	**15 430**
>	12-32 single-phase B150-GRC7		**921 763**	**13 890**
>	16-32 single-phase B150-GRC7		**921 764**	**15 490**
>	12-32 three-phase B150-GRC7		**921 765**	**14 290**
>	16-32 three-phase B150-GRC7		**921 766**	**15 890**
	Room sealed connection – OptiPac MR290 Hybrid Gas...			
>	4-24 single-phase B150-GVRC7	94	**921 850**	**11 740**
>	7-24 single-phase B150-GVRC7		**921 851**	**12 340**
>	9-24 single-phase B150-GVRC7		**921 852**	**12 840**
>	12-24 single-phase B150-GVRC7		**921 853**	**13 940**
>	16-24 single-phase B150-GVRC7		**921 854**	**15 540**
>	12-24 three-phase B150-GVRC7		**921 855**	**14 340**
>	16-24 three-phase B150-GVRC7		**921 856**	**15 940**
>	12-32 single-phase B150-GVRC7		**921 863**	**14 410**
>	16-32 single-phase B150-GVRC7		**921 864**	**16 010**
>	12-32 three-phase B150-GVRC7		**921 865**	**14 810**
>	16-32 three-phase B150-GVRC7		**921 866**	**16 410**
121	**UE Protection Kit (mandatory)**			
>	UE-SD Protection Kit	98	**900 642**	**560**
151	**Mandatory choice of outdoor sensor type**			
>	Outdoor Sensor C+ – Wired	98	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**

N°	Designation	Page	Ref	€ Excl. tax
182	**Choice of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV Bracket (max. 35-litre vessel)		**900 564**	**97**
301	**Heating circuit no. 1**			
>	MHD	210	**900 420**	**421**
311	**Two-way valve – AUTO spring return – MM 1P (Mandatory if at least 2 circuits)**			
>	Two-way valve – AUTO spring return – MM 1P	98	**900 665**	**147**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	98	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If heating circuit no. 2**			
>	MH2X (for two circuits with different T°)	210	**900 493**	**541**
>	MHD		**900 420**	**421**
411	**Two-way valve – AUTO spring return – MM 1P**			
>	Vanne 2 voies Rappel AUTO MM 1P	98	**900 665**	**147**
451	**Mandatory choice of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	98	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
901	**Commissioning**			
>	Gas burner	-	**MESBRG**	**390**

Delivery from July 2025

Hybrid Air/Water Heat Pumps PELLETS Heating + Integrated DHW

Hybrid OptiPac MR290

kW **Heat pump output: 4 to 16 kW**
Back-up: 12, 17, 23 or 33 kW

Pellets

Heating + DHW production via external tank

Chimney

ENERGY A++

R290

Chimney version:Given the high performance of PERGE boilers, it is essential to line the flue in compliance with the regulations in force.
Material for flue connection (sealed flue):The flue duct must be made of 316L stainless steel.
Sealed flue version – Maximum connection distance:
Horizontal flue (type C13): 1 × 90° elbow + 3 × 1 m lengths (max. 1 m horizontal) + C13 terminal
Flue (type C33): 4 × 1 m lengths + C33 terminal
Flue (type B22/B23 or B32/B33): 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12
Flue diameter: Must be ≥ 125 mm beyond 6 m/ In the case of B32/B33, the minimum chimney section must be 14 cm x 14 cm

Outdoor unit includes:
- Internal R290 refrigerant circuit with Mitsubishi Twin-Rotary DC inverter compressor, anti-liquid shock accumulator, electronic expansion valve, Panasonic DC inverter fan motor, R290 air heat exchanger with weather protection, and R290 water plate heat exchanger
- Hydraulic circuit with DC inverter circulator, 6-litre expansion vessel, safety valve, 1" M flow and return connections
- Degassing bottle
- Easily accessible connection box
- Anti-frost heating cable in the condensate tray

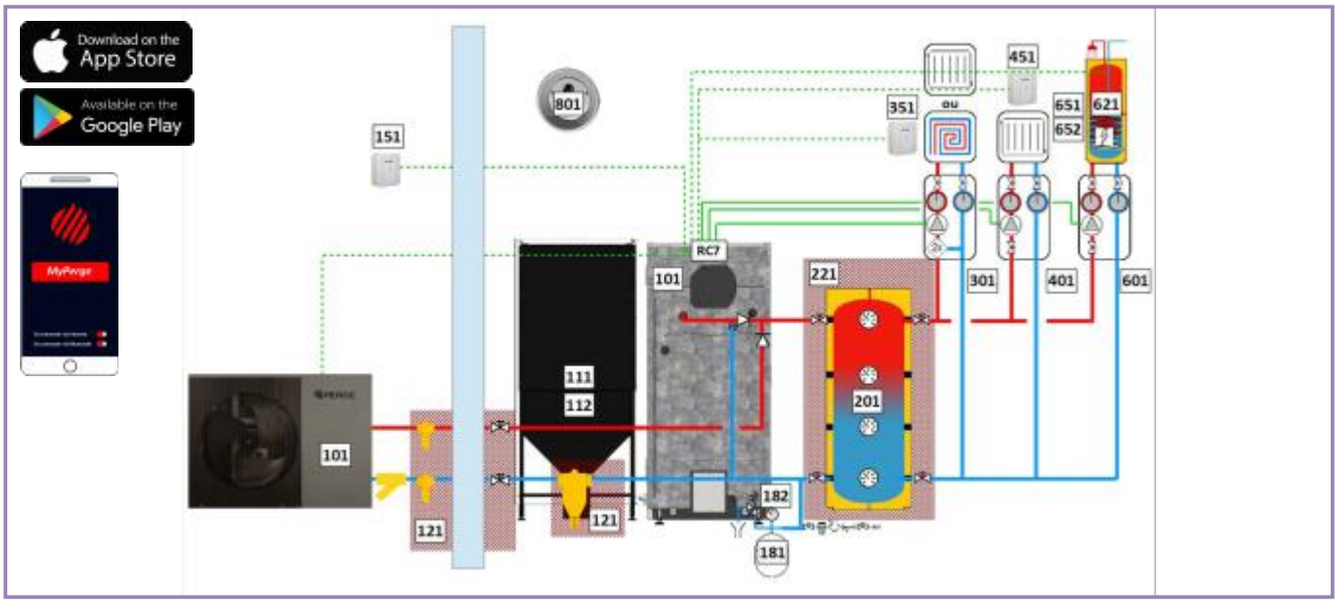
Indoor unit includes:
- 50-litre internal hydraulic volume
- Heat exchanger body allowing operation without mixing valve, without limitation on return temperature and no risk of dew point inside the exchanger
- Blown-air burner for natural gas / propane
- 150-litre stainless steel domestic hot water tank
- DHW charging pump for domestic hot water priority management
- Control and monitoring panel
- RC7: Class VII regulation with outdoor sensor and room compensation sensor. Local control via Bluetooth or internet, and remote control via internet
- PLC kit: 2 PLC sockets and 2 RJ45 cables (2.00 m each)
- Hydraulic connection not included

Communication:
- ModBus: 3 × 0.75 mm² shielded cable
- Internet: RJ45 Ethernet cable or PLC socket

Packaging:
- 1 × Outdoor unit
- 1 × B150 hybrid gas module

Description	Designation Hybrid OptiPac	Heat pump kW	Power supply	Back-up kW	SEER	Ref	€ Excl. tax
Pellet hybrid – Chimney version: OPTIPAC MR290 HYBRID PELLETS...							
	4-12 single C-PRC7	4	Single-phase	12	136	902 510	14 000
	7-12 single C-PRC7	7	Single-phase		138	902 511	14 600
	9-12 single C-PRC7	9	Single-phase		134	902 512	15 100
	7-17 single C-PRC7	7	Single-phase	17	138	902 561	14 800
	9-17 single C-PRC7	9	Single-phase		134	902 562	15 300
	12-17 single C-PRC7	12	Single-phase		138	902 563	16 400
	16-17 single C-PRC7	16	Single-phase		124	902 564	18 000
	12-17 three C-PRC7	12	Three-phase		138	902 565	16 800
	16-17 three C-PRC7	16	Three-phase		124	902 566	18 400
	7-23 single C-PRC7	8	Single-phase	23	138	902 571	15 300
	9-23 single C-PRC7	10	Single-phase		134	902 572	15 800
	12-23 single C-PRC7	12	Single-phase		138	902 573	16 900
	16-23 single C-PRC7	16	Single-phase		124	902 574	18 500
	12-23 three C-PRC7	12	Three-phase		138	902 575	17 300
	16-23 three C-PRC7	16	Three-phase		124	902 576	18 900
	9-33 single C-PRC7	9	Single-phase	33	134	902 582	16 100
	12-33 single C-PRC7	12	Single-phase		138	902 583	17 200
	16-33 single C-PRC7	16	Single-phase		124	902 584	18 800
	12-33 three C-PRC7	12	Three-phase		138	902 585	17 600
	16-33 three C-PRC7	16	Three-phase		124	902 586	19 200

OptiPac MR290 Hybrid Pellets – Heating only – OPP78



N°	Designation	Page	Ref	€ Excl. tax
101	**Model selection based on the required output**			
>	4-12 single-phase C-PRC7	96	**902 510**	**14 000**
>	7-12 single-phase C-PRC7		**902 511**	**14 600**
>	9-12 single-phase C-PRC7		**902 512**	**15 100**
>	7-17 single-phase C-PRC7		**902 561**	**14 800**
>	9-17 single-phase C-PRC7		**902 562**	**15 300**
>	12-17 single-phase C-PRC7		**902 563**	**16 400**
>	16-17 single-phase C-PRC7		**902 564**	**18 000**
>	12-17 three-phase C-PRC7		**902 565**	**16 800**
>	16-17 three-phase C-PRC7		**902 566**	**18 400**
>	7-23 single-phase C-PRC7		**902 571**	**15 300**
>	9-23 single-phase C-PRC7		**902 572**	**15 800**
>	12-23 single-phase C-PRC7		**902 573**	**16 900**
>	16-23 single-phase C-PRC7		**902 574**	**18 500**
>	12-23 three-phase C-PRC7		**902 575**	**17 300**
>	16-23 three-phase C-PRC7		**902 576**	**18 900**
>	9-33 single-phase C-PRC7		**902 582**	**16 100**
>	12-33 single-phase C-PRC7		**902 583**	**17 200**
>	16-33 single-phase C-PRC7		**902 584**	**18 800**
>	12-33 three-phase C-PRC7		**902 585**	**17 600**
>	16-33 three-phase C-PRC7		**902 586**	**19 200**
111	**MiniSilo with 250 kg storage capacity**			
>	MiniSilo OptiPellet	116	**902 820**	**990**
112	**Riser required for OptiPellet 33 kW**			
>	MiniSilo Riser 33	116	**902 826**	**200**
121	**UE Protection Kit (mandatory)**			
>	UE Protection Kit	98	**900 639**	**495**
151	**Mandatory choice of outdoor sensor type**			
>	Outdoor Sensor C+ – Wired	98	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Choice of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV Bracket (max. 35-litre vessel)		**900 564**	**97**
201	**Mixing bottle selection**			
>	BM 100 Mixing bottle	206	**900 620**	**704**
>	BM 200 Mixing bottle		**900 622**	**882**
>	BM 300 Mixing bottle		**900 623**	**1 111**
221	**Mixing bottle connection accessories**			
>	BM-3P Accessory (BM100, BM200)	206	**900 671**	**297**
>	BM-4P Accessory (BM300)		**900 672**	**331**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit no. 1 – Hydraulic module selection**			
>	MH2X (for two circuits with different T°)	210	**900 420**	**421**
>	MHD		**900 493**	**541**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	98	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If heating circuit no. 2**			
>	MHD	210	**900 420**	**421**
451	**Mandatory choice of room sensor for circuit 2**			
>	C+ Room Sensor - Wired	98	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**DHW hydraulic module with circulator and DHW sensor Or DHW sensor only, if an existing DHW charging pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	DHW Sensor for Connect		**992 041**	**12**
621	**DHW tank selection according to capacity**			
>	PE 150/1S - Grey 150 l	209	**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**
651	**If mixed electric DHW tank choose immersion heater according to power and power supply type**			
>	TR30 Single-phase 3kW	209	**900 301**	**419**
>	TR45 Single-phase 4,5kW		**900 446**	**427**
>	TR60 Single-phase 6kW		**900 447**	**773**
>	TR30 Three-phase 3kW		**900 555**	**490**
>	TR45 Three-phase 4,5kW		**900 448**	**543**
>	TR60 Three-phase 6kW		**900 449**	**559**
652	**Flange required for TR immersion heater**			
>	TR/PE Flange	209	**900 450**	**65**
801	**Draft stabilizer**			
>	MT150 – Diameter 150 mm	212	**900 466**	**167**
>	MT180 – Diameter 180 mm		**900 467**	**247**

OptiPac MR32 Hybrid: Mandatory Accessories 1 room sensor per circuit and 1 outdoor sensor required

Designation		Description	Ref	€ Excl. tax
	**Outdoor Sensor C+ – Wired**	Connection via 2 wires of max. 0.75 mm² – not supplied	**900 600**	**60**
	Outdoor or Room Sensor C+ – Wireless	Supplied with batteries	**900 601**	**115**
	Room Sensor C+ – Wired	Connection via 2 wires of max. 0.75 mm² – not supplied	**900 602**	**60**
	Outdoor or Room Sensor C+ – Wireless	Supplied with batteries	**900 601**	**115**
	Room Sensor C+ – Wired with Manual Comfort Adjustment	Connection via 2 wires of max. 0.75 mm² – not supplied. Manual comfort temperature adjustment	**900 604**	**80**
	Room Sensor C+ – Wireless with Manual Comfort Adjustment	Supplied with batteries. Manual comfort temperature adjustment	**900 605**	**138**
UE Protection Kit		Protection kit for the outdoor unit including:2 × 1" male anti-freeze safety valves 2 × shut-off valves 1 × dirt separator with magnetic filter	**900 639**	**495**
UE-SD Protection Kit		UE-SD Protection kit including:2 × 1" male anti-freeze safety valves 2 × shut-off valves 1 × dirt separator with magnetic filter 1 × differential pressure relief valve	**900 642**	**560**

OptiPac MR290 Hybrid – Room sealed version: Specific equipment

Designation	Description	Ref	€ Excl. tax
Vertical terminal	Vertical outlet – Length 850 mm – Diameter 80–125 mm – Stainless steel (INOX)	**880 010**	**166**
Horizontal terminal	Adjustable horizontal outlet – Diameter 80–125 mm – Stainless steel (INOX)	**880 011**	**158**
Length 930 mm	Straight element – Length 930 mm – Diameter 80–125 mm – Stainless steel (INOX)	**880 020**	**101**
Length 375–510 mm	Adjustable straight element – Length 375–510 mm – Diameter 80–125 mm – Stainless steel (INOX)	**880 023**	**101**
Length 425 mm	Straight element – Length 425 mm – Diameter 80–125 mm – Stainless steel (INOX)	**880 024**	**73**
Length 260 mm	Straight element – Length 260 mm – Diameter 80–125 mm – Stainless steel (INOX)	**880 025**	**64**
45° elbow	45° elbow – Diameter 80–125 mm – Stainless steel (INOX)	**880 040**	**92**
87° elbow	87° elbow – Diameter 80–125 mm – Stainless steel (INOX)	**880 043**	**101**
Condensate & measurement element	Condensate and measurement element – Diameter 80–125 mm – Stainless steel (INOX)	**880 051**	**122**
Drain trap	Drain plug – Diameter 80–125 mm – Stainless steel (INOX)	**880 061**	**39**
Finishing rosette	Finishing rosette – Diameter 80–125 mm – Silicone	**880 113**	**8**
Finishing rosette	Finishing rosette – Diameter 80–125 mm – Stainless steel (INOX)	**880 130**	**31**
Roof flashing 30°/45°	Roof flashing – 30°/45° pitch – Diameter 80–125 mm – Stainless steel (INOX)	**880 171**	**235**
Roof flashing 5°/30°	Roof flashing – 5°/30° pitch – Diameter 80–125 mm – Stainless steel (INOX)	**880 181**	**235**
Flat roof flashing	Flat roof flashing – Diameter 80–125 mm – Stainless steel (INOX)	**880 191**	**233**
Sealing gasket	Sealing gasket – Roof collar – Diameter 80–125 mm – Stainless steel (INOX)	**880 902**	**9**
Wall bracket	Wall bracket – Diameter 125 mm	**843 086**	**36**
Union clamp	Union clamp – Diameter 125 mm	**843 070**	**9**

OptiPac MR290 Hybrid: Optional specific equipment

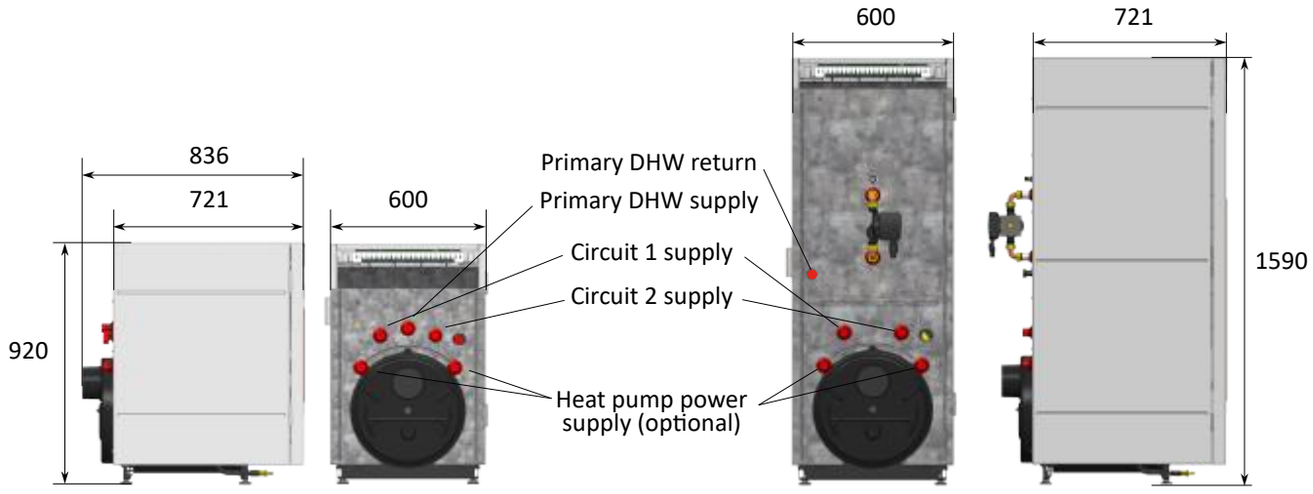
Designation	Description	Ref	€ Excl. tax
Heating circuit			
MHD	**Direct hydraulic module (for circuit no. 2)**	**900 420**	**421**
MHD - V2V	More information on page 210	**900 666**	**573**
MH2X	**Direct hydraulic module with Duotherm (for underfloor heating)**	**900 493**	**541**
MH2X - V2V	More information on page 210	**900 667**	**693**
V2V	**Two-way valve with automatic return.** Mandatory on each heating circuit when there is more than one circuit. DHW production counts as one circuit. One two-way valve is supplied with the indoor hybrid unit with integrated DHW.	**900 665**	**147**
DHW priority			
MHP RC7	**Hydraulic module with DHW priority for connected boiler**	**900 478**	**452**
MHP RC7 - V2V	More information on page 211	**900 668**	**604**
DHW temperature sensor	**Temperature sensor for independent DHW tank and existing charging pump.** Enables DHW priority control with the RC7 regulation system.	**992 041** (B)	**12**

Standard optional accessories

Description	More information, page...
Expansion vessels and safety valves	**211**
Mixing bottles	**206**
Domestic hot water tanks	**209**
Electric back-up heaters	**209**

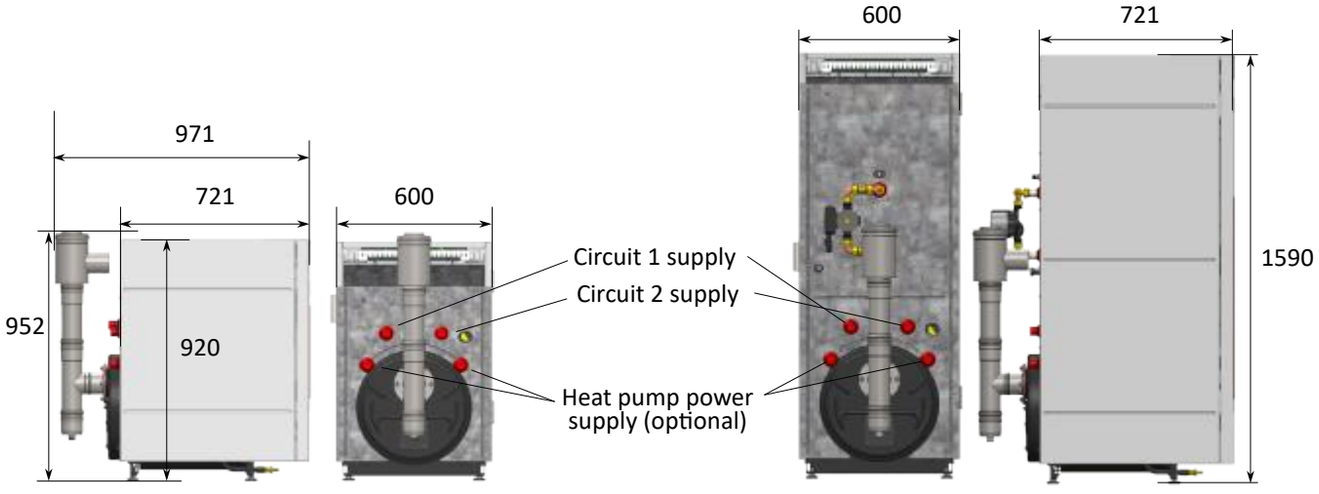
Dimensional Specifications

Indoor unit – Hybrid heat pump oil or gas – Chimney version



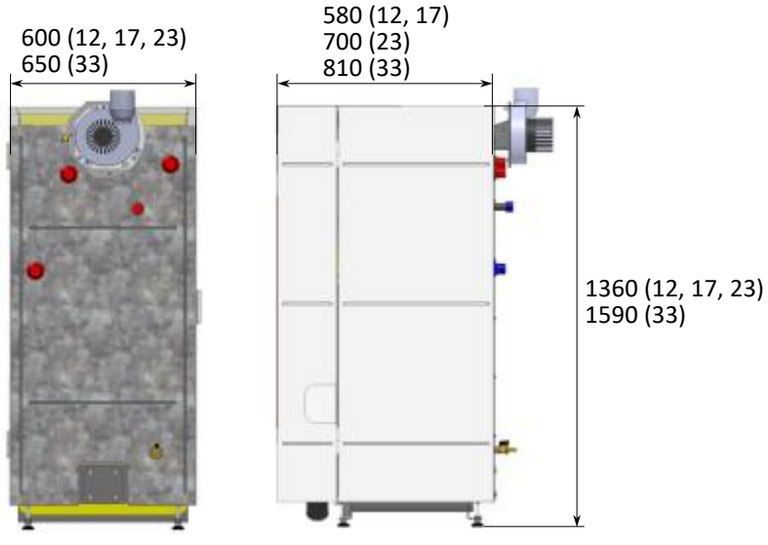
Flue outlet – Diameter 125 mm (24) or 150 mm (32)

Indoor unit – Hybrid heat pump oil or gas – Room sealed version



Concentric flue outlet 80/125

Indoor unit – Hybrid heat pump – Pellets



Pellet Boilers

A modern, environmentally-friendly solution

- Storage silos from 250 kg to 7 tonnes
- Connection without mixing valve
- Up to 3 direct heating circuits (underfloor heating, radiators, DHW)
- Class VII connected controller (RC7)
- Mixed Wood-Pellet solution (see page 137)

Boilers

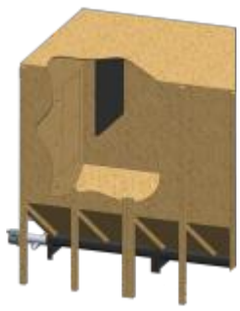
Series	OptiPellet Connect
Page	106
Fuel	Wood pellets
Heating only	✓
Output (kW)	12 - 17 - 23 - 33 - 45
Storage silo model	MiniSilo / SilBat / SilTex
Class according to EN 303-5	5
Compliance with EEC requirements applicable since 01/04/21	Oui
Heating circuits	Up to 2 heating circuits at identical* or different temperatures directly (underfloor heating + radiator / Duotherm)
Circulating pump for heating circuit no. 1	Factory-fitted
Controller class	Class VII (RC7), factory-fitted and delivered with PLC connectors
MyPerge application for Smartphone (Android or iOS) Locally via Bluetooth – Remotely via Internet	MyPerge
Combustion control	Lambda sensor + combustion chamber temperature sensor
Cleaning	Self-cleaning burner and exchanger
Ash removal	Manual
Smoke extraction	Chimney
External accumulated DHW	Enamelled tank from 150 to 500 L

** + 1 boosted DHW circuit*

Storage Silos

Storage solutions tailored to your needs

- MiniSilo: an economical and space-saving storage solution
- SilBat: customized optimization to make the best use of your space
- SilTex: the ready-to-install solution

	MiniSilo	SilBat	Siltex
			

✓ = Factory-assembled / Available ○ = Optional — = Not applicable

Series		MiniSilo	Silbat	Siltex
Page		**107**	**115**	**114**
Silo type		Metal silo	Silo to build	Textile silo
Volume (m³ :	**Mini**	0,39	3,1	4,6
	Maxi	0,39	10,8	10,7
Pellet weight (tons) :	**Mini**	0,25	2	3
	Maxi	0,25	7	7
Filling		Bag	Bulk	Bulk
Transfer from silo to burner screw		Gravity-fed	Vacuum or auger	Vacuum or auger

More information on...

A direct system connection without limiting the return temperature

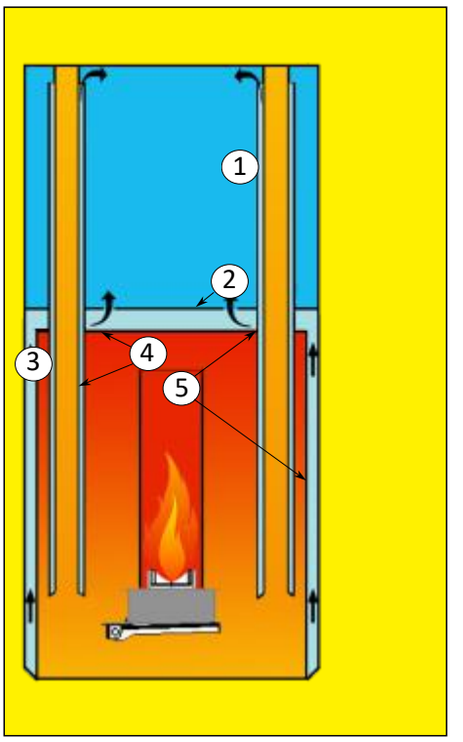
PERGE technology does not impose minimum temperature constraints, nor does it require the installation of a mixing valve. The boiler operates safely without any low return temperature limitation.

PERGE boilers use a heat transfer fluid divided into two sections, separated by a Stoptherm. When the burner is running, the small volume of water contained in the perimeter water blade (3) surrounding the combustion chamber, as well as in the exchanger tubes (4), is heated to a temperature above 60°C. This prevents the formation of dew point and simultaneously establishes a thermosiphon loop between the perimeter water blade and the mixing chamber, which is naturally heated through circulation.

One or more independent, direct circuits connect the mixing chamber (1) to the heating system, with no risk of cold return water reaching the exchanger surfaces.

This design eliminates corrosion risks and ensures long boiler life.

A hydraulic separator (mixing bottle) can be added to the boiler to extend the heating cycles.



1. Mixing chamber
2. Stoptherm
3. Perimeter water blade
4. Water blade in the exchanger tubes
5. Heat exchange surfaces

Environmentally Friendly

Thanks to their combustion chamber with 3-level staged air intake for complete and clean combustion, PERGE OptiPellet pellet boilers fully comply with EN 303-5 Class 5 and the 7-Star Green Flame label. As environmentally-friendly equipment with top-level performance, they are eligible for government subsidies for the energy transition.

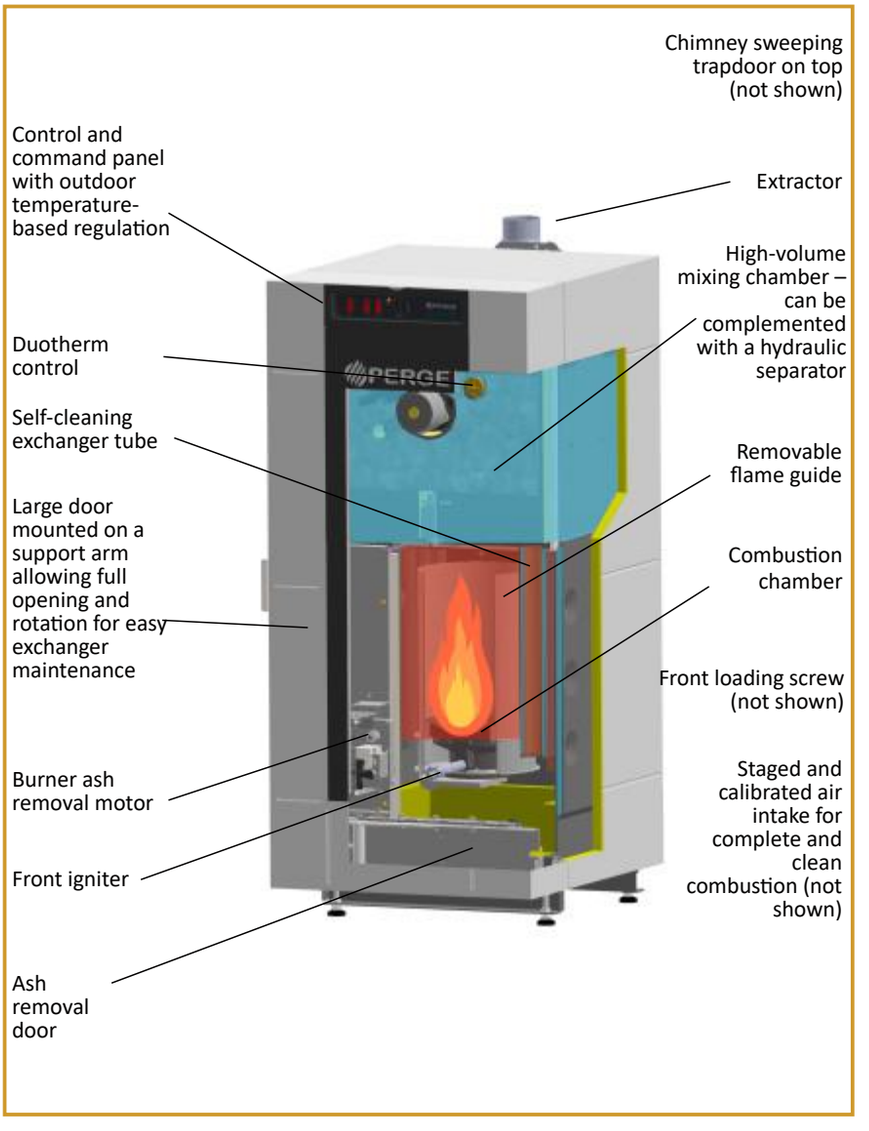
Easy Maintenance

OptiPellet boilers are equipped with a self-cleaning burner and exchanger. Ash is collected at the bottom of the boiler. Ash removal is carried out manually by the user through a highly accessible ash removal door on the front of the boiler. The large ash collection capacity at the bottom reduces the need for emptying to just a few times per year.

Other cleaning operations are performed by a professional as part of regular boiler maintenance.

They are made easier by:

- Pivoting burner screw on the front for easy access to the burner without interrupting fuel supply
- Burner door mounted on a 180° articulated arm, allowing bowl cleaning and access to the combustion chamber without lifting effort
- Tool-free retractable flame guide



More information on...

Power modulation from 0 to 100% without loss of efficiency

PERGE boilers operate without minimum temperature constraints, which gives them another key advantage: the heating temperature can be modulated continuously, without limits, across the entire output range (from 0 to 100% of boiler capacity).

Short cycles are avoided thanks to the large water volume of the mixing chamber—which can be complemented with a hydraulic separator—as well as the thermal inertia provided by the combustion chamber.

The burner, operating at nominal output, consistently ensures optimal efficiency without unnecessary electronics.
The boiler operates safely at a temperature adjusted to the real-time needs, with no loss in efficiency.
These very high-performance levels are reinforced by extremely low annual maintenance consumption*.

** This includes standby losses and the consumption required to maintain a minimum temperature to avoid dew point. PERGE boilers, by design, are free from this minimum temperature constraint.*

Two heating circuits at different temperatures (underfloor heating + radiators) directly from the boiler

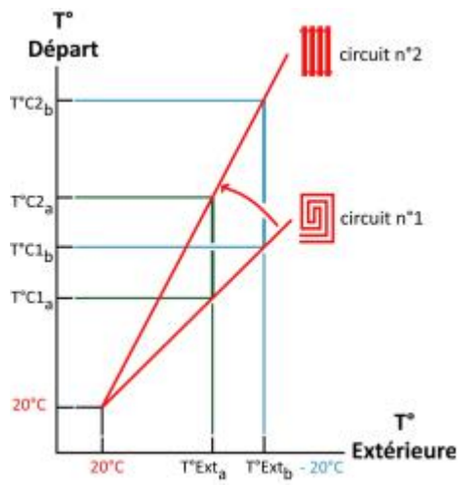
PERGE pellet boilers incorporate the **Duotherm-System (PERGE patent), allowing two heating circuits** at different temperatures (e.g., underfloor heating and radiator heating) to be supplied directly from the boiler. Each circuit is distributed at the required temperature, with no mixing valve or motorization.

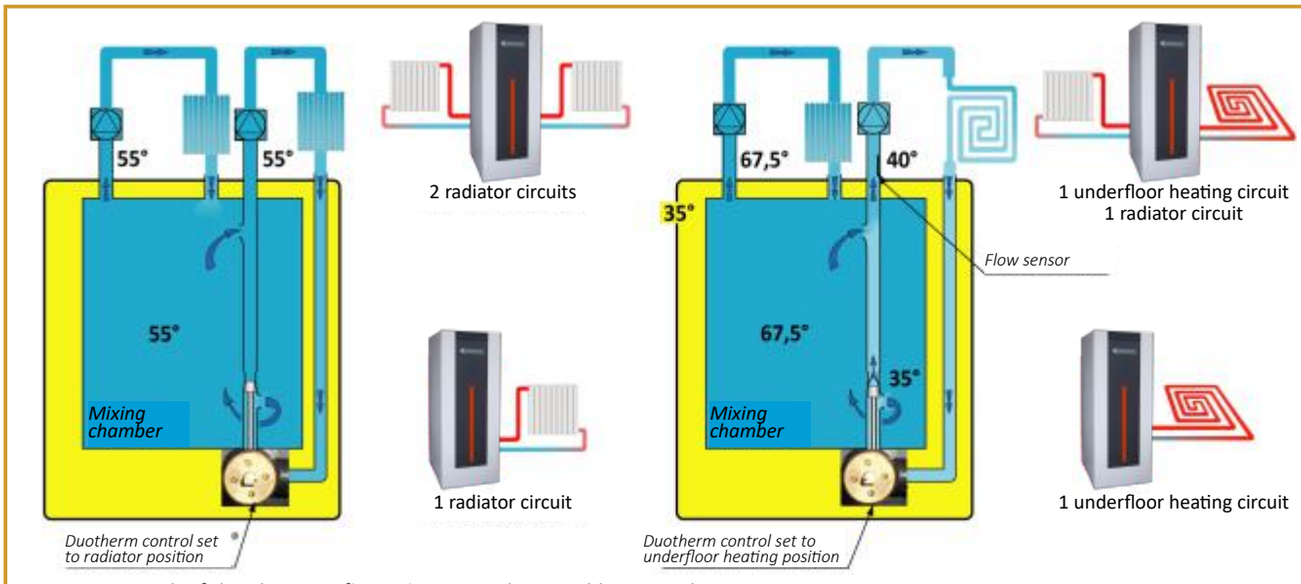
The **Duotherm-System** operates on the principle of a fixed injection and re-injection bypass. The slope of the controller determines and regulates the flow temperature of the heating circuit to which the controller's sensor is connected (in our example, circuit no. 1). The **Duotherm-System** setting creates a second slope that defines and regulates the temperature of circuit no. 2.

Thus, two heating circuits can be regulated at different temperatures—without a mixing valve or motorization—using a single controller.

The **Duotherm-System** saves on the accessories typically required for this type of setup with a conventional boiler (mixing valve, motorization, separate controller...) while ensuring optimal comfort.

Heating curves





Note: For each of the above configurations, it is also possible to supply an independent domestic hot water cylinder directly from the boiler.

More information on...

SilBat Silos to Build

A tailor-made solution that maximizes storage volume according to the room layout and offers greater user convenience by significantly increasing autonomy for a low additional cost.

Silo floor length from 1.00 m to 3.00 m, in 0.50 m increments, using 0.50 m or 1.00 m modular elements.

The lacquered steel silo base is designed to accommodate the inclined surfaces of the buildable silo and ensure complete emptying.

Supplied accessories:

- 1 Guillemin-type firefighter connection, diameter 100, for filling
- 1 Guillemin-type firefighter connection, diameter 100, for vacuum or venting
- Impact-absorbing mat for filling

Delivery Accessibility

Ensure that the delivery truck can approach within 20 meters of the silo filling inlet.

Silo Construction

- Prefer a silo that is longer rather than wider.
- The walls in contact with the pellets must be clean and dry. They must withstand the pressure during storage and delivery.
- Floors must support the load (1 m³ of pellets weighs approximately 650 kg).
- The silo must be completely enclosed, including the ceiling.
- Provide a door or inspection hatch that is sufficiently high and wide for easy access and to check the filling level.
- The silo must be airtight.
- Place the impact-absorbing mat 35 cm from the wall opposite the filling side.
- Follow the wall angles specified by the silo base exactly.
- Position the filling connection tube pointing toward the impact mat, 25 cm from the ceiling and at least 50 cm from the vacuum connection. Install the shortest possible tube, grounded (high static electricity).
- Place the vacuum connection at least 50 cm from the inner end of the filling tube. If this connection is used as a vent, a dust filter sleeve must be installed or fitted by the delivery personnel during filling.

SilTex Textile Silos

A turnkey solution, practical and quick to install.

Volume from 3.8 m³ to 11.7 m³

Two filling heights available (2.00 m and 2.50 m)

Optional “manual loading opening” (must be specified when ordering)

Mounted on a metal frame with support legs

Delivered with a Guillemin-type firefighter connection, diameter 100, for filling

Delivery Accessibility

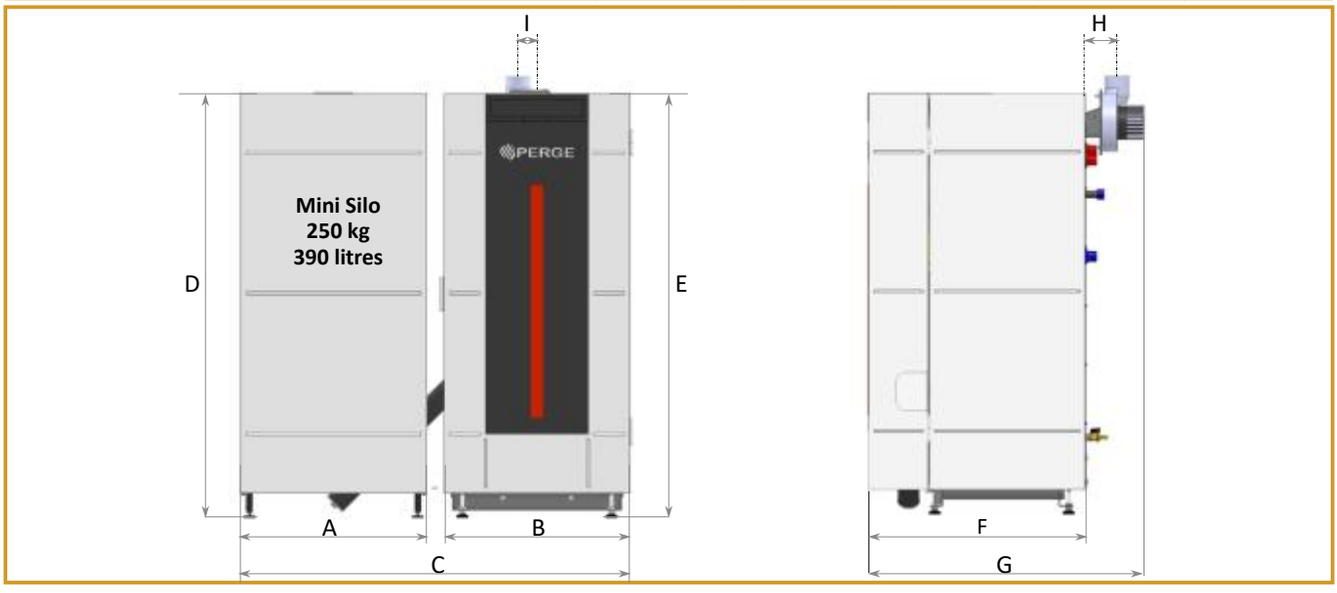
Ensure that the delivery truck can approach within 20 meters of the silo filling inlet.

Silo Construction

Floors must support the load (1 m³ of pellets weighs approximately 650 kg).

Technical and Dimensional Specifications – OptiPellet

OptiPellet	12 C-D	17 C-D	23 C-D	33 C-D	45 C-D
Authorized fuel	Wood pellets certified EN+ or DIN+, diameter 6 mm Moisture content < 10% – Ash content < 0.7% – LHV between 16.5 and 19 MJ/kg				
Useful output (kW)	12,5	17	23	33	45,6
Boiler efficiency (%)	91,6	91	90,4	91	91,8
Burner type	On/Off				
Required chimney draught (Pa)	Mini : 12 Pa - Maxi : 20 Pa				
Flue gas temperature (°C)	120	145	135	140	160
Flue gas mass flow rate (g/s)	9,17	12,32	15,79	23,35	31,79
CO_2 emissions (%)	11	11	11	11	11
Seasonal CO emissions (at 10% O_2)	249	90	49	90	82
Seasonal Gaseous Organic Compounds emissions – CnHm (at 10% O_2)	3	4	4	4	4
Seasonal NOx emissions (at 10% O_2)	153	160	160	160	153
Seasonal particulate emissions (at 10% O_2)	28	25	20	20	18
Power consumption in operation (W)	40	44	48	55	64
Power consumption in standby mode (W)	2	2	2	3	3
Class according to EN 303-5	5	5	5	5	5
Green Flame equivalence	7*	7*	7*	7*	7*
Compliance with EEC requirements applicable since April 1, 2021	oui	oui	oui	oui	oui
ETAS – Seasonal Energy Efficiency (%) according to 2015/1189	81	81	81	81	82
Energy Efficiency Index	120	120	120	120	120
Energy class	A+	A+	A+	A+	A+
Power supply	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz	230 V / 50 Hz
Boiler water capacity (L)	40	40	70	100	130
Maximum heating circuit temperature (°C) / pressure (bar)	90 / 3	90 / 3	90 / 3	90 / 3	90 / 3
MiniSilo capacity in kg and litres	250 kg / 390 l	250 kg / 390 l	250 kg / 390 l	250 kg / 390 l	250 kg / 390 l
A – MiniSilo width (mm)	600	600	600	600	600
B – Boiler width (mm)	600	600	600	650	650
C – Total width of the unit (mm)	1 306	1 306	1 306	1 356	1 356
D – MiniSilo height (mm)	1 360	1 360	1 360	1 460	1 460
E – Boiler height (mm)	1 360	1 360	1 360	1 590	1 590
F – Boiler depth (mm)	580	580	700	810	890
G – Total depth including extractor (mm)	770	770	890	998	1 078
H – Extractor axis – Rear of the boiler (mm)	103	103	103	103	103
I – Extractor axis – Boiler axis (mm)	63	63	63	63	63
Flue outlet diameter (mm)	150	150	150	180	180
Weight (kg)	190	190	230	280	300



Class 5
Pellet Boilers Connected

OptiPellet Connect+

Duotherm =
2 heating circuits at different temperatures directly, without mixing valve

Combustion control via lambda sensor

12 to 45 kW

Heating only or
Heating + DHW production via independent tank

Flue gas extraction

Class 5 Pellets — Warranty 10 Boiler body — RC7 Inside

⚠ **•Required chimney draught: Minimum 12 Pa – Maximum 20 Pa**
•For technical servicing, maintain a clearance of 50 centimeters behind the boiler, with an access walkway on at least one side and a minimum of 5 centimeters on the other side

Designation	Description		Ref	€ Excl. tax
12 C-DRC7	**Connected pellet boiler – EN 303-5 Class 5 – 7-Star FV equivalence.** **Operates without buffer tank or mixing valve.** Heating body allows operation without buffer tank or mixing valve, with no return temperature limitation and no dew point risk. Possibility of connecting up to 3 heating circuits at different temperatures (e.g. underfloor heating + radiator circuit + external DHW tank) without mixing valve, thanks to the Duotherm system. RC7: Class VII boiler temperature control based on outdoor temperature, with water law correction based on room data. Local control via Bluetooth or internet, remote control via internet. PLC Kit: 2 powerline communication plugs and two 2.00 m RJ45 cables. Circulating pump for heating circuit no. 1 Self-cleaning burner and exchanger ash removal into a large-capacity ashtray. Combustion control via lambda sensor and temperature sensor. Other factory-fitted equipment: Large door mounted on a 360° rotating articulated arm Full access to the burner (no lifting), exchanger tubes and ashtray for maintenance Cleaning tool Casing Reinforced insulation Optional equipment: Standard hydraulic accessories (expansion vessel, pressure gauge valve)	**12 kW**	**902 800**	**8 990**
17 C-DRC7		**17 kW**	**902 801**	**9 190**
23 C-DRC7		**23 kW**	**902 802**	**9 690**
33 C-DRC7		**33 kW**	**902 803**	**9 990**
45 C-DRC7		**45 kW**	**902 804**	**10 990**

Connect: Required accessories 1 room sensor per circuit and 1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
Wired C+ outdoor sensor	Connection via 2 wires of max. 0.75 mm² not included.	**900 600**	**60**
C+ radio sensor (outdoor or room)	Supplied with batteries.	**900 601**	**115**
Wired C+ room sensor	Connection via 2 wires of max. 0.75 mm² not included.	**900 602**	**60**
C+ radio sensor (outdoor or room)	Supplied with batteries.	**900 601**	**115**
Wired C+ room sensor with manual comfort setting	Connection via 2 wires of max. 0.75 mm² not included. Manual comfort temperature adjustment.	**900 604**	**80**
C+ radio room sensor with manual comfort setting	Supplied with batteries. Manual comfort temperature adjustment.	**900 605**	**138**

Class 5
Pellet Boilers Connected

OptiPellet Connect+ with MiniSilo

Duotherm =
2 heating circuits at different temperatures directly, without mixing valve

Combustion control via lambda sensor

12 to 45 kW

Heating only or Heating + DHW production via independent tank

Flue gas extraction

Class 5 Pellets — Warranty 10 Boiler body — RC7 Inside

⚠ **•Required chimney draught: Minimum 12 Pa – Maximum 20 Pa**
•For technical servicing, maintain a clearance of 50 centimeters behind the boiler, with an access walkway on at least one side and a minimum of 5 centimeters on the other side

DEsignation	Descriptipn		Ref	€ Excl. tax
12 C-DRC7 + MiniSilo	**Connected pellet boiler – EN 303-5 Class 5 – 7-Star FV equivalence. Operates without buffer tank or mixing valve.** Heat exchanger body allows operation without buffer tank or mixing valve, with no limitation on return temperature and no dew point risk. Possibility to connect up to 3 heating circuits at different temperatures (e.g., underfloor heating + radiator circuit + external DHW tank) without mixing valve, thanks to the Duotherm system. RC7: Class VII boiler temperature regulation based on outdoor temperature, with water law adjustment based on room data. Control locally via Bluetooth or internet, remotely via internet. PLC Kit: 2 powerline plugs and two 2.00 m RJ45 cables. Circulating pump for heating circuit no. 1 Self-cleaning burner and exchanger ash removal into a large-capacity ashtray. Combustion regulation via lambda sensor and temperature sensor. Other factory-fitted equipment: Large door mounted on a 360° rotating articulated arm Full access to burner, exchanger tubes, and ashtray without lifting Cleaning tool Casing Reinforced insulation Optional equipment: standard hydraulic accessories (expansion vessel, pressure gauge-valve) + 250 kg Mini-Silo for pellets, positionable to the right or left of the boiler. Manual filling (by bag). Upgradeable to accept a vacuum feeding system either at initial installation or later for automatic silo filling.	**12 kW MiniSilo 250 kg**	**902 850**	**9 980**
17 C-DRC7 + MiniSilo		**17 kW MiniSilo 250 kg**	**902 851**	**10 180**
23 C-DRC7 + MiniSilo		**23 kW MiniSilo 250 kg**	**902 852**	**10 680**
33 C-DRC7 + MiniSilo		**33 kW MiniSilo 250 kg**	**902 853**	**11 180**
45 C-DRC7 + MiniSilo		**45 kW MiniSilo 250 kg**	**902 854**	**12 180**

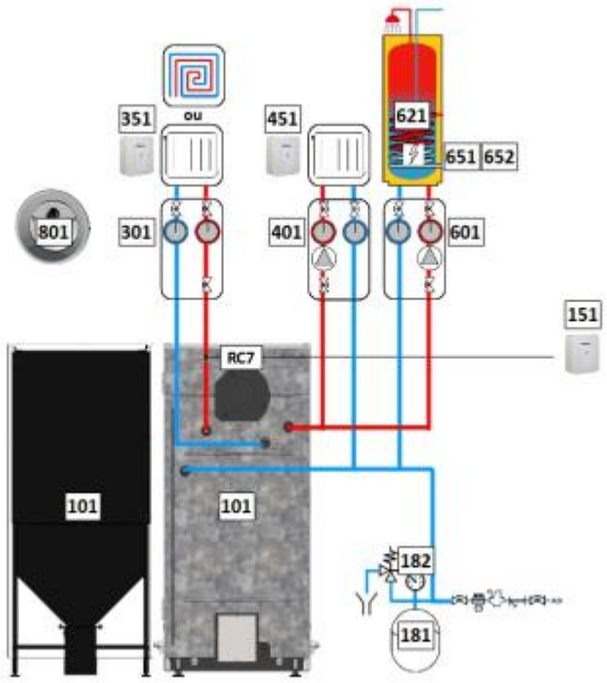
Connect: Required accessories 1 room sensor per circuit and 1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
Wired C+ outdoor sensor	Connection via 2 wires of max. 0.75 mm² not included.	**900 600**	**60**
C+ radio sensor (outdoor or room)	Supplied with batteries.	**900 601**	**115**
Wired C+ room sensor	Connection via 2 wires of max. 0.75 mm² not included.	**900 602**	**60**
C+ radio sensor (outdoor or room)	Supplied with batteries.	**900 601**	**115**
Wired C+ room sensor with manual comfort setting	Connection via 2 wires of max. 0.75 mm² not included. Manual comfort temperature adjustment.	**900 604**	**80**
C+ radio room sensor with manual comfort setting	Supplied with batteries. Manual comfort temperature adjustment.	**900 605**	**138**

OptiPellet Connect with MiniSilo – OPL11

Download on the App Store

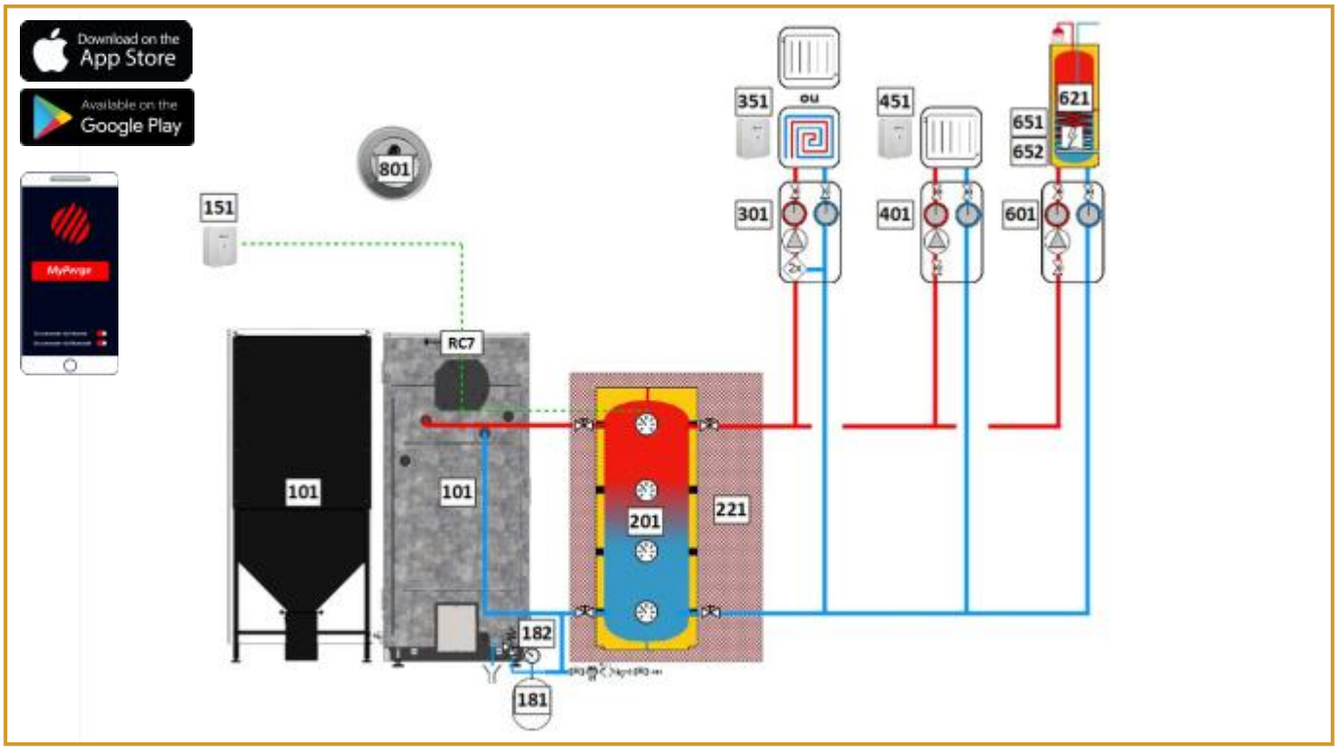
Available on the Google Play



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 + MiniSilo		**902 854**	**12 180**
151	**Mandatory selection of outdoor sensor type (Wired or Wireless)**			
>	Outdoor Sensor C+ – Wired	107	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 – Direct hydraulic module MHS without circulating pump (factory-fitted)**			
>	MHS	210	**900 445**	**279**
>	MHS-FM		**900 499**	**424**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	107	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**

N°	Designation	Page	Ref	€ Excl. tax
401	**If Heating circuit no. 2 – Direct hydraulic module MHD**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	107	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW (Domestic Hot Water):** **•Hydraulic DHW module with electronic circulator and DHW temperature sensor** **•DHW sensor only if an existing DHW loading pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7 - FM		**900 613**	**588**
>	DHW sensor for Connect		**992 041**	**12**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey 150 l	209	**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**
651	**If mixed electric DHW, select the immersion heater according to its power and electrical supply type**			
>	TR30 single-phase 3kW	209	**900 301**	**419**
>	TR45 single-phase 4,5kW		**900 446**	**427**
>	TR60 single-phase 6kW		**900 447**	**773**
>	TR30 three-phase 3kW		**900 555**	**490**
>	TR45 three-phase 4,5kW		**900 448**	**543**
>	TR60 three-phase 6kW		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

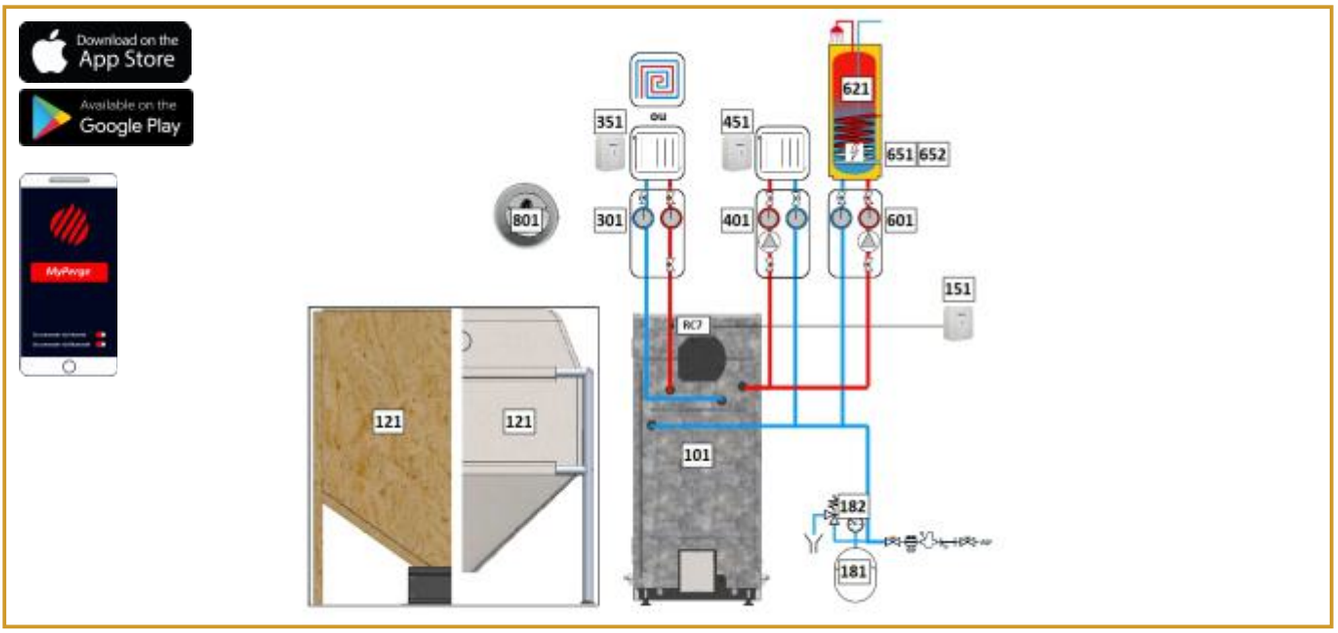
OptiPellet Connect with MiniSilo and hydraulic separator – OPL21



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 + MiniSilo		**902 854**	**12 180**
151	**Mandatory selection of outdoor sensor type (Wired or Wireless)**			
>	Outdoor Sensor C+ – Wired	107	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Selection of hydraulic separator (mixing bottle):**			
>	BM 100 – Mixing bottle	206	**900 620**	**704**
>	BM 200 – Mixing bottle		**900 622**	**882**
>	BM 300 – Mixing bottle		**900 623**	**1 111**
221	**Mixing bottle connection accessories:**			
>	BM-3P Accessory	206	**900 671**	**297**
>	BM-4P Accessory		**900 672**	**331**
301	**Heating circuit no. 1 – Direct hydraulic module MHD**			
>	MH2X (if 2 circuits at different temperatures)	210	**900 493**	**541**
>	MH2X-FM (if 2 circuits at different T°)		**900 616**	**686**
>	MHD		**900 420**	**421**
>	MHD-FM		**900 494**	**557**
351	**Mandatory selection of room sensor type for circuit 1**			
>	C+ Room Sensor - Wired	107	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**

N°	Designation	Page	Ref	€ Excl. tax
401	**If Heating circuit no. 2 – Direct hydraulic module MHD**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	107	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW (Domestic Hot Water):** **•Hydraulic DHW module with electronic circulator and DHW temperature sensor** **•DHW sensor only if an existing DHW loading pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7 - FM		**900 613**	**588**
>	DHW sensor for Connect		**992 041**	**12**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey 150 l	209	**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**
651	**If mixed electric DHW, select the immersion heater according to its power and electrical supply type**			
>	TR30 single-phase 3kW	209	**900 301**	**419**
>	TR45 single-phase 4,5kW		**900 446**	**427**
>	TR60 single-phase 6kW		**900 447**	**773**
>	TR30 three-phase 3kW		**900 555**	**490**
>	TR45 three-phase 4,5kW		**900 448**	**543**
>	TR60 three-phase 6kW		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

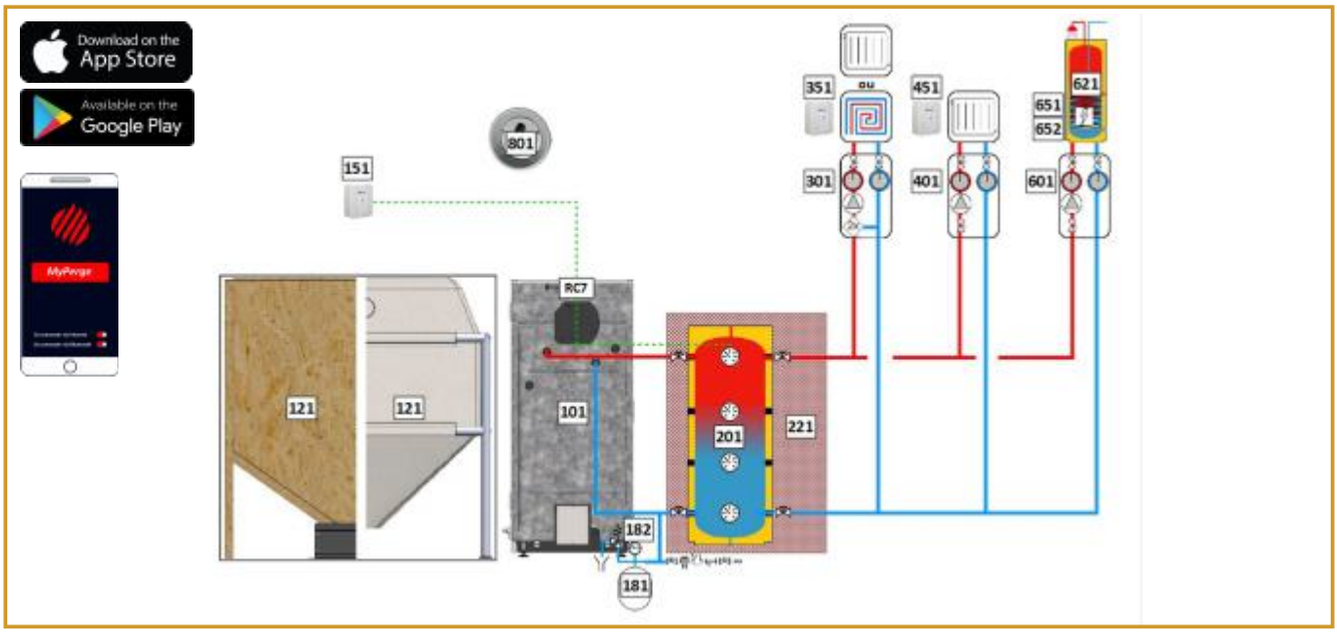
OptiPellet Connect with auger-fed silo – OPL15



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 12kW	106	**902 800**	**8 990**
>	OptiPellet 17 C-DRC7 17kW		**902 801**	**9 190**
>	OptiPellet 23 C-DRC7 23kW		**902 802**	**9 690**
>	OptiPellet 33 C-DRC7 33kW		**902 803**	**9 990**
>	OptiPellet 45 C-DRC7 45kW		**902 804**	**10 990**
121	**Silo type selection (Buildable Silo or Textile Silo)**			
>	SilBat + VTC10	115	**902 680**	**2 690**
>	SilBat + VTC15		**902 681**	**2 880**
>	SilBat + VTC20		**902 682**	**2 990**
>	SilBat + VTC25		**902 683**	**3 180**
>	SilBat + VTC30		**902 684**	**3 280**
>	SilTex 200x200 + VTA	114	**902 690**	**4 890**
>	SilTex 200x250 + VTA		**902 775**	**5 070**
>	SilTex 250x250 + VTA		**902 691**	**5 450**
>	SilTex 250x300 + VTA		**902 776**	**5 670**
>	SilTex 300x300 + VTA		**902 692**	**6 150**
151	**Mandatory selection of outdoor sensor type (Wired or Wireless)**			
>	Outdoor Sensor C+ – Wired	106	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 – Direct hydraulic module MHS without circulating pump (factory-fitted)**			
>	MHS	210	**900 445**	**279**
>	MHS-FM		**900 499**	**424**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	106	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**

N°	Designation	Page	Ref	€ Excl. tax
401	**If Heating circuit no. 2 – Direct hydraulic module MHD**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	106	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW (Domestic Hot Water):** **• Hydraulic DHW module with electronic circulator and DHW temperature sensor** **• DHW sensor only if an existing DHW loading pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7 - FM		**900 613**	**588**
>	DHW sensor for Connect		**992 041**	**12**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey 150 l	209	**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**
651	**If mixed electric DHW, select the immersion heater according to its power and electrical supply type**			
>	TR30 single-phase 3kW	209	**900 301**	**419**
>	TR45 single-phase 4,5kW		**900 446**	**427**
>	TR60 single-phase 6kW		**900 447**	**773**
>	TR30 three-phase 3kW		**900 555**	**490**
>	TR45 three-phase 4,5kW		**900 448**	**543**
>	TR60 three-phase 6kW		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

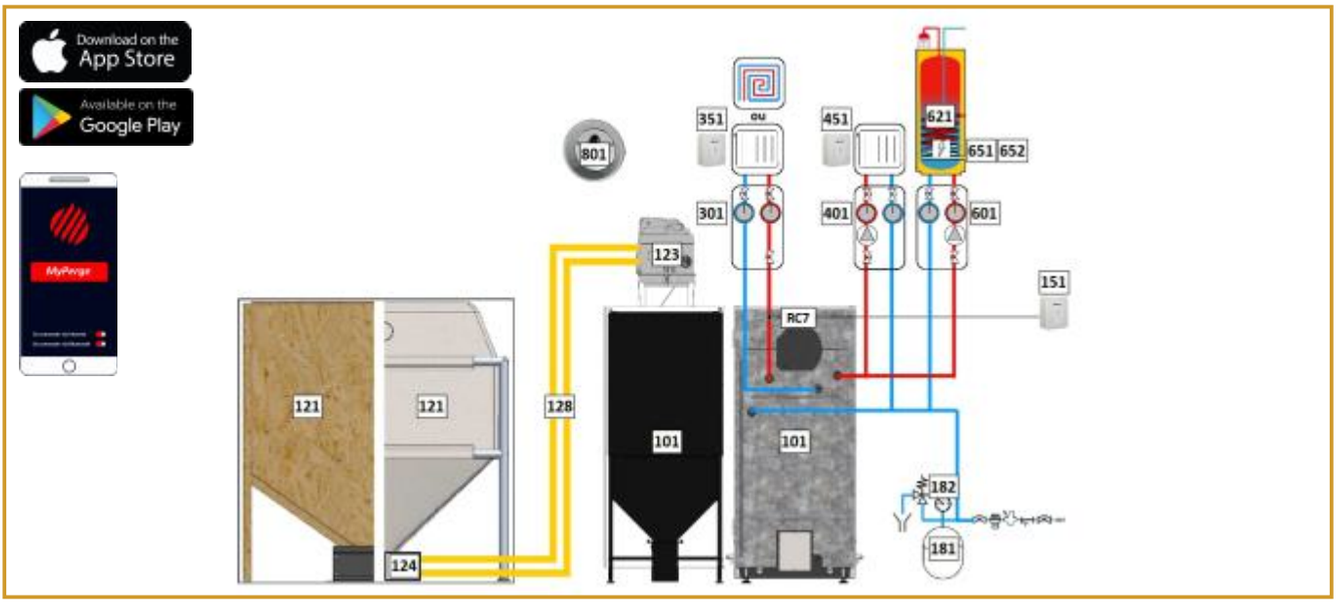
OptiPellet Connect with auger-fed silo and mixing bottle – OPL25



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 12kW	106	**902 800**	**8 990**
>	OptiPellet 17 C-DRC7 17kW		**902 801**	**9 190**
>	OptiPellet 23 C-DRC7 23kW		**902 802**	**9 690**
>	OptiPellet 33 C-DRC7 33kW		**902 803**	**9 990**
>	OptiPellet 45 C-DRC7 45kW		**902 804**	**10 990**
121	**Silo type selection (Buildable Silo or Textile Silo)**			
>	SilBat + VTC10	115	**902 680**	**2 690**
>	SilBat + VTC15		**902 681**	**2 880**
>	SilBat + VTC20		**902 682**	**2 990**
>	SilBat + VTC25		**902 683**	**3 180**
>	SilBat + VTC30		**902 684**	**3 280**
>	SilTex 200x200 + VTA	114	**902 690**	**4 890**
>	SilTex 200x250 + VTA		**902 775**	**5 070**
>	SilTex 250x250 + VTA		**902 691**	**5 450**
>	SilTex 250x300 + VTA		**902 776**	**5 670**
>	SilTex 300x300 + VTA		**902 692**	**6 150**
151	**Mandatory selection of outdoor sensor type (Wired or Wireless)**			
>	Outdoor Sensor C+ – Wired	106	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Selection of hydraulic separator (mixing bottle):**			
>	BM 100 – Mixing bottle	206	**900 620**	**704**
>	BM 200 – Mixing bottle		**900 622**	**882**
>	BM 300 – Mixing bottle		**900 623**	**1 111**
221	**Mixing bottle connection accessories:**			
>	BM-3P Accessory	206	**900 671**	**297**
>	BM-4P Accessory		**900 672**	**331**
301	**Heating circuit no. 1 – Direct hydraulic module MHD**			
>	MH2X (if 2 circuits at different temperatures)	210	**900 493**	**541**
>	MH2X-FM (if 2 circuits at different T°)		**900 616**	**686**
>	MHD		**900 420**	**421**
>	MHD-FM		**900 494**	**557**

N°	Designation	Page	Ref	€ Excl. tax
351	**Mandatory selection of room sensor type for circuit 1**			
>	C+ Room Sensor - Wired	106	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If Heating circuit no. 2 – Direct hydraulic module MHD**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	106	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW (Domestic Hot Water):** **•Hydraulic DHW module with electronic circulator and DHW temperature sensor** **•DHW sensor only if an existing DHW loading pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7 - FM		**900 613**	**588**
>	DHW sensor for Connect		**992 041**	**12**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey 150 l	209	**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**
651	**If mixed electric DHW, select the immersion heater according to its power and electrical supply type**			
>	TR30 single-phase 3kW	209	**900 301**	**419**
>	TR45 single-phase 4,5kW		**900 446**	**427**
>	TR60 single-phase 6kW		**900 447**	**773**
>	TR30 three-phase 3kW		**900 555**	**490**
>	TR45 three-phase 4,5kW		**900 448**	**543**
>	TR60 three-phase 6kW		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

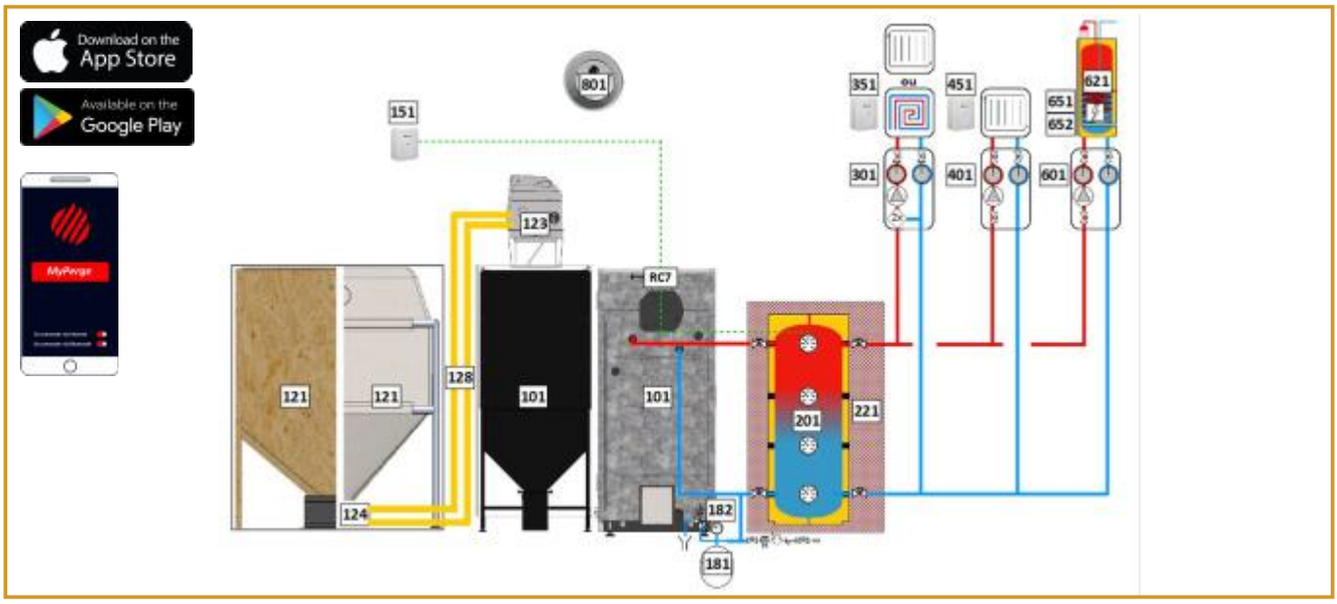
OptiPellet Connect with vacuum-fed silo – OPL16



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 + MiniSilo		**902 854**	**12 180**
121	**Silo type selection (Buildable Silo or Textile Silo)**			
>	SilBat 10 Aspi	115	**902 700**	**1 990**
>	SilBat 15 Aspi		**902 701**	**2 190**
>	SilBat 20 Aspi		**902 702**	**2 290**
>	SilBat 25 Aspi		**902 703**	**2 490**
>	SilBat 30 Aspi		**902 704**	**2 590**
>	SilTex 200x200	114	**902 676**	**3 130**
>	SilTex 200x250		**902 770**	**3 310**
>	SilTex 250x250		**902 677**	**3 690**
>	SilTex 250x300		**902 771**	**3 910**
>	SilTex 300x300		**902 678**	**4 390**
123	**Vacuum unit selection (SilBat: separate components required)** **Note: For SilTex, do not forget the mandatory additional component**			
>	Monobloc vacuum unit	114	**902 821**	**1 055**
>	Vacuum unit with separate components		**902 827**	**1 593**
124	**Mandatory additional component if using SilTex silo**			
>	For twin-tube vacuum system	114	**902 823**	**408**
>	For single-tube vacuum system		**902 824**	**700**
128	**Vacuumpiping**			
>	Vacuum piping – 20 m coil	114	**902 698**	**445**
151	**Mandatory selection of outdoor sensor type (Wired or Wireless)**			
>	Outdoor Sensor C+ – Wired	107	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 – Direct hydraulic module MHS without circulating pump (factory-fitted)**			
>	MHS	210	**900 445**	**279**
>	MHS-FM		**900 499**	**424**

N°	Designation	Page	Ref	€ Excl. tax
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	107	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If Heating circuit no. 2 – Direct hydraulic module MHD**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	107	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	• If DHW (Domestic Hot Water): • Hydraulic DHW module with electronic circulator and DHW temperature sensor • DHW sensor only if an existing DHW loading pump is retained			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7 - FM		**900 613**	**588**
>	DHW sensor for Connect		**992 041**	**12**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey 150 l	209	**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**
651	**If mixed electric DHW, select the immersion heater according to its power and electrical supply type**			
>	TR30 single-phase 3kW	209	**900 301**	**419**
>	TR45 single-phase 4,5kW		**900 446**	**427**
>	TR60 single-phase 6kW		**900 447**	**773**
>	TR30 three-phase 3kW		**900 555**	**490**
>	TR45 three-phase 4,5kW		**900 448**	**543**
>	TR60 three-phase 6kW		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PEflange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

OptiPellet Connect with vacuum-fed silo and mixing bottle – OPL26

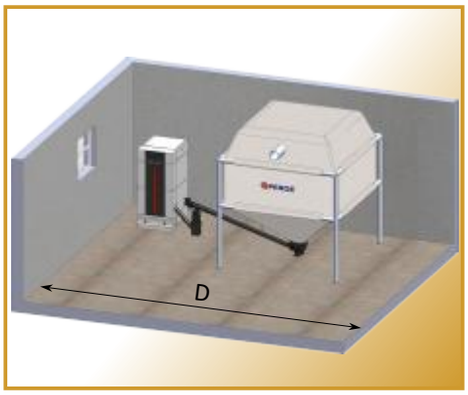


N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 + MiniSilo		**902 854**	**12 180**
121	**Silo type selection (Buildable Silo or Textile Silo)**			
>	SilBat 10 Aspi	115	**902 700**	**1 990**
>	SilBat 15 Aspi		**902 701**	**2 190**
>	SilBat 20 Aspi		**902 702**	**2 290**
>	SilBat 25 Aspi		**902 703**	**2 490**
>	SilBat 30 Aspi		**902 704**	**2 590**
>	SilTex 200x200	114	**902 676**	**3 130**
>	SilTex 200x250		**902 770**	**3 310**
>	SilTex 250x250		**902 677**	**3 690**
>	SilTex 250x300		**902 771**	**3 910**
>	SilTex 300x300		**902 678**	**4 390**
123	**Vacuum unit selection (SilBat: separate components required)** **Note: For SilTex silo, do not forget the mandatory additional component**			
>	Monobloc vacuum unit	114	**902 821**	**1 055**
>	Vacuum unit with separate components		**902 827**	**1 593**
124	**Mandatory additional component if using SilTex silo**			
>	For twin-tube vacuum system	114	**902 823**	**408**
>	For single-tube vacuum system		**902 824**	**700**
128	**Vacuum piping**			
>	Vacuum piping – 20 m coil	114	**902 698**	**445**
151	**Mandatory selection of outdoor sensor type (Wired or Wireless)**			
>	Outdoor Sensor C+ – Wired	107	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
181	**Choix du vase d'expansion selon la capacité**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Selection of hydraulic separator (mixing bottle):**			
>	BM 100 – Mixing bottle	206	**900 620**	**704**
>	BM 200 – Mixing bottle		**900 622**	**882**
>	BM 300 – Mixing bottle		**900 623**	**1 111**
221	**Mixing bottle connection accessories:**			
>	BM-3P Accessory	206	**900 671**	**297**
>	BM-4P Accessory		**900 672**	**331**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit No. 1 – Hydraulic modules**			
>	MH2X (if 2 circuits at different temperatures)	210	**900 493**	**541**
>	MH2X-FM (if 2 circuits at different T°)		**900 616**	**686**
>	MHD		**900 420**	**421**
>	MHD-FM		**900 494**	**557**
351	**Mandatory selection of room sensor type for circuit 1**			
>	C+ Room Sensor - Wired	107	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If Heating circuit no. 2 – Direct hydraulic module MHD**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	107	**900 602**	**60**
>	C+ Room sensor - Radio		**900 601**	**115**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW (Domestic Hot Water):** **Hydraulic DHW module with electronic circulator and DHW temperature sensor/ DHW sensor only if an existing DHW loading pump is retained**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7 - FM		**900 613**	**588**
>	DHW sensor for Connect		**992 041**	**12**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey 150 l	209	**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**
651	**If mixed electric DHW, select the immersion heater according to its power and electrical supply type**			
>	TR30 single-phase 3kW	209	**900 301**	**419**
>	TR45 single-phase 4,5kW		**900 446**	**427**
>	TR60 single-phase 6kW		**900 447**	**773**
>	TR30 three-phase 3kW		**900 555**	**490**
>	TR45 three-phase 4,5kW		**900 448**	**543**
>	TR60 three-phase 6kW		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

Pellet Transfer and Storage
SilTex Textile Silo

Textile silo with auger transfer (for OptiPellet only)

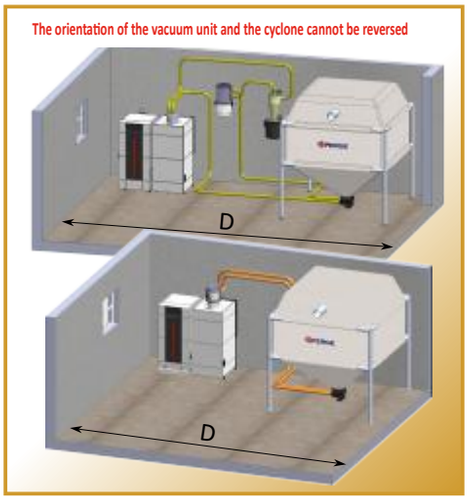


SilTex: Textile silo with a volume from 3.8 m³ to 11.7 m³, mounted on a metal frame with support legs, delivered with a Guillemin-type firefighter connection (diameter 100) for filling.
VTA: Transfer screw composed of a screw and a cuttable, adjustable conduit to the desired length, a geared motor, and a sensor controlling the motor. Maximum screw

Designation	D min cm	L x l cm	V* m³	Ref	€ Excl. tax
SilTex 200 x 200 + VTA	370	200 x 200	3,8/5,2	**902 690**	**4 890**
SilTex 200 x 250 + VTA	370 ou 420	250 x 200	4,8/6,7	**902 775**	**5 070**
SilTex 250 x 250 + VTA	420	250 x 250	6,1/8,5	**902 691**	**5 450**
SilTex 250 x 300 + VTA	420 ou 470	300 x 250	7,2/10,1	**902 776**	**5 670**
SilTex 300 x 300 + VTA	470	300 x 300	8,0/11,7	**902 692**	**6 150**

*V: volume for H = 2.00 m / volume for H = 2.50 m**

Textile silo with vacuum transfer (for OptiPellet + MiniSilo)



SilTex: Textile silo with a volume from 3.8 m³ to 11.7 m³, mounted on a metal frame with support legs, delivered with a Guillemin-type firefighter connection (diameter 100) for filling. Vacuum unit (Maximum distance = 20 m – Maximum height difference = 5 m): see below for the different available solutions.

Designation	D min cm	L x l cm	V* m³	Ref	€ Excl. tax
SilTex 200 x 200	370	200 x 200	3,8/5,2	**902 676**	**3 130**
SilTex 200 x 250	370 ou 420	250 x 200	4,8/6,7	**902 770**	**3 310**
SilTex 250 x 250	420	250 x 250	6,1/8,5	**902 677**	**3 690**
SilTex 250 x 300	420 ou 470	300 x 250	7,2/10,1	**902 771**	**3 910**
SilTex 300 x 300	470	300 x 300	8,0/11,7	**902 678**	**4 390**

V: volume for H = 2.00 m / volume for H = 2.50 m*

Monobloc vacuum unit

Vacuum unit with separate components

Vacuum units for SilTex textile silos

(minimum ceiling height = 1.90 m)

Description	Ref	€ Excl. tax
Monobloc vacuum unit to be mounted directly on the MiniSilo. Dual-tube connection for suction and discharge using two 50 mm diameter tubes.	**902 821**	**1 055**
Vacuum system with separate components, including vacuum unit, cyclone separator, control panel, and separate dosing unit. The dosing unit is mounted directly on the MiniSilo. Wall mounting for the motor. Single-tube suction connection with 50 mm diameter tube.	**902 827**	**1 593**

Additional component for suction and discharge

Additional component for suction only

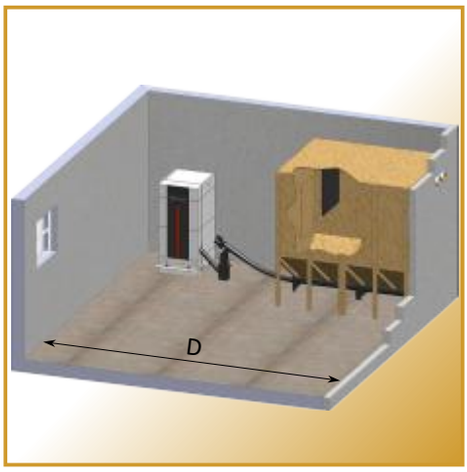
Mandatory additional component for SilTex textile silos

Description	Ref	€ Excl. tax
Mandatory additional component for SilTex when connecting a system with both suction and discharge. Includes an isolation gate and a connection box for suction and discharge tubes (50 mm diameter).	**902 823**	**408**
Mandatory additional component for SilTex when connecting a system with suction only. Includes an isolation gate and a connection box for the suction tube (50 mm diameter) with an agitator system.	**902 824**	**700**

Vacuum piping

Description	Ref	€ Excl. tax
Vacuum piping with smooth interior and copper wire for dielectric continuity. 20 m coil	**902 698**	**445**

Buildable silo with auger transfer (for OptiPellet only)



SilBat: Buildable silo with a length from 1.00 m to 3.00 m in 0.50 m increments.
The lacquered steel silo base is designed to support the inclined surfaces of the silo and ensure complete emptying.

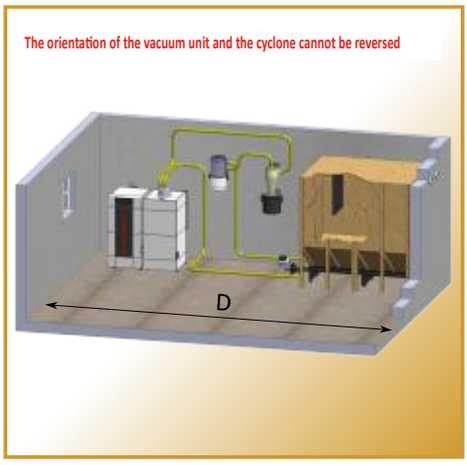
VTC: Transfer screw composed of the screw, curved conduit, geared motor, and level sensor controlling the motor.

Other supplied accessories:
- 2 Guillemin-type firefighter connections (diameter 100) for filling and venting
- Impact-absorbing mat for filling

Designation	D min cm	L cm	V* m³	Ref	€ Excl. tax
SilBat10 + VTC	345	100	2,4/3,1	**902 680**	**2 690**
SilBat15 + VTC	395	150	3,6/4,7	**902 681**	**2 880**
SilBat20 + VTC	445	200	4,8/6,3	**902 682**	**2 990**
SilBat25 + VTC	495	250	5,9/7,8	**902 683**	**3 180**
SilBat30 + VTC	545	300	7,1/9,4	**902 684**	**3 280**

V: volume for H = 2.00 m and L = 1.50 m / volume for H = 2.50 m and L = 1.50 m*

Buildable silo with vacuum transfer (for OptiPellet + MiniSilo)



SilBat: Buildable silo with a length from 1.00 m to 3.00 m in 0.50 m increments.
The lacquered steel silo base is designed to support the inclined surfaces of the buildable silo and ensure complete emptying.
Delivered with motor and extraction screw.
Other supplied accessories:
- 2 Guillemin-type firefighter connections (diameter 100) for filling and venting
- Impact-absorbing mat for filling

Vacuum unit (Maximum distance = 20 m – Maximum height difference = 5 m): see the different solutions proposed below.

Designation	D min cm	L cm	V* m³	Ref	€ Excl. tax
SilBat10 Aspi	345	100	2,4/3,1	**902 700**	**1 990**
SilBat15 Aspi	395	150	3,6/4,7	**902 701**	**2 190**
SilBat20 Aspi	445	200	4,8/6,3	**902 702**	**2 290**
SilBat25 Aspi	495	250	5,9/7,8	**902 703**	**2 490**
SilBat30 Aspi	545	300	7,1/9,4	**902 704**	**2 590**

V: volume for H = 2.00 m and L = 1.50 m / volume for H = 2.50 m and L = 1.50 m*


Vacuum unit


Cyclone separator

Vacuum system with separate components for SilBat buildable silos

Description	Ref	€ Excl. tax
Vacuum system with separate components including vacuum unit, cyclone separator, control panel, and separate dosing unit. The dosing unit is mounted directly on the MiniSilo. Wall mounting for the motor. Single-tube suction connection with 50 mm diameter tube.	**902 827**	**1 593**


Dosing unit


Control panel

Vacuum piping

Description	Ref	€ Excl. tax
Vacuum piping with smooth interior and copper wire for dielectric continuity. 20 m coil.	**902 698**	**445**

OptiPellet Connect: Mandatory equipment

Designation	Description	Ref	€ Excl. tax
MT150 **MT180**	Draught stabilizer, diameter 150 mm Draught stabilizer, diameter 180 mm	**900 466** **900 467**	**167** **247**

OptiPellet Connect: Optional specific equipment

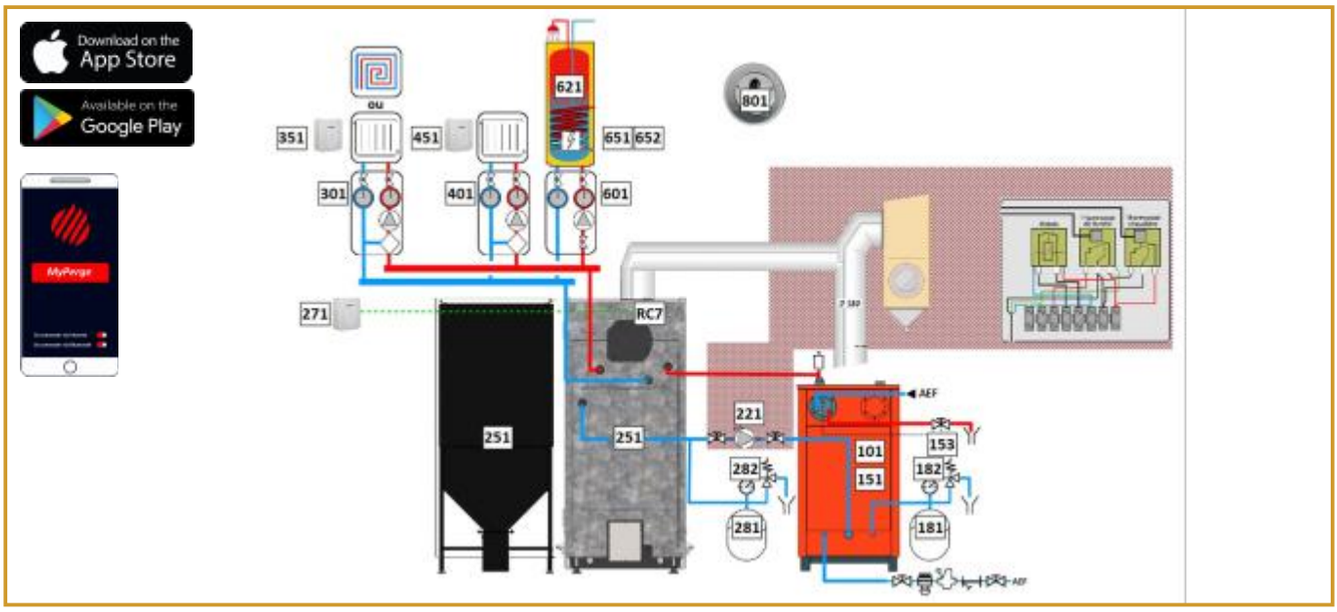
Designation	Description	Ref	€ Excl. tax
Coupling kit MC - CDM PERGE	Allows automatic operation of a PERGE MC boiler together with a PERGE boiler equipped with a mixing chamber (OptiPellet, Optitherm) using a single chimney flue. Comply with chimney specifications for wood-fired boilers.	**900 112**	**608**
MiniSilo **Silo extension 33.45**	A storage system that matches the boiler and offers significant space savings (boiler + silo width: 1.25 m) Mountable on the right or left side of the boiler Storage capacity: 250 kg (approx. 17 bags)	**902 820** **902 826**	**990** **200**
Heating circuits			
MHS **MHS-FM**	Hydraulic module without circulator (for circuit no. 1 – circulator already installed in the boiler) More information on page 210	**900 445** **900 499**	**279** **424**
MHD **MHD-FM**	Direct hydraulic module with circulator More information on page 210	**900 420** **900 494**	**421** **557**
MH2X **MH2X-FM**	Direct hydraulic module with circulator for underfloor heating More information on page 210	**900 493** **900 616**	**541** **686**
DHW priority			
MHP RC7 **MHP RC7-FM**	Hydraulic module with DHW priority for connected boiler More information on page 211	**900 478** **900 613**	**452** **588**
DHW temperature sensor for Connect	Temperature sensor for independent DHW tank with existing charging pump. Enables DHW priority control with RC7 regulation.	**992 041** (B)	**12**
Mixing bottles			
BM100	Mixing bottle with 100-liter capacity (2 x 3 side tappings)	**900 620**	**704**
BM200	Mixing bottle with 200-liter capacity (2 x 3 side tappings)	**900 622**	**882**
BM300	Mixing bottle with 300-liter capacity (2 x 4 side tappings)	**900 623**	**1 111**

Other equipment

Description	More information, page...
Expansion vessel and safety valve	**211**
Domestic hot water tanks	**209**
Auxiliary electric heating elements	**209**

Pricing Support – OptiPellet Couplings – Table of Contents

OptiPellet Connect + MiniSilo coupled with a standard MC – CMC11



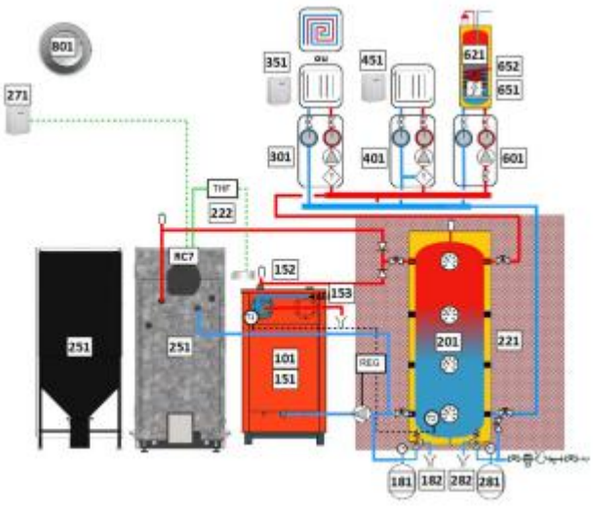
N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic casing	138	**715 000**	**4 480**
>	MC 5.30 Classic casing		**715 011**	**4 880**
151	**Casing selection according to chosen boiler body**			
>	MC 5.20 Classic casing	138	**902 028**	**396**
>	MC 5.30 Classic casing		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
221	**Coupling kit**			
>	MC–CDM coupling kit	138	**900 112**	**608**
251	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 + MiniSilo	107	**902 880**	**9 780**
>	OptiPellet 17 C-DRC7 + MiniSilo		**902 881**	**9 980**
>	OptiPellet 23 C-DRC7 + MiniSilo		**902 882**	**10 480**
>	OptiPellet 33 C-DRC7 + MiniSilo		**902 883**	**10 980**
>	OptiPellet 45 C-DRC7 + MiniSilo		**902 884**	**11 980**
271	**Mandatory selection of outdoor sensor type**			
>	Outdoor Sensor C+ – Wired	107	**900 600**	**60**
>	Outdoor Sensor C+ – Wireless		**900 601**	**115**
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit no. 1 – Direct hydraulic module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
351	**Mandatory selection of room sensor type for circuit 1**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**If Heating circuit no. 2 – Direct hydraulic module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7-FM		**900 613**	**588**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If mixed electric DHW: Select the immersion heater according to its power rating and type of electrical supply**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
>	TR30 - 3,0 kW three-phase		**900 555**	**490**
>	TR45 - 4,5 kW three-phase		**900 448**	**543**
>	TR60 - 6,0 kW three-phase		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT180, diameter 180 mm	212	**900 467**	**247**

OptiPellet Connect + MiniSilo coupled with an MC with buffer tank – CMC31

Download on the App Store

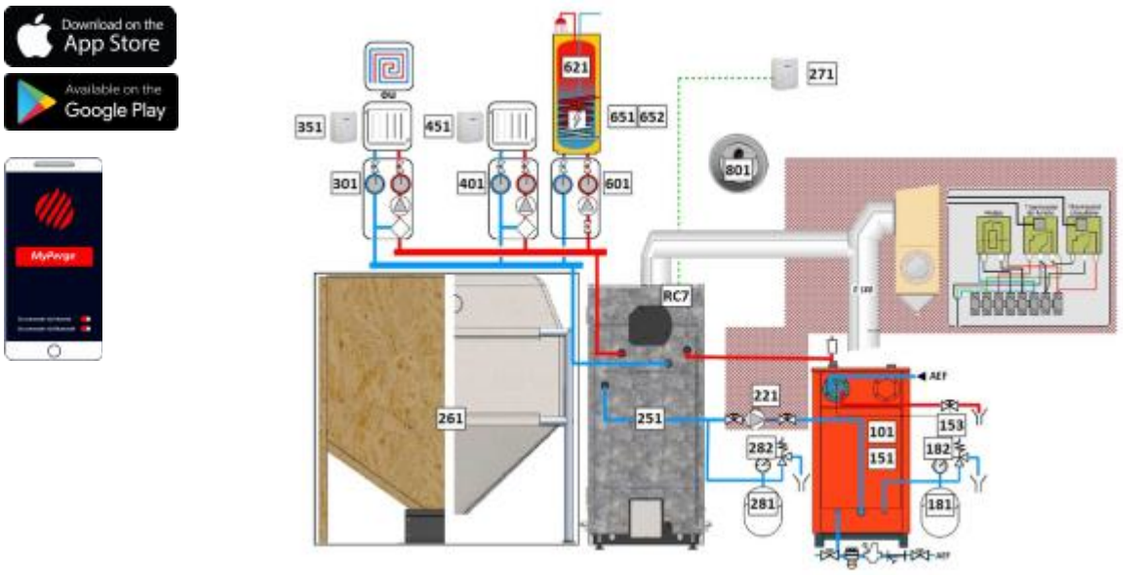
Available on the Google Play



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection according to chosen boiler body**			
>	MC 5.20 Classic casing	138	**902 028**	**396**
>	MC 5.30 Classic casing		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litrevessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffertankselection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Coupling kit**			
>	MB	208	**900 400**	**1 259**
>	MB2		**900 405**	**1 304**
222	**Fluegasthermostat**			
>	THF	138	**900 016**	**150**
251	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 Connect + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 Connect + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 Connect + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 Connect + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 Connect + MiniSilo		**902 854**	**12 180**
271	**Mandatory selection of outdoor sensor type**			
>	C+ Outdoor Sensor – F (Wired)	107	**900 600**	**60**
>	C+ Outdoor/Room Sensor – R (Wireless)		**900 601**	**115**
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit no. 1 – Direct hydraulic**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**Heating circuit no. 1 – Direct hydraulic**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7-FM		**900 613**	**588**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If mixed electric DHW: Select the immersion heater according to its power rating and type of electrical supply**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
>	TR30 - 3,0 kW three-phase		**900 555**	**490**
>	TR45 - 4,5 kW three-phase		**900 448**	**543**
>	TR60 - 6,0 kW three-phase		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT180, diameter 180 mm	212	**900 467**	**247**

OptiPellet Connect + auger-fed silo coupled with a standard MC – CMC15



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection according to chosen boiler body**			
>	MC 5.20 Classic casing	138	**902 028**	**396**
>	MC 5.30 Classic casing		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
221	**Coupling kit**			
>	MC–CDM Coupling Kit	142	**900 112**	**608**
251	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 Connect SSC	107	**902 830**	**8 790**
>	OptiPellet 17 C-DRC7 Connect SSC		**902 831**	**8 990**
>	OptiPellet 23 C-DRC7 Connect SSC		**902 832**	**9 490**
>	OptiPellet 33 C-DRC7 Connect SSC		**902 833**	**9 790**
>	OptiPellet 45 C-DRC7 Connect SSC		**902 834**	**10 790**
261	**Silo type selection (Buildable Silo or Textile Silo)**			
>	SilBat + VTC10	115	**902 680**	**2 690**
>	SilBat + VTC15		**902 681**	**2 880**
>	SilBat + VTC20		**902 682**	**2 990**
>	SilBat + VTC25		**902 683**	**3 180**
>	SilBat + VTC30		**902 684**	**3 280**
>	SilTex 200x200 + VTA	114	**902 690**	**4 890**
>	SilTex 200x250 + VTA		**902 775**	**5 070**
>	SilTex 250x250 + VTA		**902 691**	**5 450**
>	SilTex 250x300 + VTA		**902 776**	**5 670**
>	SilTex 300x300 + VTA		**902 692**	**6 150**
271	**Mandatory selection of outdoor sensor type**			
>	C+ Outdoor Sensor – F (Wired)	107	**900 600**	**60**
>	C+ Outdoor/Room Sensor – R (Wireless)		**900 601**	**115**
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**

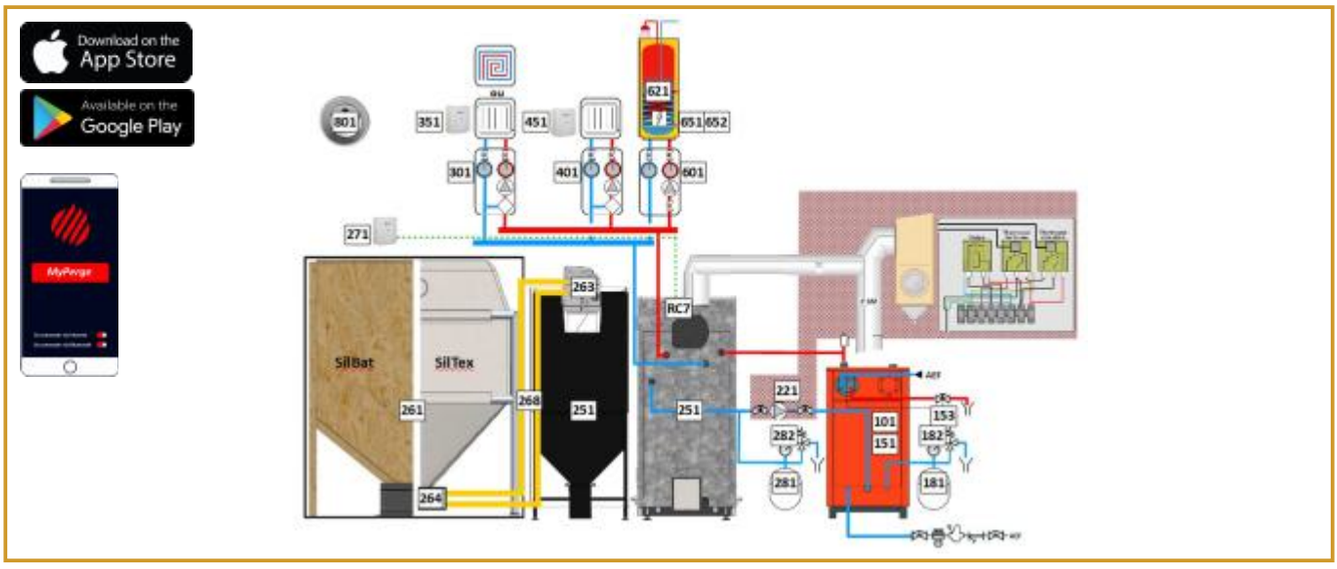
N°	Designation	Page	Ref	€ Excl. tax
282	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 – Direct hydraulic**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**Heating circuit no. 2 – Direct hydraulic module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7-FM		**900 613**	**588**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If DHW mixed electric, selection of immersion heater according to its output and type of power supply**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
>	TR30 - 3,0 kW three-phase		**900 555**	**490**
>	TR45 - 4,5 kW three-phase		**900 448**	**543**
>	TR60 - 6,0 kW three-phase		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT180, diameter 180 mm	212	**900 467**	**247**

OptiPellet Connect + auger-fed silo coupled with an MC with buffer tank – CMC35

N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection according to chosen boiler body**			
>	MC 5.20 Classic casing	138	**902 028**	**396**
>	MC 5.30 Classic casing		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Coupling kit**			
>	MB	208	**900 400**	**1 259**
>	M2B		**900 405**	**1 304**
222	**Flue gas thermostat**			
>	THF	138	**900 016**	**150**
251	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 Connect	106	**902 800**	**8 990**
>	OptiPellet 17 C-DRC7 Connect		**902 801**	**9 190**
>	OptiPellet 23 C-DRC7 Connect		**902 802**	**9 690**
>	OptiPellet 33 C-DRC7 Connect		**902 803**	**9 990**
>	OptiPellet 45 C-DRC7 Connect		**902 804**	**10 990**
261	**Silo type selection (Buildable Silo or Textile Silo)**			
>	SilBat + VTC10	115	**902 680**	**2 690**
>	SilBat + VTC15		**902 681**	**2 880**
>	SilBat + VTC20		**902 682**	**2 990**
>	SilBat + VTC25		**902 683**	**3 180**
>	SilBat + VTC30		**902 684**	**3 280**
>	SilTex 200x200 + VTA	114	**902 690**	**4 890**
>	SilTex 200x250 + VTA		**902 775**	**5 070**
>	SilTex 250x250 + VTA		**902 691**	**5 450**
>	SilTex 250x300 + VTA		**902 776**	**5 670**
>	SilTex 300x300 + VTA		**902 692**	**6 150**
271	**Mandatory selection of outdoor sensor type**			
>	C+ Outdoor Sensor – F (Wired)	106	**900 600**	**60**
>	C+ Outdoor/Room Sensor – R (Wireless)		**900 601**	**115**
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**

N°	Designation	Page	Ref	€ Excl. tax
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 – Direct hydraulic module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	106	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**Heating circuit no. 2 – Direct hydraulic module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	106	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7-FM		**900 613**	**588**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If mixed electric DHW: Select the immersion heater according to its power rating and type of electrical supply**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
>	TR30 - 3,0 kW three-phase		**900 555**	**490**
>	TR45 - 4,5 kW three-phase		**900 448**	**543**
>	TR60 - 6,0 kW three-phase		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT180, diameter 180 mm	212	**900 467**	**247**

OptiPellet Connect with vacuum-fed silo coupled with a standard MC – CMC16



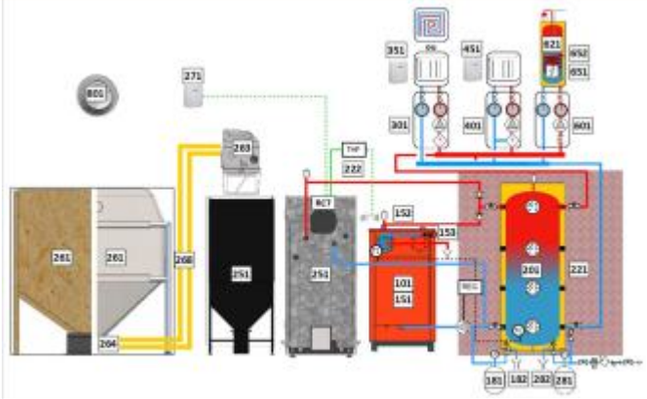
N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection according to chosen boiler body**			
>	MC 5.20 Classic casing	138	**902 028**	**396**
>	MC 5.30 Classic casing		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
221	**Coupling kit**			
>	MC–CDM Coupling Kit	138	**900 112**	**608**
251	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 SS + MiniSilo	107	**902 880**	**9 780**
>	OptiPellet 17 C-DRC7 SS + MiniSilo		**902 881**	**9 980**
>	OptiPellet 23 C-DRC7 SS + MiniSilo		**902 882**	**10 480**
>	OptiPellet 33 C-DRC7 SS + MiniSilo		**902 883**	**10 980**
>	OptiPellet 45 C-DRC7 SS + MiniSilo		**902 884**	**11 980**
261	**Silo type selection (Buildable Silo or Textile Silo)**			
>	SilBat 10 Aspi	115	**902 700**	**1 990**
>	SilBat 15 Aspi		**902 701**	**2 190**
>	SilBat 20 Aspi		**902 702**	**2 290**
>	SilBat 25 Aspi		**902 703**	**2 490**
>	SilBat 30 Aspi		**902 704**	**2 590**
>	SilTex 200x200		**902 676**	**3 130**
>	SilTex 200x250		**902 770**	**3 310**
>	SilTex 250x250	114	**902 677**	**3 690**
>	SilTex 250x300		**902 771**	**3 910**
>	SilTex 300x300		**902 678**	**4 390**
263	**Vacuum unit selection (monobloc or twin-block)** **Note: For SilTex, do not forget the mandatory additional component**			
>	Monobloc vacuum unit	114	**902 821**	**1 055**
>	Twin-block vacuum unit		**902 827**	**1 593**
264	**Mandatory additional component if using SilTex silo**			
>	For twin-tube vacuum system	114	**902 823**	**408**
>	For single-tube vacuum system		**902 824**	**700**
268	**Vacuum piping**			
>	Vacuum piping – 20 m coil	114	**902 698**	**445**
271	**Mandatory selection of outdoor sensor type**			
>	C+ Outdoor Sensor – F (Wired)	107	**900 600**	**60**
>	C+ Outdoor/Room Sensor – R (Wireless)		**900 601**	**115**

N°	Designation	Page	Ref	€ Excl. tax
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Selection of safety device**			
>	Soupape-manomètre	211	**900 404**	**23**
>	Potence PSRV (vase 35 litres maximum)		**900 564**	**97**
301	**Heating circuit no. 1 – Direct hydraulic**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**Heating circuit No. 2 – Hydraulic module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7-FM		**900 613**	**588**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If mixed electric DHW: Select the immersion heater according to its power rating and type of electrical supply**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
>	TR30 - 3,0 kW three-phase		**900 555**	**490**
>	TR45 - 4,5 kW three-phase		**900 448**	**543**
>	TR60 - 6,0 kW three-phase		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT180, diameter 180 mm	212	**900 467**	**247**

OptiPellet Connect with vacuum-fed silo coupled with an MC with buffer tank – CMC36

Download on the App Store

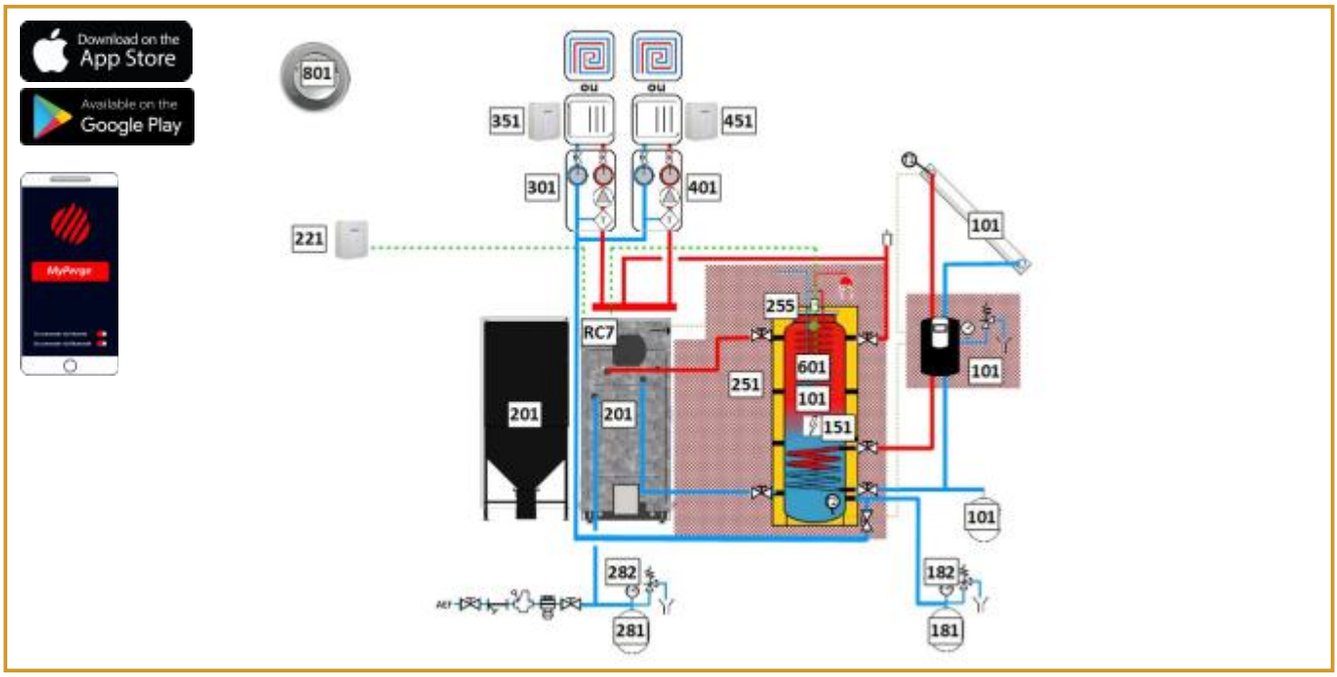
Available on the Google Play



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection according to chosen boiler body**			
>	MC 5.20 Classic casing	138	**902 028**	**396**
>	MC 5.30 Classic casing		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Coupling kit**			
>	MB	208	**900 400**	**1 259**
>	M2B		**900 405**	**1 304**
222	**Flue gas thermostat**			
>	THF	138	**900 016**	**150**
251	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 Connect + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 Connect + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 Connect + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 Connect + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 Connect + MiniSilo		**902 854**	**12 180**
261	**Silo type selection (Buildable Silo or Textile Silo)**			
>	SilBat 10 Aspi	115	**902 700**	**1 990**
>	SilBat 15 Aspi		**902 701**	**2 190**
>	SilBat 20 Aspi		**902 702**	**2 290**
>	SilBat 25 Aspi		**902 703**	**2 490**
>	SilBat 30 Aspi		**902 704**	**2 590**
>	SilTex 200x200		**902 676**	**3 130**
>	SilTex 200x250	114	**902 770**	**3 310**
>	SilTex 250x250		**902 677**	**3 690**
>	SilTex 250x300		**902 771**	**3 910**
>	SilTex 300x300		**902 678**	**4 390**
263	**Vacuum unit selection (Monobloc or Twin-block)** **Note: For SilTex, do not forget the mandatory additional component**			
>	Monobloc vacuum unit	114	**902 821**	**1 055**
>	Twin-block vacuum unit		**902 827**	**1 593**
264	**Mandatory additional component if using SilTex silo**			
>	For twin-tube vacuum system	114	**902 823**	**408**
>	For single-tube vacuum system		**902 824**	**700**
268	**Vacuum piping**			
>	Vacuum piping – 20 m coil	114	**902 698**	**445**
271	**Mandatory selection of outdoor sensor type**			
>	C+ Outdoor Sensor – F (Wired)	107	**900 600**	**60**
>	C+ Outdoor/Room Sensor – R (Wireless)		**900 601**	**115**

N°	Designation	Page	Ref	€ Excl. tax
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 – Direct hydraulic module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory choice of room sensor for circuit 1**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**Heating circuit no. 2 – Direct hydraulic module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**If DHW: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7-FM		**900 613**	**588**
621	**Selection of DHW tank based on its capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If mixed electric DHW: Select the immersion heater according to its power rating and type of electrical supply**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
>	TR30 - 3,0 kW three-phase		**900 555**	**490**
>	TR45 - 4,5 kW three-phase		**900 448**	**543**
>	TR60 - 6,0 kW three-phase		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Chimney draught stabilizer**			
>	MT180, diameter 180 mm	212	**900 467**	**247**

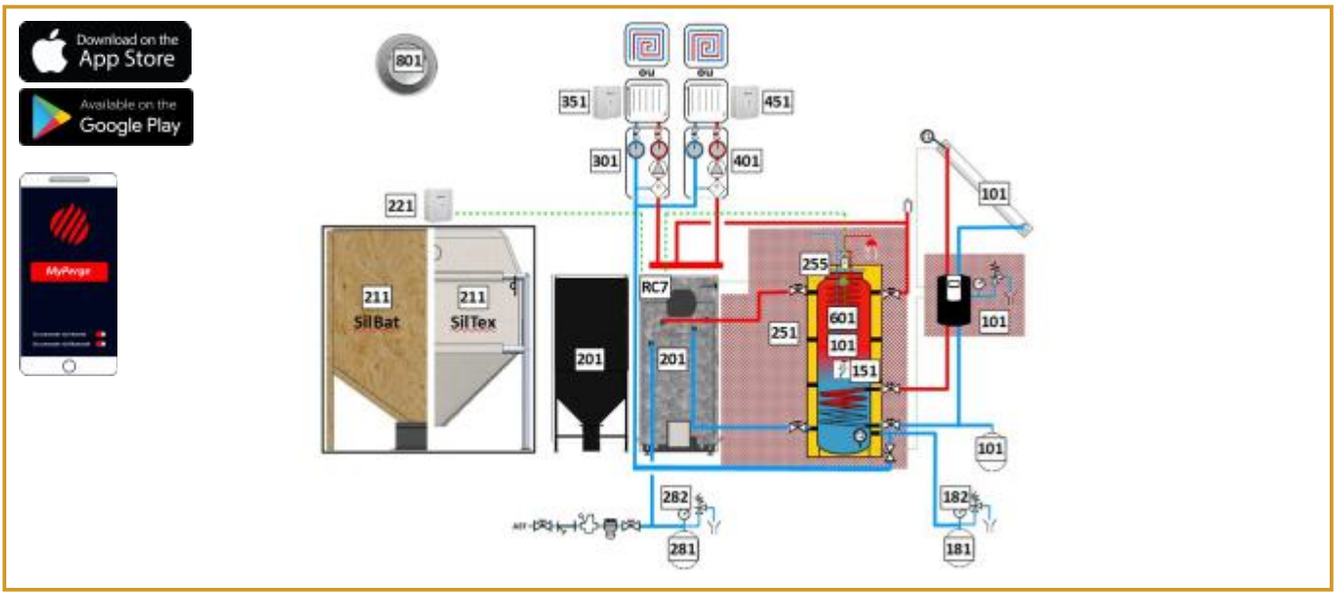
OptiPellet Connect with MiniSilo + CombiSolar – SSL11



N°	Designation	Page	Ref	€ Excl. tax
101	**CombiSolar model selection**			
	Roof-parallel – heating only			
>	CombiSolar 1000 C-T	196	**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On frame – heating only			
>	CombiSolar 1000 C-S	196	**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**
	Roof-parallel – heating and DHW			
>	CombiSolar 1000 B-T	196	**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On frame – heating and DHW			
>	CombiSolar 1000 B-S	196	**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
121	**Solar connection selection**			
>	25 m stainless steel DN25 connection	196	**900 660**	**760**
151	**Immersion heater selection based on power rating**			
>	TR30 - 3,0 kW single-phase	210	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
181	**Expansion vessel selection**			
>	35-litre expansion vessel	211	**900 366**	**109**
>	50-litre expansion vessel		**900 367**	**129**
>	80-litre expansion vessel		**900 625**	**219**
>	100-litre expansion vessel		**900 368**	**247**
>	200-litre expansion vessel		**900 369**	**431**
182	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 Connect + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 Connect + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 Connect + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 Connect + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 Connect + MiniSilo		**902 854**	**12 180**
221	**Selection of outdoor sensor type (Wired or Wireless)**			
>	C+ Outdoor Sensor – F (Wired)	107	**900 600**	**60**
>	C+ Outdoor/Room Sensor – R (Wireless)		**900 601**	**115**
251	**Pellet boiler connection accessories**			
>	SBF	208	**900 412**	**503**

N°	Designation	Page	Réf	€ Excl. tax
255	**Thermostatic sanitary mixing valve**			
>	1/2" F thermostatic mixing valve, 30–70°C	207	**990 713**	**106**
281	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory selection of room sensor type for circuit 1**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**Heating circuit no. 2**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**DHWsensor**			
>	DHW temperature sensor for Connect	210	**992 041**	**12**
801	**Draught stabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

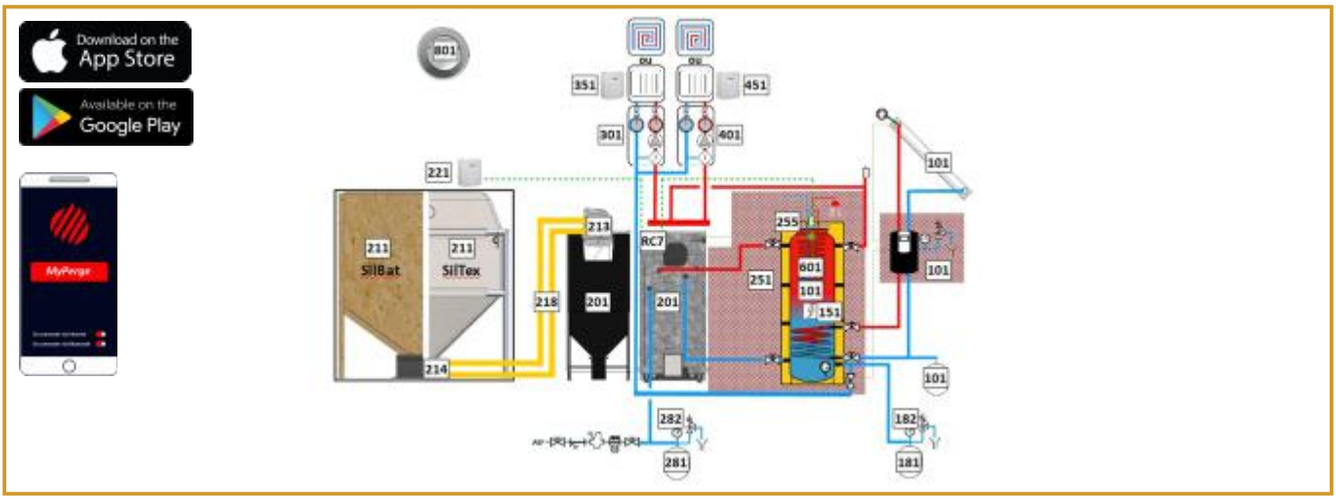
OptiPellet Connect with auger-fed silo + CombiSolar – SSL15



N°	Designation	Page	Ref	€ Excl. tax
101	**CombiSolar model selection**			
	Roof-parallel – heating only			
>	CombiSolar 1000 C-T	196	**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On frame – heating only			
>	CombiSolar 1000 C-S	196	**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**
	Roof-parallel – heating and DHW			
>	CombiSolar 1000 B-T	196	**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On frame – heating and DHW			
>	CombiSolar 1000 B-S	196	**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
121	**Solar connection selection**			
>	25 m stainless steel DN20 connection	196	**900 660**	**760**
151	**Immersion heater selection based on power rating**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
181	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
182	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 Connect	106	**902 800**	**8 990**
>	OptiPellet 17 C-DRC7 Connect		**902 801**	**9 190**
>	OptiPellet 23 C-DRC7 Connect		**902 802**	**9 690**
>	OptiPellet 33 C-DRC7 Connect		**902 803**	**9 990**
>	OptiPellet 45 C-DRC7 Connect		**902 804**	**10 990**
211	**Silo type selection (Buildable Silo or Textile Silo)**			
>	SilBat + VTC10	115	**902 680**	**2 690**
>	SilBat + VTC15		**902 681**	**2 880**
>	SilBat + VTC20		**902 682**	**2 990**
>	SilBat + VTC25		**902 683**	**3 180**
>	SilBat + VTC30		**902 684**	**3 280**
>	SilTex 200x200 + VTA	114	**902 690**	**4 890**
>	SilTex 200x250 + VTA		**902 775**	**5 070**
>	SilTex 250x250 + VTA		**902 691**	**5 450**
>	SilTex 250x300 + VTA		**902 776**	**5 670**
>	SilTex 300x300 + VTA		**902 692**	**6 150**

N°	Designation	Page	Ref	€ Excl. tax
221	**Selection of outdoor sensor type (Wired or Wireless)**			
>	C+ Outdoor Sensor – F (Wired)	106	**900 600**	**60**
>	C+ Outdoor Sensor – R (Wireless)		**900 601**	**115**
251	**Pellet boiler connection accessories**			
>	SBF	208	**900 412**	**503**
255	**Thermostatic sanitary mixing valve**			
>	1/2" F thermostatic mixing valve, 30–70°C	207	**990 713**	**106**
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Safety device selection**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory selection of room sensor type for circuit 1**			
>	C+ Room Sensor - Wired	106	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**Heating circuit no. 2**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	106	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**DHW sensor**			
>	DHW temperature sensor for Connect	209	**992 041**	**12**
801	**Draught stabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

OptiPellet Connect with vacuum-fed silo + CombiSolar – SSL16



N°	Designation	Page	Ref	€ Excl. tax
101	**CombiSolar model selection**			
	Roof-parallel – heating only			
>	CombiSolar 1000 C-T	196	**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On frame – heating only			
>	CombiSolar 1000 C-S	196	**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**
	Roof-parallel – heating and DHW			
>	CombiSolar 1000 B-T	196	**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On frame – heating and DHW			
>	CombiSolar 1000 B-S	196	**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
121	**Solar connection selection**			
>	25 m stainless steel DN20 connection	196	**900 660**	**760**
151	**Immersion heater selection based on power rating**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
181	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
182	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Boiler model selection based on required output**			
>	OptiPellet 12 C-DRC7 Connect + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 Connect + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 Connect + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 Connect + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 Connect + MiniSilo		**902 854**	**12 180**
211	**Silo type selection (Buildable Silo or Textile Silo)**			
>	SilBat 10 Aspi	115	**902 700**	**1 990**
>	SilBat 15 Aspi		**902 701**	**2 190**
>	SilBat 20 Aspi		**902 702**	**2 290**
>	SilBat 25 Aspi		**902 703**	**2 490**
>	SilBat 30 Aspi		**902 704**	**2 590**
>	SilTex 200x200	114	**902 676**	**3 130**
>	SilTex 200x250		**902 770**	**3 310**
>	SilTex 250x250		**902 677**	**3 690**
>	SilTex 250x300		**902 771**	**3 910**
>	SilTex 300x300		**902 678**	**4 390**
213	**Vacuum unit selection (monobloc or twin-block)** **Note: For SilTex, do not forget the mandatory additional component**			
>	Monobloc vacuum unit	114	**902 821**	**1 055**
>	Twin-block vacuum unit		**902 827**	**1 593**
214	**Mandatory additional component if using SilTex silo**			
>	For twin-tube vacuum system	114	**902 823**	**408**
>	For single-tube vacuum system		**902 824**	**700**

N°	Designation	Page	Ref	€ Excl. tax
218	**Vacuum piping**			
>	Vacuum piping – 20 m coil	114	**902 698**	**445**
221	**Selection of outdoor sensor type (Wired or Wireless)**			
>	C+ Outdoor Sensor – F (Wired)	107	**900 600**	**60**
>	C+ Outdoor Sensor – R (Wireless)		**900 601**	**115**
251	**Pellet boiler connection accessories**			
>	SBF	208	**900 412**	**503**
255	**Thermostatic sanitary mixing valve**			
>	1/2" F thermostatic mixing valve, 30–70°C	207	**990 713**	**106**
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Safety device selection**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory selection of room sensor type for circuit 1**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
401	**Heating circuit no. 2**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory selection of room sensor type for circuit 2**			
>	C+ Room Sensor - Wired	107	**900 601**	**115**
>	C+ Room sensor - Radio		**900 602**	**60**
>	Wired Room Sensor button		**900 604**	**80**
>	Radio Room Sensor button		**900 605**	**138**
601	**DHW sensor**			
>	DHW temperature sensor for Connect	209	**992 041**	**12**
801	**Draught stabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

Log Boilers

GFI: An eco-friendly range up to 40 kW

- A plentiful and low-cost renewable energy source
- Class 5 boiler
- 7-Star Green Flame certification
- Range of thermal storage tanks from 500 to 2,000 litres

Class 5 reverse combustion

✓ = Factory-fitted — = Not applicable

Series	GFI	GFI + BT	GFI + BTM
Page	128	130 - 131	
Fuel	Log wood	Log wood	
Configuration	Boiler	Boiler room	
Combustion type	Reverse combustion	Reverse combustion	
Output (kW)	15 - 20 - 25 - 30 - 40	15 - 20 - 25 - 30 - 40	
Services: Heating	✓	✓	
DHW	—	✓	
Class according to EN 303-5	5	5	
Buffer tanks	Mandatory. Not included	500 - 800 - 1000 - 1500 - 2000	
Heating circuit circulating pump	External installation	External installation	
Control: Weather-compensated	✓	✓	
Flue outlet diameter (mm)	150	150	
DHW type	—	External	Immersed DHW heat exchanger

MC: Repairability at the service of our customers

- Over 60,000 units installed
- Spare parts available for appliances delivered since 1985
- Guaranteed long-term maintenance and operation

	Natural draught		Multi-fuel
			
✓ = Factory-fitted — = Not applicable			
Series	**MC Classique**	**MC CI**	**GTEI**
Page	**138**	**154**	**159**
Fuel	Log wood	Log wood	Log wood + bio-oil
Configuration	Spare parts Like-for-like replacement	Spare parts Like-for-like replacement	Spare parts Like-for-like replacement
Combustion type	Natural draught	Natural draught	Natural draught
Output (kW)	20 - 30 - 40	20 - 30	20/24 - 30/24
Services: Heating	✓	✓	✓
DHW	–	✓	–
Buffer tanks	Not required	Mandatory	Not required
Heating circuit circulating pump	External installation	External installation	External installation
Thermostatic draught regulator	✓	✓	✓
Flue outlet diameter (mm)	180	180	180
DHW type	–	Integrated storage	–
Tank type and volume (L)	–	Stainless steel 150 L	–

Class 5
Log Boilers

GFI

15 to 40 kW

7-Star Green Flame certified

Heating only
Heating + DHW production

Flue gas extraction

Reduced buffer volume, no recycling kit required

PERGE GFI boilers are equipped with an anti-corrosion protection system that eliminates the need for a recycling kit.
In addition, the control system allows the boiler to operate at lower output levels during mid-season periods, making it possible to install a smaller buffer tank — resulting in cost savings and space efficiency.

Fire maintenance

PERGE GFI boilers are fitted with a mechanical low-fuel level detection system.
When this level is detected, the boiler switches from combustion mode to fire maintenance mode and remains on standby for several hours, awaiting reloading.
After this period, a manual re-ignition is required.

Our Guidelines as Manufacturer

The installation, commissioning, maintenance, and use of our products are subject to various applicable standards and regulations at European, national, or local levels. It is the responsibility of the professional to be aware of and comply with these regulations, without any obligation on our part to list them exhaustively.

However, we strongly recommend that professionals pay particular attention to the following regulatory documents:
- DTU 24.1 – Chimney work – Flue gas evacuation systems serving one or more appliances
- EN 13384-1 – Chimneys – Thermal and aerodynamic calculation method – Part 1: Chimneys serving a single combustion appliance

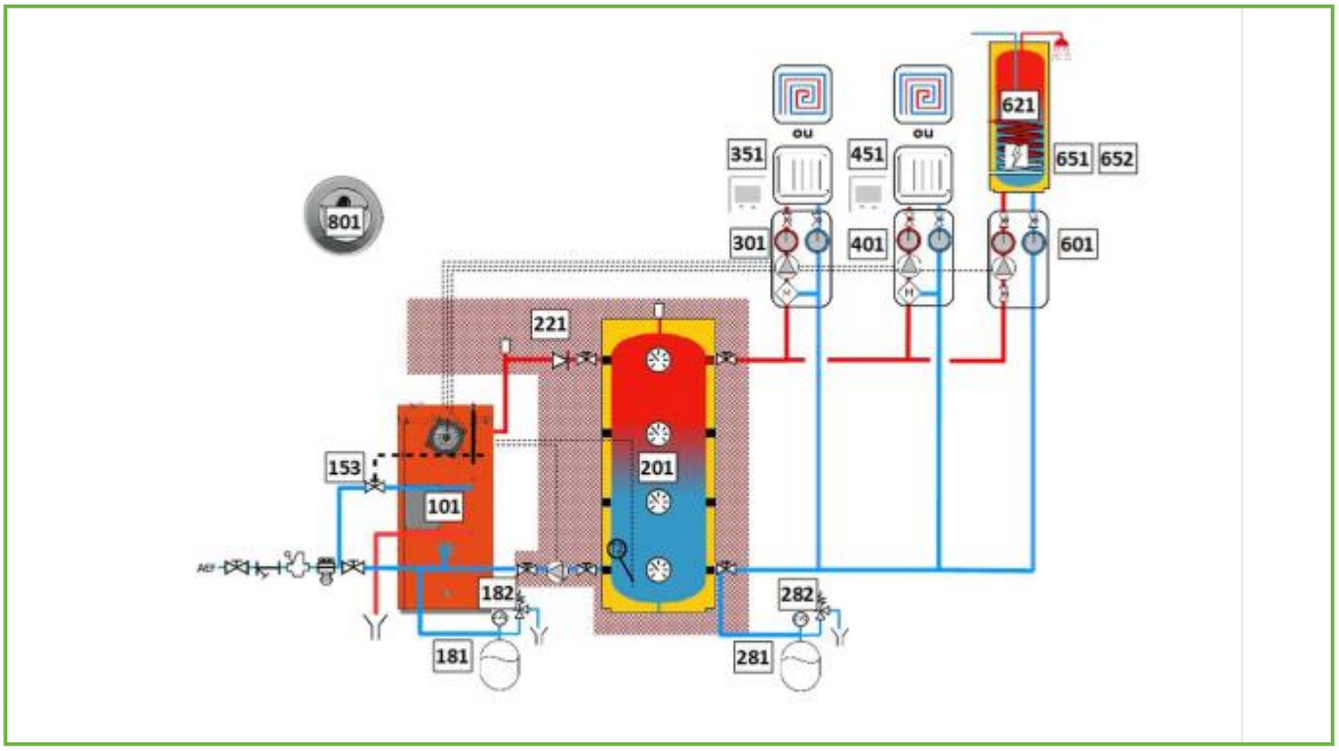
In addition to these standards and regulations, our specific technical requirements are as follows:
- **Chimney draught must be between 12 and 22 Pa**
- **A thermal safety valve is mandatory**
- **The fuel must meet the requirements defined in the Technical and Dimensional Specifications table**

Designation	Description		Ref	€ Excl. tax
GFI 15	**High-performance reverse flame wood-fired boiler:** **• Class 5 according to EN 303-5 standard (efficiency above 91%)** **• Compliant with 7-Star Green Flame requirements** **• Compliant with CEE bonus requirements effective from January 1, 2022** **No recycling kit required** Combustion control via oxygen sensor (lambda sensor) acting on air flaps (primary/secondary distribution) and power modulation via flue gas extractor control (airflow). Refractory ceramic post-combustion chamber. Anti-corrosion protection system eliminating the need for a recycling kit. Factory-fitted weather-compensated control with a highly intuitive **touchscreen display**, capable of managing up to 2 mixed heating circuits and 1 DHW preparation circuit. Mechanical exchanger cleaning system. Large loading door for full access to the combustion chamber. Factory-mounted anti-boil exchanger (allows operation with a pressurized expansion vessel filled with nitrogen). Other equipment: fire-starting tool, factory-mounted casing with reinforced insulation. Flue outlet diameter: 150 mm.	**15 kW** **Logs 35 cm**	**902 060**	**8 270**
GFI 20		**20 kW** **Logs 35 cm**	**902 061**	**8 642**
GFI 25		**25 kW** **Logs 50 cm**	**902 062**	**9 305**
GFI 30		**30 kW** **Logs 50 cm**	**902 063**	**9 512**
GFI 40		**40 kW** **Logs 50 cm**	**902 064**	**10 195**

Technical and Dimensional Specifications

Designation	GFI 15	GFI 20	GFI 25	GFI 30	GFI 40
Authorized fuel	Wood logs – Minimum NCV: 14 MJ/kg – Maximum ash content: 1.5% – Maximum moisture content: 20% – Maximum diameter: 150 mm				
Maximum log length (cm)	35	35	50	50	50
Nominal output (kW)	15	20	25	30	40
Power range	7,5 - 15	10 - 20	12,5 - 25	15 - 30	12 - 40
Efficiency – Nominal power (%)	91,7	92,3	93,0	93,6	93,3
Efficiency – Minimum power (%)	91,5	92,5	93,5	94,5	94,5
Required chimney draught	Mini : 12 Pa - Maxi : 22 Pa				
Flue gas temperature – Nominal power (°C)	130	130	130	130	160
Flue gas temperature – Minimum power (°C)	110	110	110	110	110
Flue gas mass flow rate – Nominal power (g/s)	10	14	17	20	22
Flue gas mass flow rate – Minimum power (g/s)	6	8	10	12	8
CO_2 emissions (%)	11	11	11	11	11
Seasonal CO emissions (at 10% O_2)	162	146	131	115	63
Seasonal Gaseous Organic Compounds – CnHm (at 10% O_2)	7	5	4	2	2
Seasonal NOx emissions (at 10% O_2)	168	167	167	166	158
Seasonal particulate emissions (at 10% O_2)	16	16	16	16	25
Power consumption during operation (W)	29	33	37	40	47
Power consumption in standby (W)	2	2	2	2	3
Class according to EN 303-5	5	5	5	5	5
Green Flame equivalence	7*	7*	7*	7*	7*
Compliance with 2022 C.E.E. requirements	Oui	Oui	Oui	Oui	Oui
ETAS – Seasonal energy efficiency (%) according to 2015/1189	79	80	80	81	82
Energy Efficiency Index	116	117	118	119	120
Energy class	A+	A+	A+	A+	A+
Controller class with outdoor and room sensor TA-GFI R or TA-GFI R with remote display according to European Directive 2009/125/EC (ErP)	VI (4%)	VI (4%)	VI (4%)	VI (4%)	VI (4%)
Maximum sound power level (dB)	55				
Power supply	230 V / 0,5A / 50 Hz				
Flow temperature setting (°C)	70 - 95				
Water volume (dm^3)	40		55		
Maximum operating pressure (bar)	3	3	3	3	3
A – Boiler height – door open (mm)	1700	1700	1700	1700	1700
A – Boiler height (mm)	1200	1200	1200	1200	1200
B – Boiler width (mm)	530	530	714	714	714
C – Width at foot axis (mm)	400	400	585	585	585
D – Flue outlet diameter (mm)	150 M	150 M	150 M	150 M	150 M
E – Flow outlet setback (mm)	79	79	79	79	79
F – Flow outlet height (mm)	940	940	940	940	940
G – Cold water inlet height – anti-boil exchanger (mm)	719	719	719	719	719
H – Hot water outlet height – anti-boil exchanger (mm)	469	469	469	469	469
I – Heating return height (mm)	368	368	368	368	368
J – Drain height (mm)	128	128	128	128	128
K – Boiler casing depth (mm)	634	634	634	634	634
L – Total depth (including extractor) (mm)	955	955	955	955	955
M – Rear clearance – flue outlet (mm)	176	176	176	176	176
N – Anti-boil tapping	G1/2''F	G1/2''F	G1/2''F	G1/2''F	G1/2''F
O – Heating return	G1''1/2F	G1''1/2F	G1''1/2F	G1''1/2F	G1''1/2F
P – Heating flow	G1''1/2F	G1''1/2F	G1''1/2F	G1''1/2F	G1''1/2F
Weight (kg)	330	330	440	440	440
Loading chamber volume (dm^3)	80		120		
Loading space dimensions (mm)	355 x 355		540 x 355		

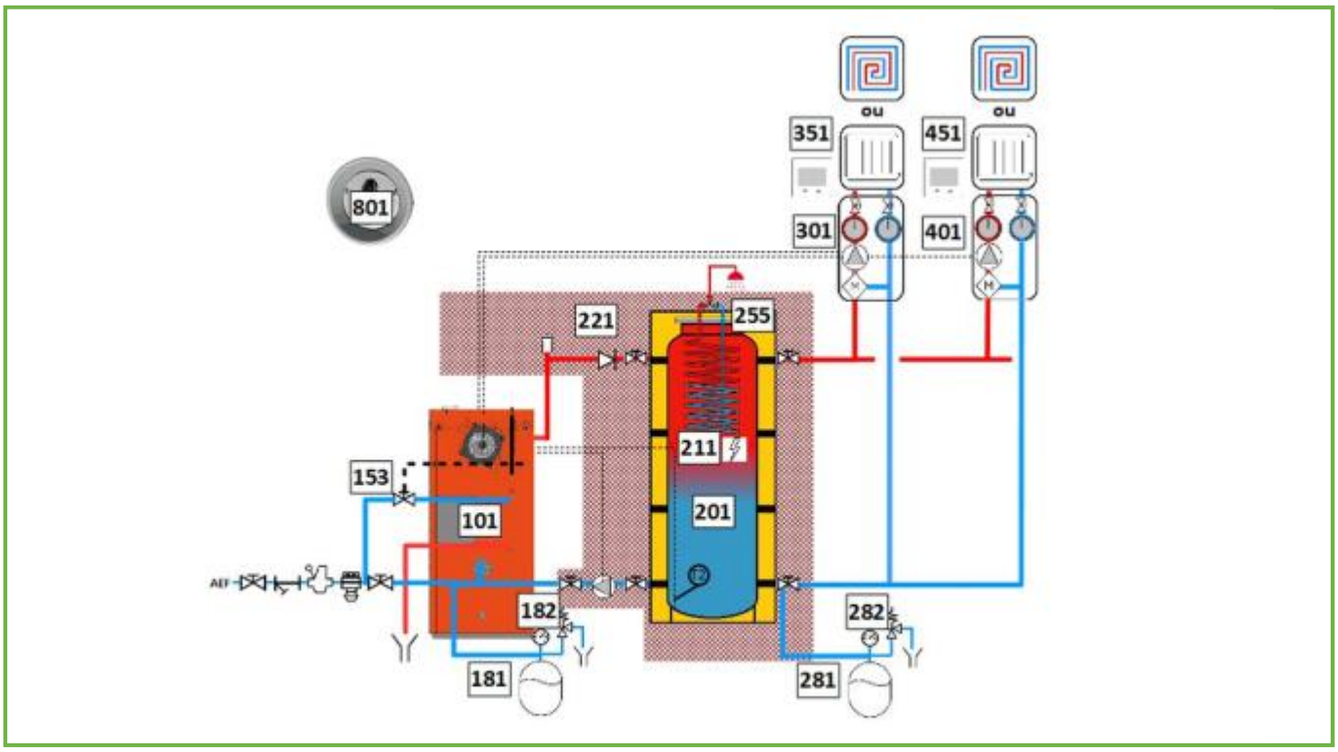
Class 5 Wood Boiler GFI with Buffer Tank – GFI01



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	GFI 15	128	**902 060**	**8 270**
>	GFI 20		**902 061**	**8 642**
>	GFI 25		**902 062**	**9 305**
>	GFI 30		**902 063**	**9 512**
>	GFI 40		**902 064**	**10 195**
153	**Thermal safety valve**			
>	Thermal safety valve	132	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Accessories for connecting GFI boiler to buffer tank**			
>	GFIB	208	**900 488**	**456**
>	GFIB2		**900 489**	**677**
281	**Selection of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**

N°	Designation	Page	Ref	€ Excl. tax
351	**Heating circuit no. 1 room thermostat – wireless**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
401	**Heating circuit no. 2 MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
411	**Wall sensor selection mandatory**			
>	SAP-GFI	132	**992 330**	**30**
451	**Heating circuit no. 2 room thermostat – wireless**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
601	**If DHW:Direct hydraulic module for DHW (includes circulator, shut-off valves, thermometers, non-return valve for thermosiphon prevention)**			
>	MHP GFI	132	**900 490**	**452**
>	MHP GFI-FM		**900 615**	**588**
>	SDG-GFI		**992 329**	**27**
621	**Selection of DHW tank based on capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If mixed electric DHW, select immersion heater based on power and electrical supply type**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**
652	**Flange required if TR immersion heater is used**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draughtstabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

Class 5 Wood Boiler GFI with Mixed Buffer Tank – GFI02



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	GFI 15	128	**902 060**	**8 270**
>	GFI 20		**902 061**	**8 642**
>	GFI 25		**902 062**	**9 305**
>	GFI 30		**902 063**	**9 512**
>	GFI 40		**902 064**	**10 195**
153	**Thermal safety valve**			
>	Thermal safety valve	132	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Mixed buffer tank selection**			
	Removable copper DHW coil			
>	BTM-SC 500	206	**900 580**	**2 536**
>	BTM-SC 800		**900 581**	**2 987**
>	BTM-SC 1000		**900 582**	**3 109**
>	BTM-SC 1500		**900 583**	**4 408**
>	BTM-SC 2000		**900 587**	**5 998**
	Stainless steel DHW coil			
>	BTM-SI 800	206	**900 309**	**2 987**
>	BTM-SI 1000		**900 310**	**3 109**
>	BTM-SI 1500		**900 316**	**4 408**
211	**Immersion heater selection based on power rating and type of electrical supply**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**

N°	Designation	Page	Ref	€ Excl. tax
221	**Accessories for connecting GFI boiler to buffer tank**			
>	GFIB	208	**900 488**	**456**
>	GFIB2		**900 489**	**677**
255	**Thermostatic sanitary mixing valve**			
>	1/2" F thermostatic mixing valve, 30–70°C	207	**990 713**	**106**
281	**Selection of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
351	**Heating circuit no. 1 room thermostat – wireless**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
401	**Heating circuit no. 2 MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
411	**Wall sensor selection mandatory**			
>	SAP-GFI	132	**992 330**	**30**
451	**Heating circuit no. 2 room thermostat – wireless**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
801	**Draughtstabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

GFI: Mandatory Equipment

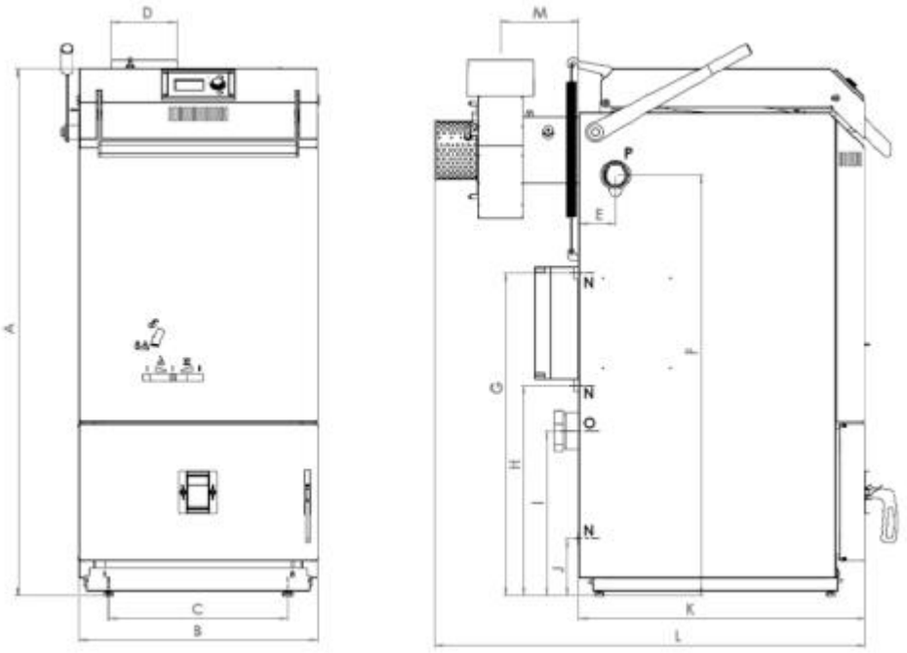
Designation	Description	Ref	€ Excl. tax
SST	Thermal safety valve to prevent boiler overheating. It must be connected to the anti-boil exchanger in installations with a closed expansion vessel.	**900 285**	**141**
MT150 **MT180**	Draught stabilizer, diameter 150 mm Draught stabilizer, diameter 180 mm	**900 466** **900 467**	**167** **247**

GFI : Specific optional equipment

Designation	Description	Ref	€ Excl. tax
GFIB	**Accessories for connecting a GFI boiler to 1 buffer tank**, including: 1 circulating pump, 1 air vent, 4 shut-off valves, 1 non-return valve, 1 drain valve, 1 thermometer, 5 blanking plugs, and reducers.	**900 488**	**456**
GFIB2	**Accessories for connecting a GFI boiler to 2 buffer tanks**, including: 1 circulating pump, 2 air vents, 6 shut-off valves, 1 non-return valve, 2 drain valves, 5 thermometers, 10 blanking plugs, and reducers.	**900 489**	**677**
TA GFI-R	Programmable room thermostat	**900 492**	**248**
TA GFI-R with remote control panel	Programmable room thermostat with remote display of the controller interface via app	**900 491**	**476**
MHP GFI	**Primary DHW hydraulic module for GFI boiler**, including: DHW temperature sensor for GFI controller, loading pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers, and insulation shells.	**900 490**	**452**
MHP GFI-FM	Same as MHP GFI + magnetic filter	**900 615**	**588**
SDG-GFI	DHW sensor for GFI controller – Pocket sensor	**992 329**	**27**
SAP-GFI	Flow sensor for GFI controller – Wall-mounted sensor	**992 330**	**30**
Clapet gravitaire	Non-return valve for thermosiphon connection between boiler and buffer tank	**900 563**	**94**
Couplage GFI	Coupling kit for GFI boiler with non-PERGE boiler, including zone valve and relay	**900 654**	**247**

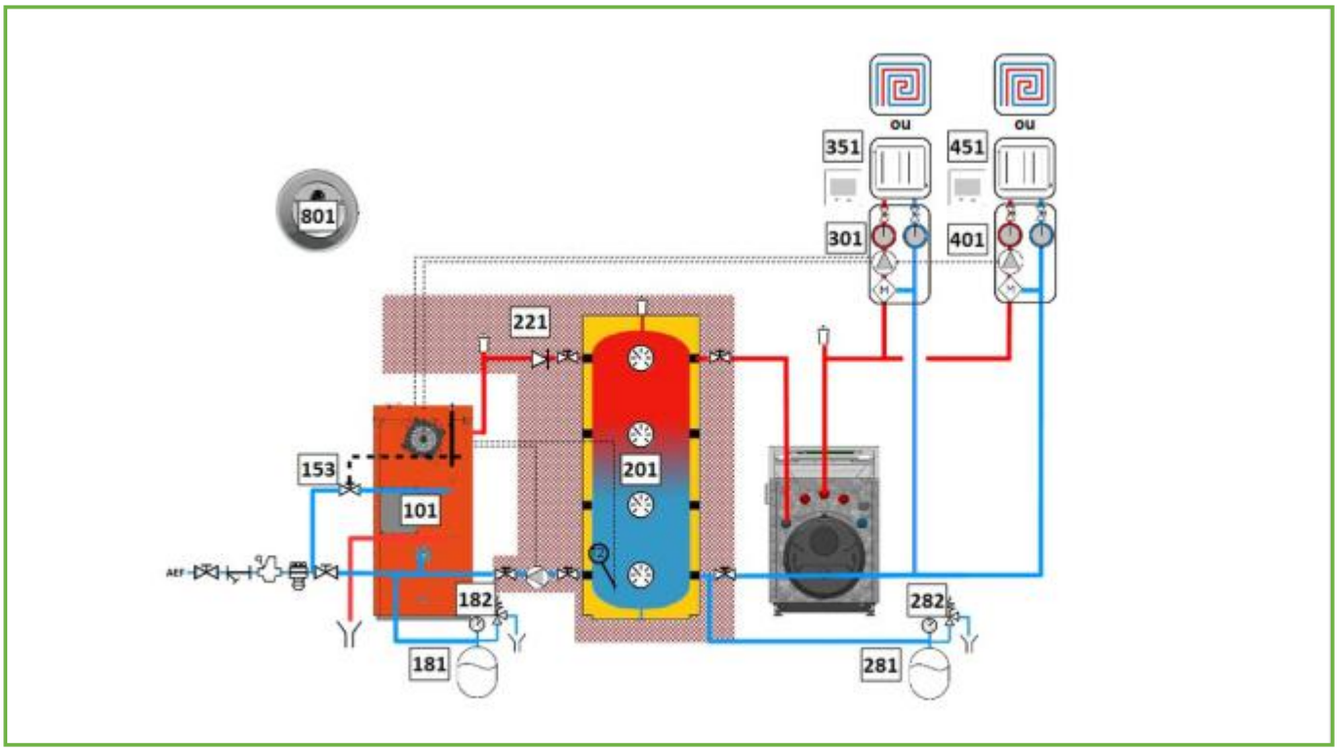
Standard optional accessories

Description	More information, page...
Expansion vessel and safety valve	**211**
Buffer tanks	**206**
Hydraulic modules	**210**
Domestic hot water tanks	**209**
Auxiliary electric heating elements	**209**



Pricing Support – GFI Couplings – Table of Contents

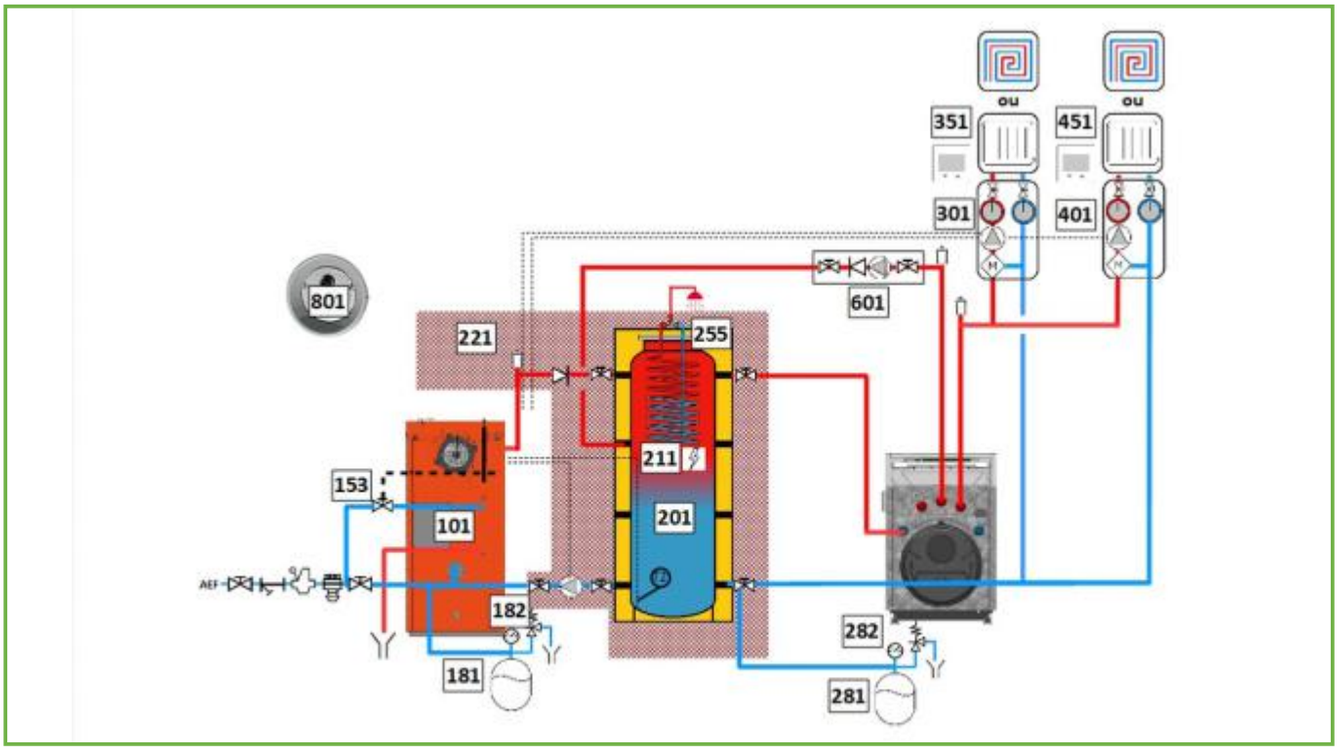
GFI with Buffer Tank coupled with an Optitherm – CGF01



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	GFI 15	128	**902 060**	**8 270**
>	GFI 20		**902 061**	**8 642**
>	GFI 25		**902 062**	**9 305**
>	GFI 30		**902 063**	**9 512**
>	GFI 40		**902 064**	**10 195**
153	**Thermal safety valve**			
>	Thermal safety valve	132	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Safety device selection**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Accessories for connecting GFI boiler to buffer tank**			
>	GFIB	208	**900 488**	**456**
>	GFIB2		**900 489**	**677**
251	**Backup boiler model selection based on required output**			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**

N°	Designation	Page	Ref	€ Excl. tax
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
351	**Heating circuit no. 1 room thermostat – wireless**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
401	**Heating circuit no. 2 MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
411	**Wall sensor selection mandatory**			
>	SAP-GFI	132	**992 330**	**30**
451	**Heating circuit no. 2 room thermostat – wireless**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
801	**Draught stabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

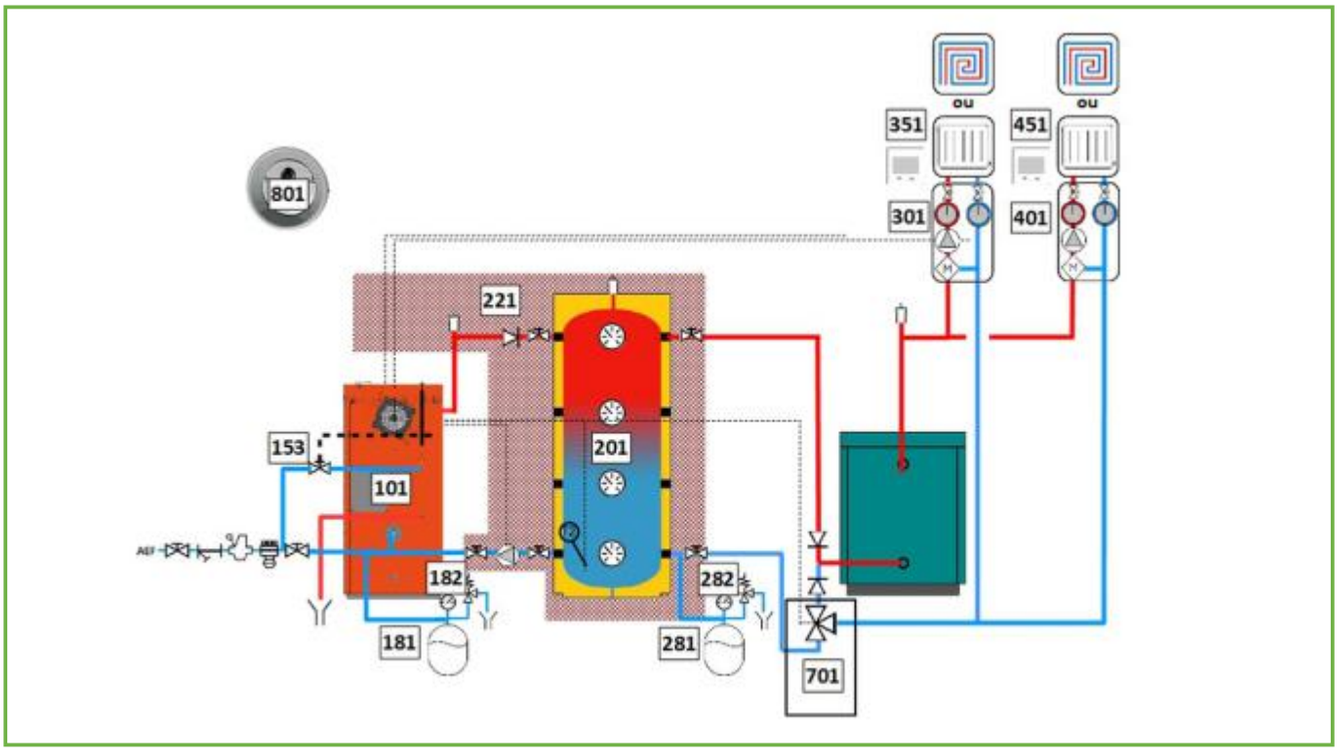
GFI with Mixed Buffer Tank (BTM) coupled with an Optitherm – CGF02



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	GFI 15	128	**902 060**	**8 270**
>	GFI 20		**902 061**	**8 642**
>	GFI 25		**902 062**	**9 305**
>	GFI 30		**902 063**	**9 512**
>	GFI 40		**902 064**	**10 195**
153	**Thermal safety valve**			
>	Thermal safety valve	132	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
	Removable copper DHW coil			
>	BTM-SC 500	206	**900 580**	**2 536**
>	BTM-SC 800		**900 581**	**2 987**
>	BTM-SC 1000		**900 582**	**3 109**
>	BTM-SC 1500		**900 583**	**4 408**
>	BTM-SC 2000		**900 587**	**5 998**
	Stainless steel DHW coil			
>	BTM-SI 800	206	**900 309**	**2 987**
>	BTM-SI 1000		**900 310**	**3 109**
>	BTM-SI 1500		**900 316**	**4 408**
211	**Immersion heater selection based on power rating and type of electrical supply**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**
221	**Accessories for connecting GFI boiler to buffer tank**			
>	GFIB	208	**900 488**	**456**
>	GFIB2		**900 489**	**677**

N°	Designation	Page	Ref	€ Excl. tax
251	**Backup boiler model selection based on required output**			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
255	**Thermostatic sanitary mixing valve**			
>	1/2" F thermostatic mixing valve, 30–70°C	207	**990 713**	**106**
281	**Selection of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
351	**Heating circuit no. 1 room thermostat – wireless**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
401	**Heating circuit no. 2 MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
411	**Wall sensor selection mandatory**			
>	SAP-GFI	132	**992 330**	**30**
451	**Heating circuit no. 2 room thermostat – wireless**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
601	**PECS**			
>	PECS	209	**902 658**	**340**
801	**Draughtstabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

GFI with Buffer Tank (BT) coupled with another oil boiler – CGF03

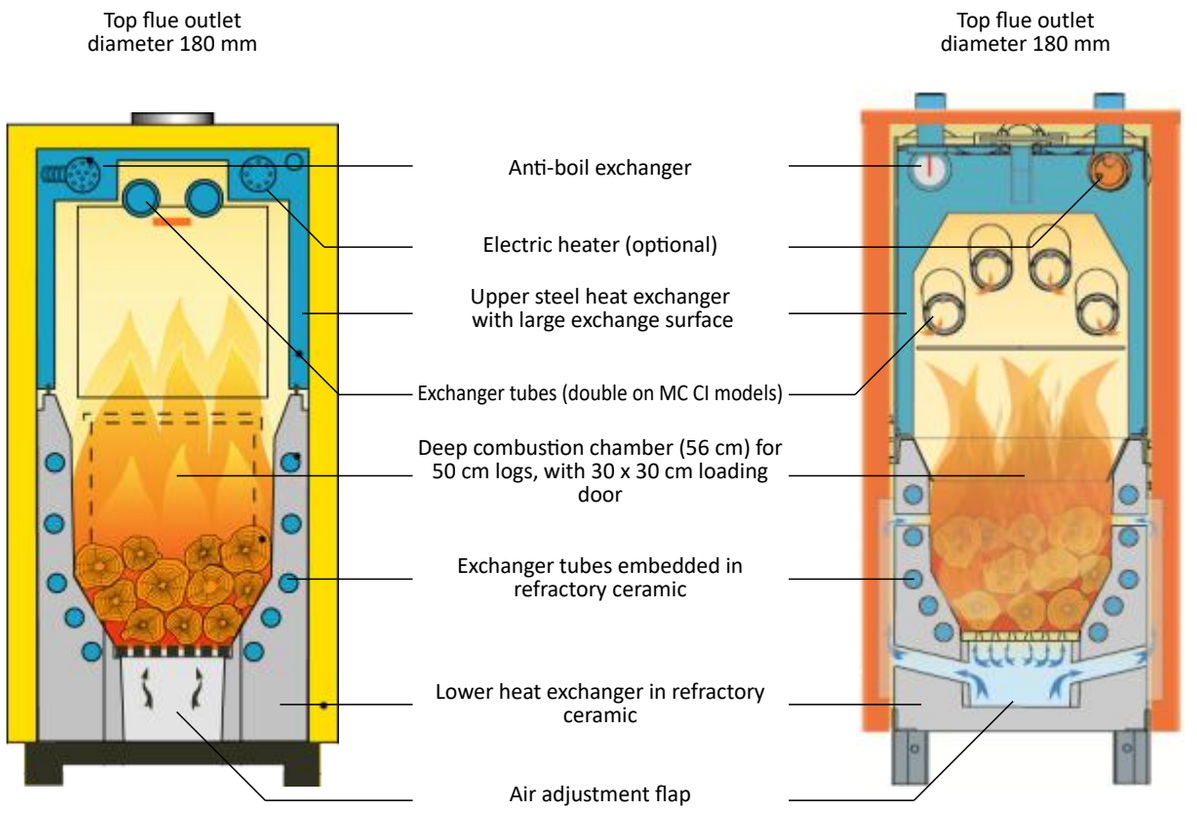


N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	GFI 15	128	**902 060**	**8 270**
>	GFI 20		**902 061**	**8 642**
>	GFI 25		**902 062**	**9 305**
>	GFI 30		**902 063**	**9 512**
>	GFI 40		**902 064**	**10 195**
153	**Thermal safety valve**			
>	Thermal safety valve	132	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Mixed buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Accessories for connecting GFI boiler to buffer tank**			
>	GFIB	208	**900 488**	**456**
>	GFIB2		**900 489**	**677**
281	**Selection of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit no. 1 MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
351	**Heating circuit no. 1 room thermostat – wireless**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
401	**Heating circuit no. 2 MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
411	**Wall sensor selection mandatory**			
>	SAP-GFI	132	**992 330**	**30**
451	**Heating circuit no. 2 room thermostat – wireless**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
701	**GFI coupling – Zone valve and relay**			
>	GFIcoupling	132	**900 654**	**247**
801	**Draughtstabilizer**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

More information on natural draught boilers

Refractory ceramic combustion chamber of PERGE MC boilers



This is a technology particularly well-suited to wood fuel.

In a conventional boiler, whether cast iron or steel, the combustion chamber walls do not exceed—or only slightly exceed—the water temperature, which is around 90°C.

The combustion chamber of PERGE MC boilers consists of a double-tube bundle lower heat exchanger connected to a water jacket. This entire assembly is embedded in a reinforced refractory ceramic casing, forming the combustion chamber.

The internal walls reach temperatures above 500°C, ensuring complete and clean combustion without tar deposits.

Thanks to their design, PERGE MC wood boilers are not subject to corrosion.

As a result, with the MC Classique, installing a buffer tank is unnecessary. A 3-way valve should be installed if domestic hot water is produced and/or to manually regulate the heating circuit temperature.

Lower heat exchanger with double tube bundle

Lower heat exchanger after casting

Key takeaways...

No recycling kit required

No risk of combustion chamber corrosion

Buffer tank not required with an MC Classique

More information on wood–oil and wood–pellet coupling

Wood–oil or wood–pellet coupling

Coupling system allowing a PERGE MC log-burning boiler to be combined with:
–a PERGE OptiPellet pellet boiler
–a PERGE Optitherm oil boiler
–any other brand of oil boiler
–The oil or pellet boiler may be new or already installed.

Thanks to its control system, the coupling kit ensures that the two boilers do not operate simultaneously. They can then be connected to the **same chimney flue.**

The log-burning boiler always takes priority — its operation prevents the oil or pellet boiler from starting.
When no wood is available, **the other boiler automatically takes over.**

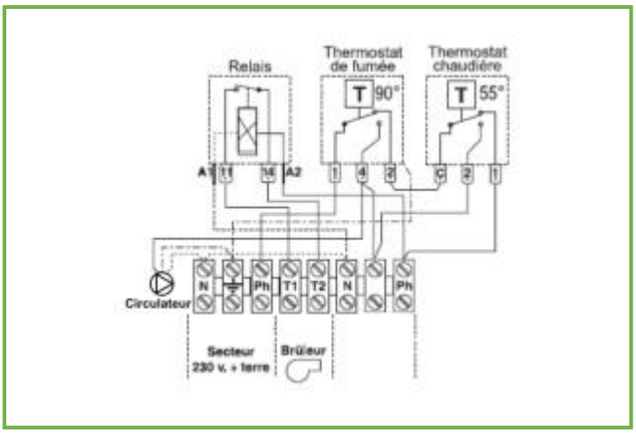
The installation can be done **with or without a buffer tank.**

A coupling installation allows you to choose the most cost-effective energy source at any given time.

Coupling kit 900 112

1 – Electrical connection box with smoke thermostat, boiler thermostat, relay, terminal block, and circulator cable
2 – Connection circulator with seals and 1'' nuts
3 – 1'' anti-thermosiphon valve
4 – Degassing cylinder with manual air vent

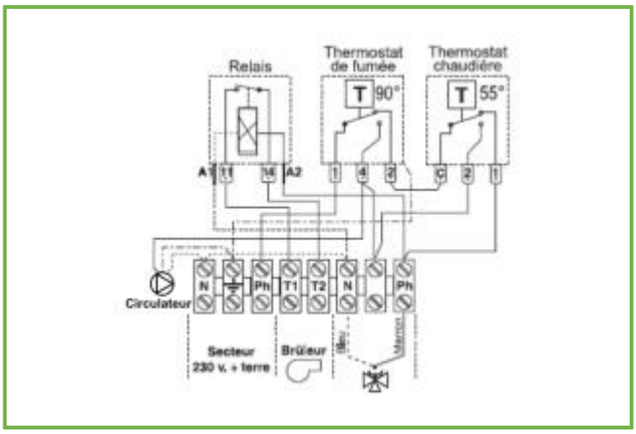
Electrical connection diagram



Coupling kit 900 113

1 – Electrical connection box with smoke thermostat, boiler thermostat, relay, terminal block, and circulator cable
2 – Connection circulator with seals and 1" nuts
3 – 1" anti-thermosiphon valve
4 – Degassing cylinder with manual air vent
5 – Junction box
6 – 1" zone valve

Electrical connection diagram



Natural draught log-burning boilers without buffer tank

MC Classic

- **20 to 40 kW**
- **Repairability**
- **Heating only or heating + DHW production via independent cylinder**
- **Factory-fitted anti-boiling exchanger**
- **Natural draught**

Repairability at the service of our customers

With over 60,000 boilers installed, the MC Classic series offers every guarantee of longevity and reliability.
As part of our policy of maintenance and sustainable operation, we ensure parts availability for appliances sold since 1985.

Simple and economical

A simple, cost-effective installation that requires no buffer tank.

PERGE **MC Classic boilers** do not require electricity to operate. Boiler temperature regulation and overheat safety are ensured by thermostatic elements that function under all circumstances. The anti-boiling exchanger is factory-fitted.

They are also equipped with thermosiphon connection ports to provide domestic hot water production independently. As a result, if the heating system is designed for thermosiphon operation, these boilers can operate fully autonomously and safely, without electricity.

Can be coupled with another energy source (oil, pellets, solar, etc.)

Robust and proven

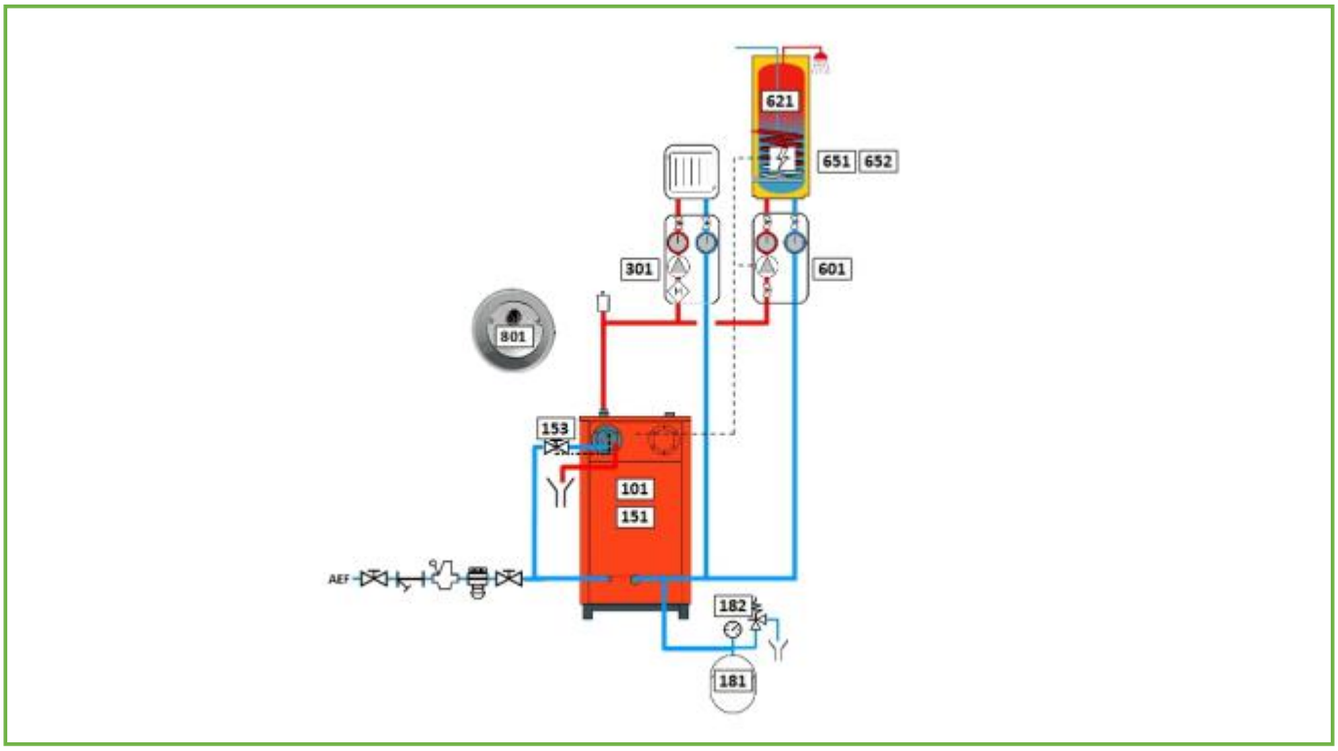
The dew point is avoided thanks to the refractory ceramic firebox — even without the use of a buffer tank.
More than 60,000 homes have been heated with PERGE MC wood boilers since 1974.

Our instructions as a manufacturer
The installation, commissioning, maintenance and use of our products are subject to various applicable standards and regulations, whether European, national or local. It is the responsibility of the professional to be aware of and comply with them, and we are not required to list them exhaustively.
However, we strongly urge professionals to pay particular attention to the following regulatory documents:
- DTU 24.1 – Heating engineering works – Flue systems serving one or more combustion appliances
EN 13384-1 – Chimneys – Thermal and aerodynamic calculation methods – Part 1: Flues serving a single combustion appliance

In additon to these standards and regulations, our specific technical requirements are as follows:
- Chimney draught must be between 13 and 18 Pa
- A thermal safety valve is mandatory

Original model	Designation	Ref	€ Excl. tax
MC 5.20 Classic (ex 902 000)	**MC 5.20 Classic boiler body** **MC 5.20 Classic casing**	**715 000** **902 028**	**4 480** **396**
MC 5.30 Classic (ex 902 001)	**MC 5.30 Classic boiler body** **MC 5.30 Classic casing**	**715 011** **902 031**	**4 880** **491**
MC 15.40 Classic (ex 902 002)	**MC 15.40 Classic boiler body** **MC 15.40 Classic casing**	**902 032** **902 033**	**5 790** **407**

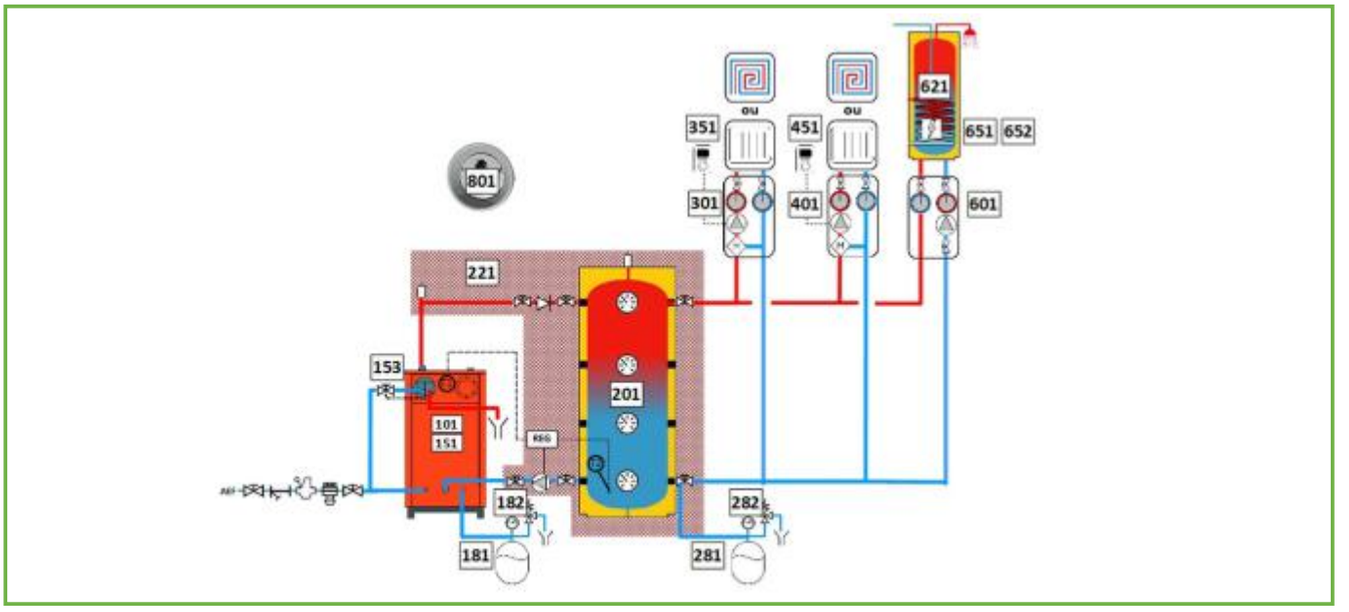
MC Classic log-burning boiler without buffer tank – MCL01



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
>	MC 15.40 Classic		**902 032**	**5 790**
151	**Casing selection based on chosen boiler body**			
>	MC 5.20 Classic casing	138	**902 028**	**396**
>	MC 5.30 Classic casing		**902 031**	**491**
>	MC 15.40 Classic casing		**902 033**	**407**
153	**Thermal safety valve**			
>	SST (for MC 15.40, use 2 SST valves)	142	**900 285**	**141**
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit No. 1**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
601	**If DHW required: Direct hydraulic module for DHW with biomass boiler**			
>	MHP BM	211	**900 486**	**524**
>	MHP BM-FM		**900 614**	**660**
621	**DHW cylinder selection based on capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
651	**If electric-mixed DHW tank: Immersion heater selection based on power and type of electrical supplya**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**
652	**Flange required if TR**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draught moderator**			
>	MT180 – 180 mm diameter	212	**900 467**	**247**

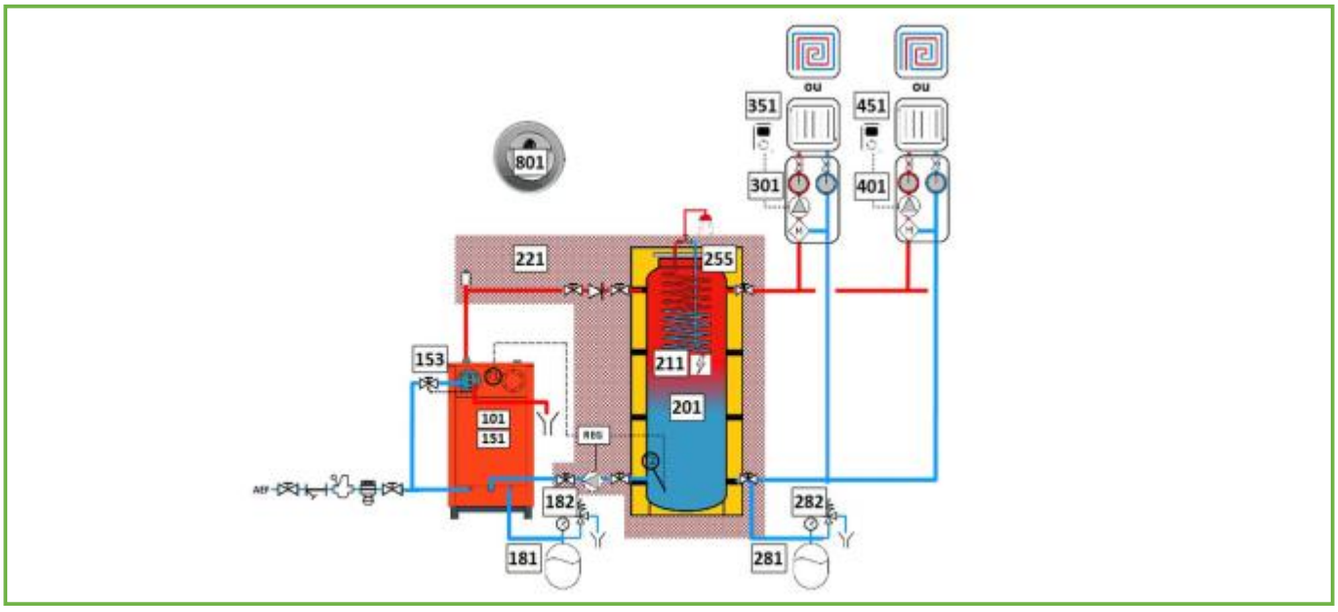
MC Classic log-burning boiler with buffer tank – MCB01



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
>	MC 15.40 Classic		**902 032**	**5 790**
151	**Casing selection based on the chosen boiler body**			
>	MC 5.20 Classic casing	138	**902 028**	**396**
>	MC 5.30 Classic casing		**902 031**	**491**
>	MC 15.40 Classic casing		**902 033**	**407**
153	**Thermal safety valve**			
>	SST (for MC 15.40, use 2 SST valves)	142	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Accessories for connecting MC boiler to buffer tank**			
>	MB accessories (1 buffer tank)	208	**900 400**	**1 259**
>	MB2 accessories (2 buffer tanks)		**900 405**	**1 304**
281	**Selection of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**

N°	Designation	Page	Ref	€ Excl. tax
351	**Heating circuit No. 1 – Wired or radio room thermostat**			
>	TH4-F Wired (if MHT)	212	**900 470**	**67**
>	TH4-R Radio (if MHT)		**900 471**	**175**
401	**Heating circuit no. 2 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Heating circuit No. 2 – Wired or radio room thermostat**			
>	TH4-F Wired (if MHT)	212	**900 470**	**67**
>	TH4-R Radio (if MHT)		**900 471**	**175**
601	**If DHW (domestic hot water) is required: Direct hydraulic module for DHW with biomass boiler**			
>	MHP BM	211	**900 486**	**524**
>	MHP BM-FM		**900 614**	**660**
621	**Select DHW cylinder according to required capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If electric-mixed DHW tank: Select immersion heater based on required power and electrical supply type**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**
652	**Flange required if TR immersion heater**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draught moderator**			
>	MT180 – 180 mm diameter	212	**900 467**	**247**

MC Classic log-burning boiler with mixed buffer tank – MCB02



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
>	MC 15.40 Classic		**902 032**	**5 790**
151	**Casing selection based on the chosen boiler body**			
>	MC 5.20 Classic casing	138	**902 028**	**396**
>	MC 5.30 Classic casing		**902 031**	**491**
>	MC 15.40 Classic casing		**902 033**	**407**
153	**Thermal safety valve**			
>	SST (for MC 15.40, use 2 SST valves)	142	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
	Removable copper DHW coil			
>	BTM-SC 500	206	**900 580**	**2 536**
>	BTM-SC 800		**900 581**	**2 987**
>	BTM-SC 1000		**900 582**	**3 109**
>	BTM-SC 1500		**900 583**	**4 408**
>	BTM-SC 2000		**900 587**	**5 998**
	Stainless steel DHW coil			
>	BTM-SI 800	206	**900 309**	**2 987**
>	BTM-SI 1000		**900 310**	**3 109**
>	BTM-SI 1500		**900 316**	**4 408**
211	**Immersion heater selection based on power and type of electrical supply**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 tri - 6,0 kW		**900 449**	**559**

N°	Designation	Page	Ref	€ Excl. tax
221	**Accessories for connecting MC boiler to buffer tank**			
>	MB accessories (1 buffer tank)	208	**900 400**	**1 259**
>	MB2 accessories (2 buffer tanks)		**900 405**	**1 304**
255	**Domestic hot water thermostatic mixing valve**			
>	1/2" F thermostatic mixing valve, 30–70°C	207	**990 713**	**106**
281	**Selection of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Heating circuit No. 1 – Wired or radio room thermostat**			
>	TH4-F Wired (if MHT)	212	**900 470**	**67**
>	TH4-R Radio (if MHT)		**900 471**	**175**
401	**Heating circuit No. 2 – Hydraulic module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Heating circuit No. 2 – Wired or radio room thermostat**			
>	TH4-F Wired (if MHT)	212	**900 470**	**67**
>	TH4-R Radio (if MHT)		**900 471**	**175**
801	**Draught moderator**			
>	MT180 – 180 mm diameter	212	**900 467**	**247**

Mandatory equipment

Designation	Description	Ref	€ Excl. tax
SST	Thermal safety valve to prevent boiler overheating. It must be connected to the anti-boiling exchanger in installations with a closed expansion vessel.	**900 285**	**141**
MT180	Draught moderator – 180 mm diameter	**900 467**	**247**
MHM **MHM-FM**	Manual mixing hydraulic module Manual mixing hydraulic module with magnetic filter	**900 421** **900 495**	**531** **642**

Optional specific equipment

Designation	Description	Ref	€ Excl. tax
THF	Smoke thermostat enabling automatic operation of an MC boiler with an oil boiler in a single chimney flue. Chimney installation must comply with wood boiler regulations.	**900 016** (A)	**150**
MC–Optitherm coupling kit	Allows automatic operation of an MC boiler with a PERGE Optitherm oil boiler in a single chimney flue.	**900 112** (A)	**608**
MC–Oil coupling kit	Allows automatic operation of an MC boiler with any oil boiler in a single chimney flue.	**900 113** (A)	**748**
2-input / 1-output controller	Differential controller with 2 inputs and 1 output*	**900 607**	**380**
4-input / 2-output controller	Differential controller with 4 inputs and 2 outputs*	**900 608**	**436**
MC DHW kit	DHW priority kit for MC boiler including: 1 circulator, 1 boiler thermostat, 1 DHW thermostat, and shut-off valves	**900 609**	**406**

** Supplied with temperature sensors*

Optional standard accessories

Description	More information, page...
Hydraulic modules	**210**
Room thermostat	**212**
Expansion vessel and safety valve	**211**
Buffer tanks (heating, mixed, with solar coil)	**206**

Optional standard accessories

Description	More information, page...
Accessory kits for buffer tank equipment	**208**
Domestic hot water cylinders	**209**
Electric back-up heaters	**209**

Other available parts – MC Classic

Designation	Ref	€ Excl. tax
Upper exchanger – MC Lower exchanger – MC 5.20 Lower exchanger – MC 5.30	**990 146** **990 144** **990 145**	**1 541** **2 021** **2 508**
Cast iron grate – 5.20 / 5.30 Grate – 15 / 40	**990 576** **990 157**	**233** **280**

Other available parts – MC Classic

Designation	Ref	€ Excl. tax
Loading door – MC 5.20 / 5.30 Ashtray door – MC 5.20 / 5.30	**990 187** **990 186**	**279** **216**
Draught regulator MC thermometer Anti-boilingexchanger	**990 201** **991 096** **990 143**	**129** **42** **364**

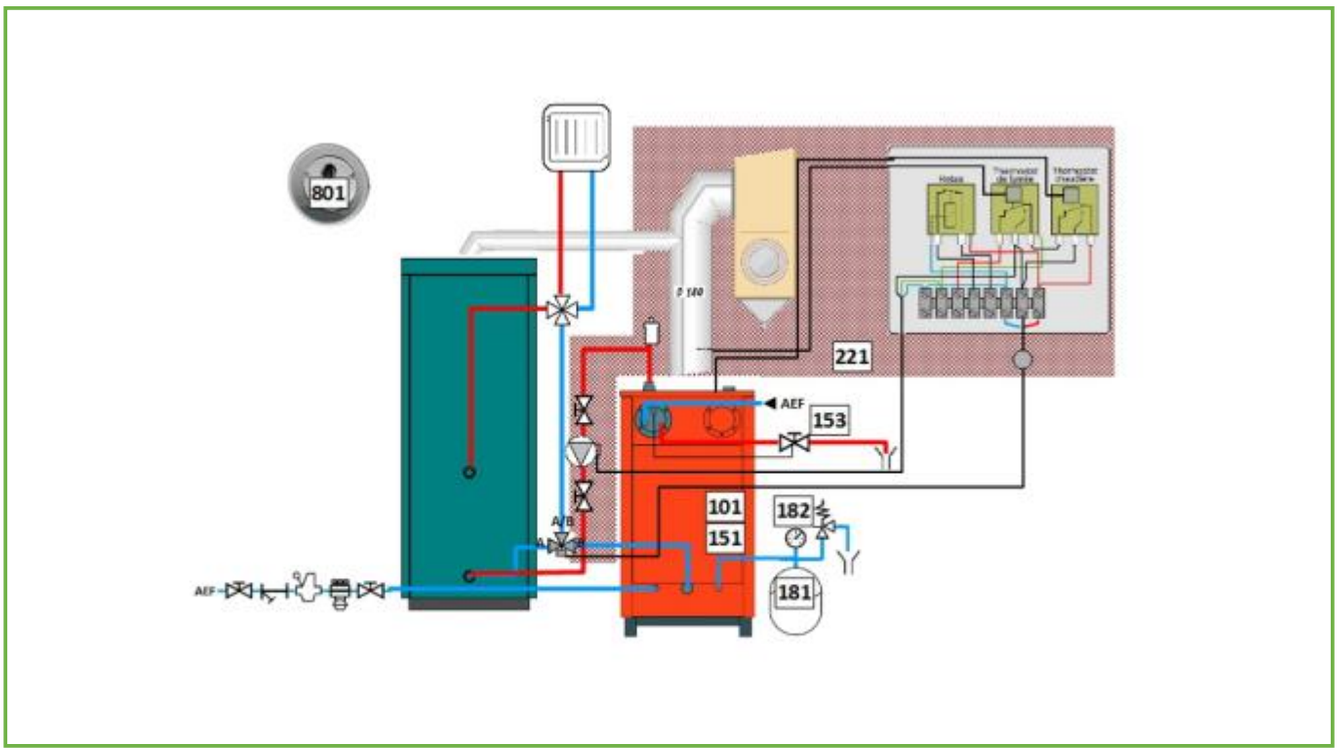
Technical and dimensional specifications – MC Classic

Designation	MC 5.20 Classic	MC 5.30 Classic	MC 15.40 Classic
Approved fuel	Firewood logs	Firewood logs	Firewood logs
Log length (cm)	50	50	50
Output (kW)	20	30	40
Maximum operating pressure (bar)	3	3	3
Boiler dimensions (W x D x H) (mm)	574 x 852 x 1054	574 x 852 x 1300	640 x 907 x 1400
Firebox dimensions (W x D x H) (mm)	360 x 560 x 670	360 x 560 x 750	394 x 660 x 717
Loading door dimensions (W x H) (mm)	308 x 308	308 x 308	484 x 409
Clearance required for door opening (mm)	420	420	550
Water capacity (L)	49	59	85
Heating flow / return diameter	40 / 49 F	40 / 49 F	40 / 49 F
Efficiency (%)	70	70	70
Flue gas mass flow at max output (g/s)	21,54	31,31	43,83
Required chimney draught (Pa)	13 to 18	13 to 18	13 to 18
Flue gas temperature at max output (°C)	270	270	270
CO_2 level at max output (%)	9,0	9,0	9,0
Flue outlet diameter (mm)	180	180	180
Weight (kg)	330	370	530
Number of packages	2	2	2

Costing Assistance – MC Classic Couplings – Table of Contents

Possible couplings

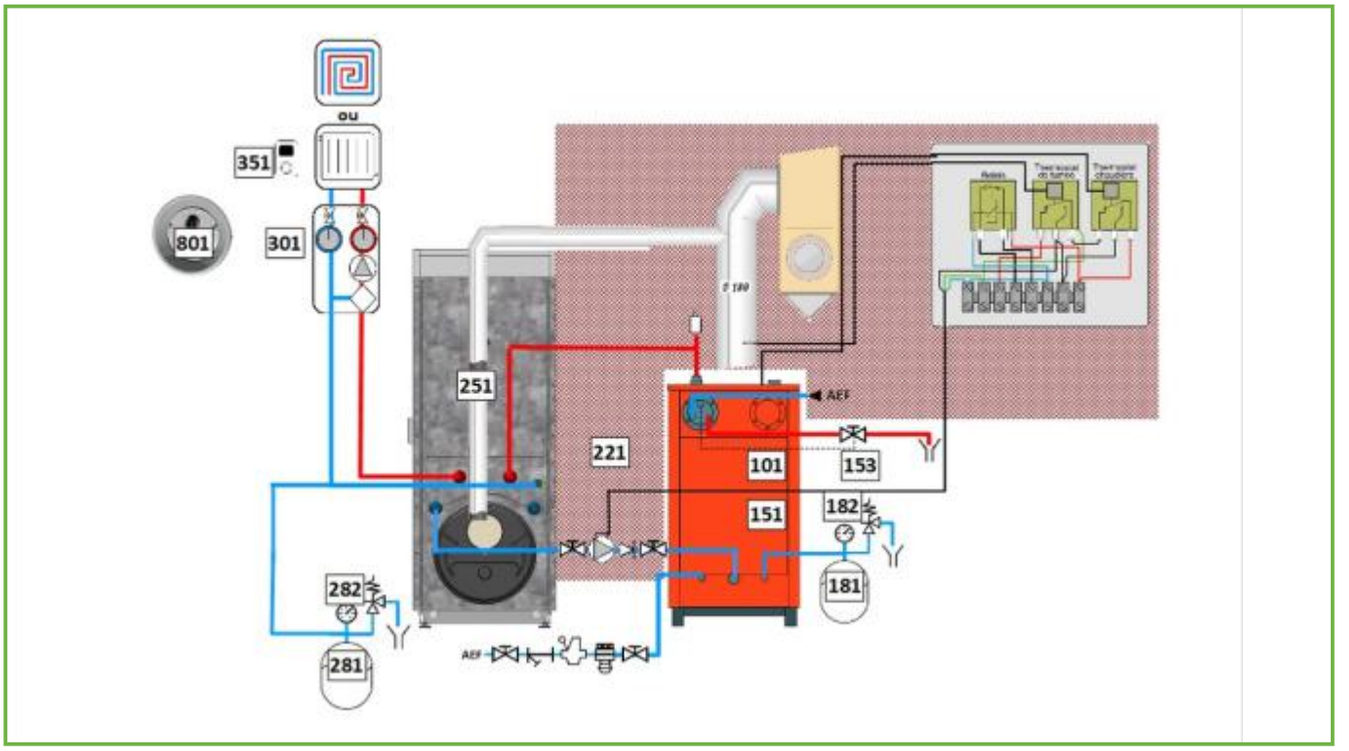
MC Classic coupled with an oil boiler – CMC03



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Jacket selection based on the chosen boiler body**			
>	MC 5.20 Classic jacket	138	**902 028**	**396**
>	MC 5.30 Classic jacket		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**

N°	Designation	Page	Ref	€ Excl. tax
182	**Selection of safety device**			
>	PSRV bracket (for expansion vessel	211	**900 404**	**23**
>	up to 35 litres)/PSRV bracket		**900 564**	**97**
221	**Coupling kit**			
>	MC–fuel coupling kit	142	**900 113**	**748**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

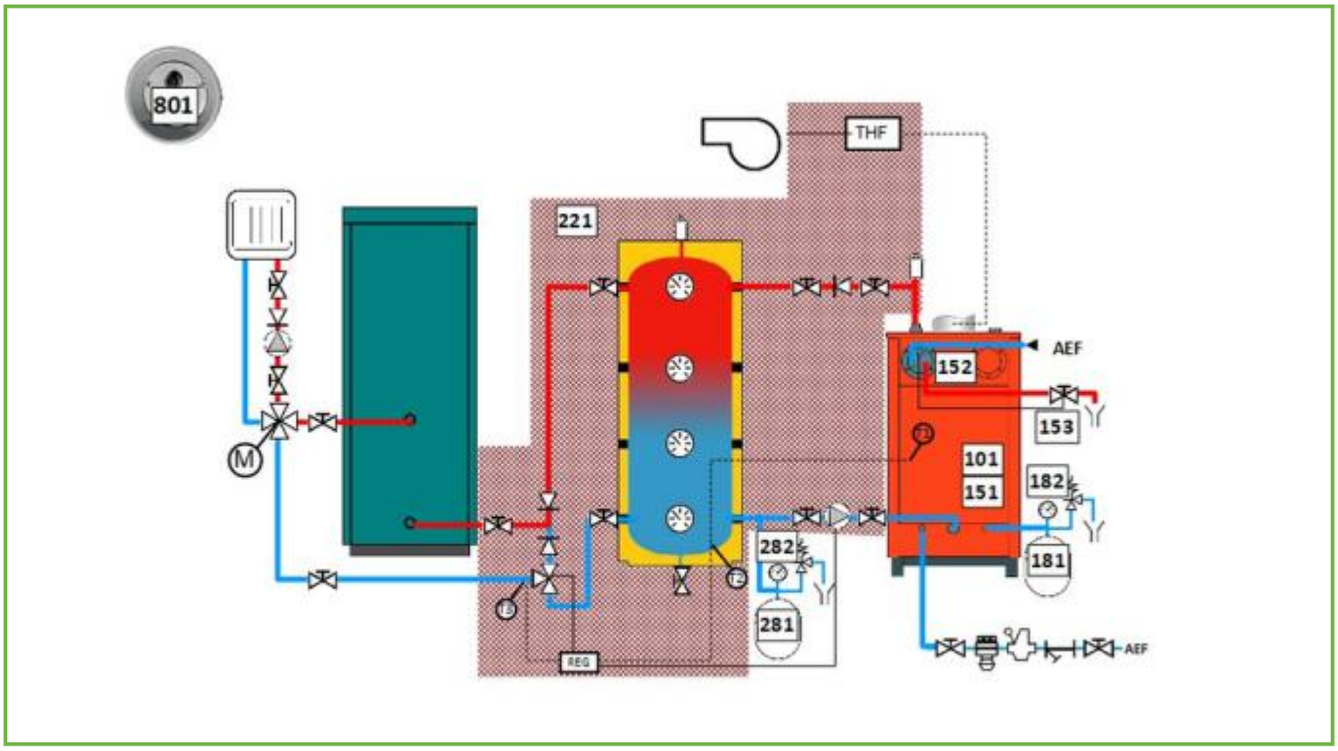
MC Classic coupled with an Optitherm – CMC01



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection based on the chosen boiler body**			
>	MC 5.20 Classic casing	138	**902 028**	**396**
>	MC 5.30 Classic casing		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Selection of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
221	**Coupling kit**			
>	MC–CDM coupling kit	142	**900 112**	**608**
251	**Backup boiler model selection based on output and DHW production**			
	Bio-oil–Chimney version			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
>	Optitherm 24 B90-F30		**916 012**	**5 190**
>	Optitherm 24 B150-F30		**916 013**	**5 590**
>	Optitherm 32 B150-F30		**916 014**	**6 090**

N°	Designation	Page	Ref	€ Excl. tax
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
351	**Wired or radio room thermostat with control action on the backup boiler burner**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

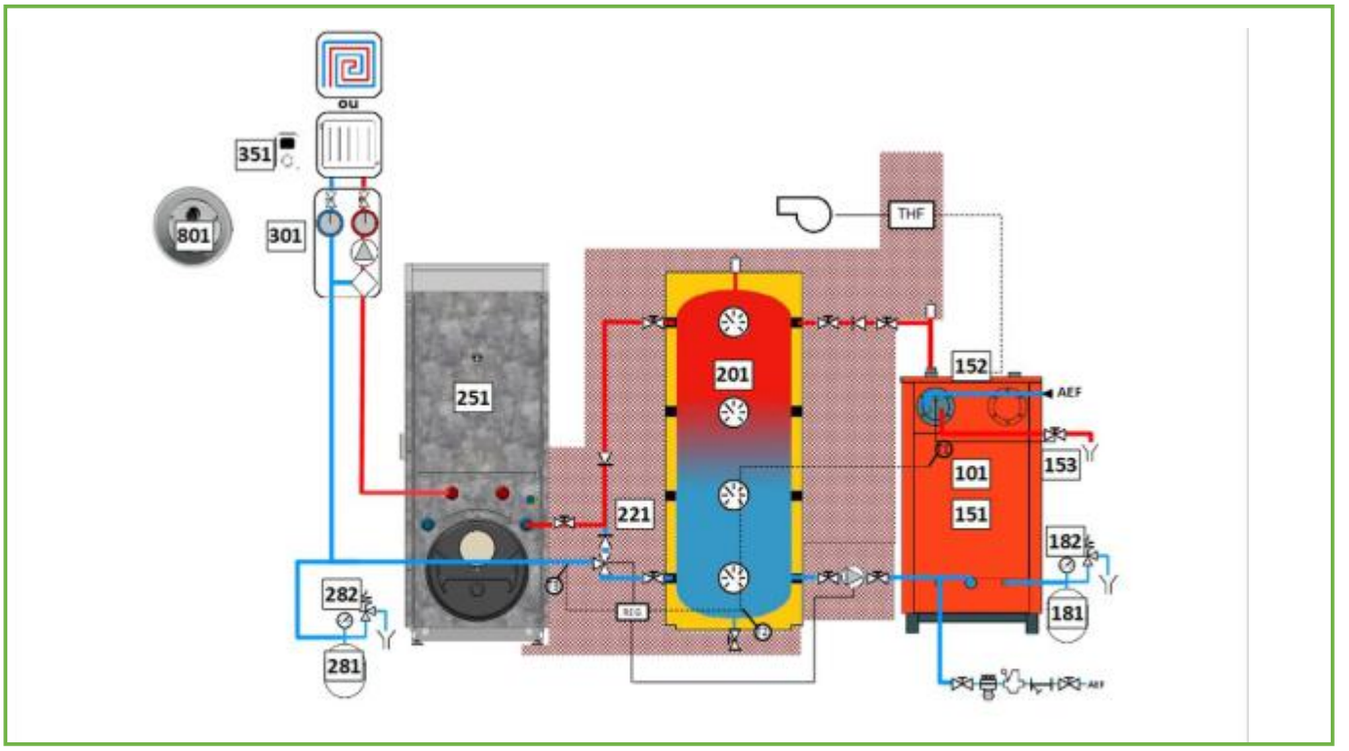
MC with buffer tank coupled with an oil boiler – CMC04



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
>	MC 5.20 CI		**902 014**	**4 580**
>	MC 5.30 CI PF		**902 019**	**5 150**
>	MC 5.30 CI GF		**902 017**	**5 380**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20 Classic	138	**902 028**	**396**
>	Casing MC 5.30 Classic		**902 031**	**491**
>	Casing MC 5.20, 5.30 CI PF		**902 015**	**492**
>	Casing MC 5.30 CI GF		**902 018**	**530**
152	**CI flue outlet**			
>	CI flue outlet 180 M	154	**902 016**	**126**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**

N°	Designation	Page	Ref	€ Excl. tax
221	**Accessories for connecting MC boiler to buffer tank**			
>	MBF1C accessories – single flue	208	**900 401**	**1 566**
>	MBF2C accessories – dual flue		**900 402**	**1 443**
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
801	**Draught stabilizer**			
>	MT180, diameter 180 mm	212	**900 467**	**247**

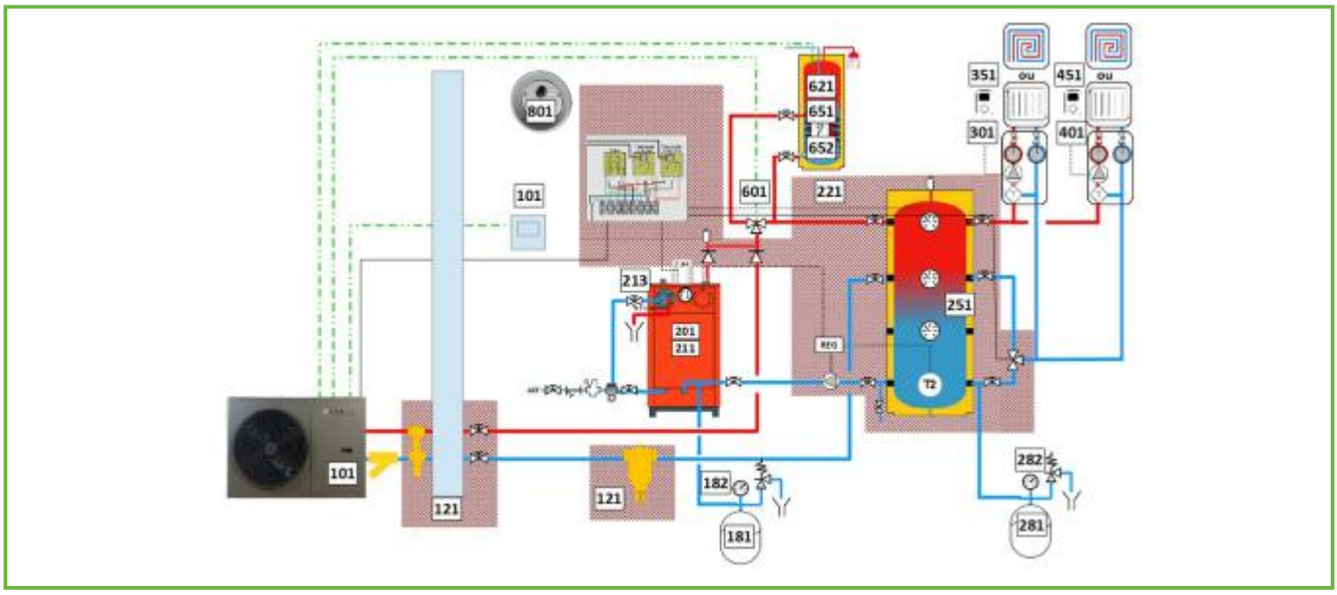
MC Classic with buffer tank coupled with an Optitherm – CMC02



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
>	MC 5.20 CI		**902 014**	**4 580**
>	MC 5.30 CI PF		**902 019**	**5 150**
>	MC 5.30 CI GF		**902 017**	**5 380**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20 Classic	138	**902 028**	**396**
>	Casing MC 5.30 Classic		**902 031**	**491**
>	Casing MC 5.20, 5.30 CI PF		**902 015**	**492**
>	Casing MC 5.30 CI GF		**902 018**	**530**
152	**CI flue outlet**			
>	CI flue outlet 180 M	154	**902 016**	**126**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Accessories for connecting MC boiler to buffer tank**			
>	MBF1C accessories – single flue	208	**900 401**	**1 566**
>	MBF2C accessories – dual flue		**900 402**	**1 443**

N°	Designation	Page	Ref	€ Excl. tax
251	**Backup boiler model selection based on output and DHW production**			
	Bio-oil – Chimney version			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
>	Optitherm 24 B90-F30		**916 012**	**5 190**
>	Optitherm 24 B150-F30		**916 013**	**5 590**
>	Optitherm 32 B150-F30		**916 014**	**6 090**
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Heating circuit No. 1 – Wired or radio room thermostat**			
>	TH4-F Wired (if MHT)	212	**900 470**	**67**
>	TH4-R Radio (if MHT)		**900 471**	**175**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

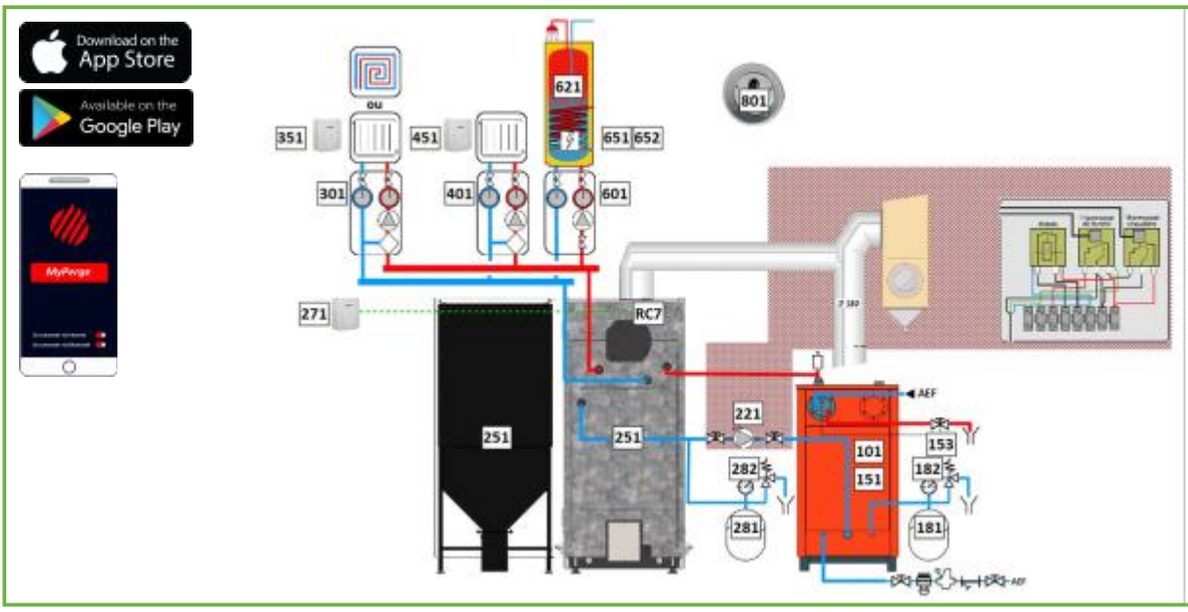
MC Classic coupled with an OptiPac MR32 heat pump – OPP41



N°	Designation	Page	Ref	€ Excl. tax
101	**Heat pump model selection based on required output**			
>	OptiPac MR32 4 single-phase -R	20	**920 020**	**3 690**
>	OptiPac MR32 6 single-phase -R		**920 021**	**3 990**
>	OptiPac MR32 8 single-phase -R		**920 022**	**4 390**
>	OptiPac MR32 10 single-phase -R		**920 023**	**4 990**
>	OptiPac MR32 12 single-phase -R		**920 024**	**5 790**
>	OptiPac MR32 14 single-phase -R		**920 025**	**6 690**
>	OptiPac MR32 16 single-phase -R		**920 026**	**6 990**
>	OptiPac MR32 12 three-phase -R		**920 027**	**6 390**
>	OptiPac MR32 14 three-phase -R		**920 028**	**7 290**
>	OptiPac MR32 16 three-phase -R		**920 029**	**7 790**
121	**UE protection kit (mandatory)**			
>	UE protection kit	20	**900 639**	**495**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
>	MC 15.40 Classic		**902 032**	**5 790**
211	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20 Classic	138	**902 028**	**396**
>	Casing MC 5.30 Classic		**902 031**	**491**
>	Casing MC 15.40 Classic		**902 033**	**407**
213	**Thermal safety valve**			
>	SST (for MC 15.40, use 2 SST valves)	142	**900 285**	**141**
221	**Accessories for connection to the buffer tank**			
>	MBP	208	**900 661**	**1 543**
251	**Buffertankselection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**

N°	Designation	Page	Ref	€ Excl. tax
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 20/45		**900 476**	**626**
>	MHE		**900 611**	**985**
351	**Heating circuit No. 1 – Wired or radio room thermostat**			
>	TH4-F Wired (if MHT)	212	**900 470**	**67**
>	TH4-R Radio (if MHT)		**900 471**	**175**
401	**Heating circuit no. 2 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 20/45		**900 476**	**626**
>	MHE		**900 611**	**985**
451	**Heating circuit No. 2 – Wired or radio room thermostat**			
>	TH4-F Wired (if MHT)	212	**900 470**	**67**
>	TH4-R Radio (if MHT)		**900 471**	**175**
601	**Zone valve (mandatory)**			
>	Zone valve with auto return	20	**990 839**	**164**
621	**DHW cylinder selection based on required capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If electric-mixed DHW tank: Select immersion heater based on required power and type of electrical supply**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**
652	**Flange required if TR immersion heater**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draughtmoderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

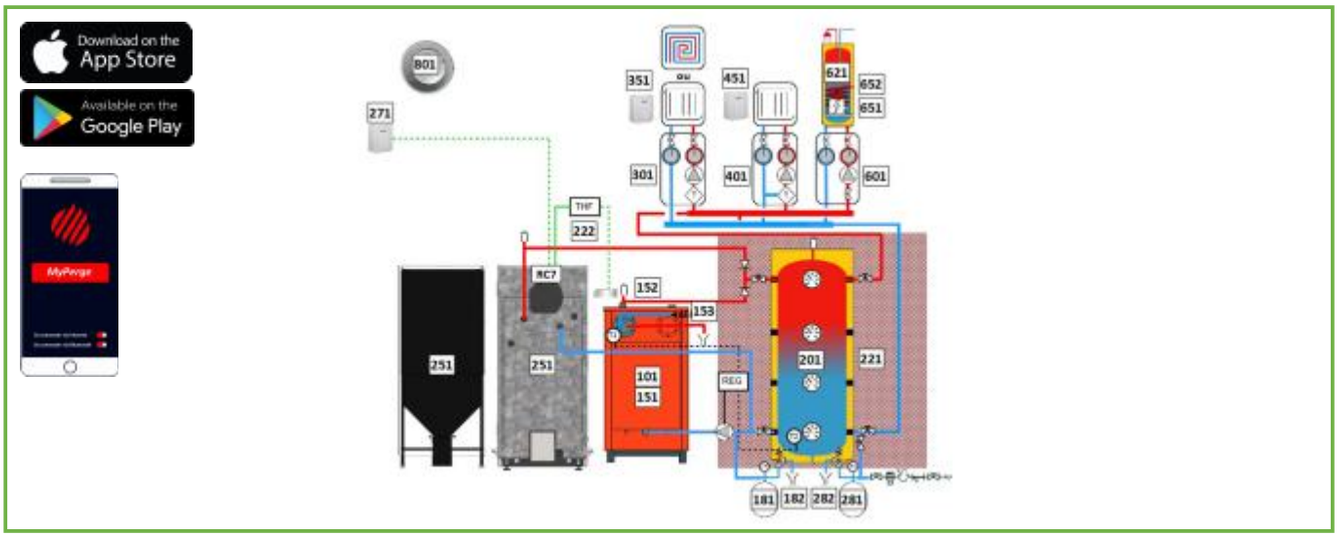
MC Classic coupled with an OptiPellet Connect + MiniSilo – CMC11



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20 Classic	138	**902 028**	**396**
>	Casing MC 5.30 Classic		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
221	**Coupling kit**			
>	MC–CDM coupling kit	142	**900 112**	**608**
251	**Boiler model selection based on desired output**			
>	OptiPellet 12 C-DRC7 SS + MiniSilo	107	**902 880**	**9 780**
>	OptiPellet 17 C-DRC7 SS + MiniSilo		**902 881**	**9 980**
>	OptiPellet 23 C-DRC7 SS + MiniSilo		**902 882**	**10 480**
>	OptiPellet 33 C-DRC7 SS + MiniSilo		**902 883**	**10 980**
>	OptiPellet 45 C-DRC7 SS + MiniSilo		**902 884**	**11 980**
271	**Mandatory selection of outdoor sensor type**			
>	C+ - F outdoor sensor	107	**900 600**	**60**
>	C+ - R outdoor/indoor sensor		**900 601**	**115**
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit no. 1 MHR module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
351	**Mandatory selection of room sensor type for Circuit 1**			
>	C+ - R outdoor/indoor sensor	107	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
401	**Heating circuit No. 2 – Hydraulic module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
451	**Mandatory selection of room sensor type for Circuit 2**			
>	C+ - R outdoor/indoor sensor	107	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
601	**If DHW is required: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7-FM		**900 613**	**588**
621	**DHW cylinder selection based on required capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If electric-mixed DHW tank: select immersion heater based on power and type of electrical supply**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**
652	**Flange required if TR immersion heater**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draughtmoderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

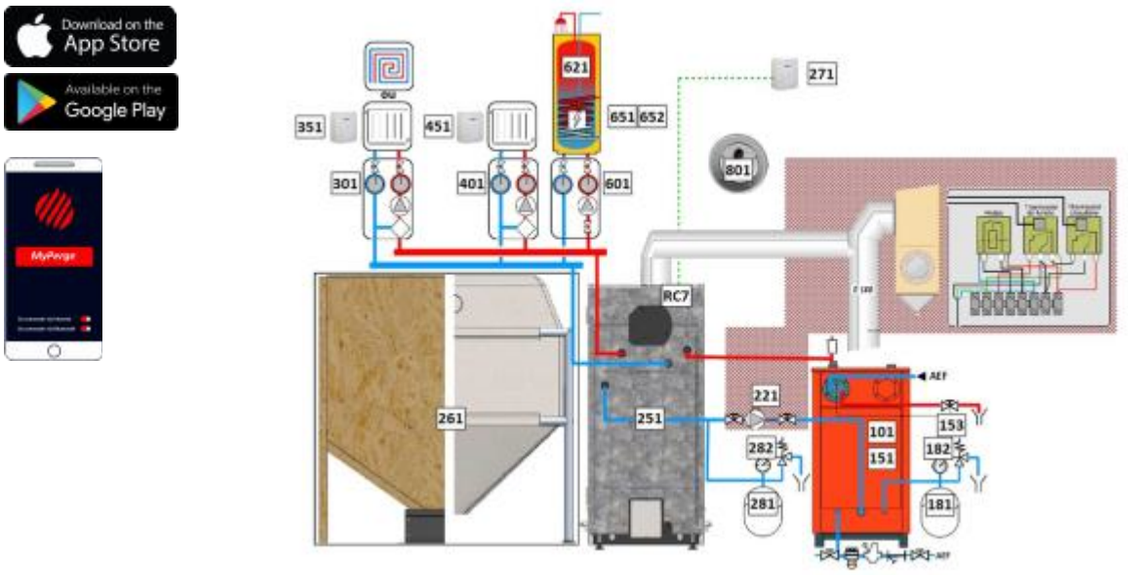
MC with buffer tank coupled with an OptiPellet Connect + MiniSilo – CMC31



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20 Classic	138	**902 028**	**396**
>	Casing MC 5.30 Classic		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Coupling kit**			
>	MB	208	**900 400**	**1 259**
>	M2B		**900 405**	**1 304**
222	**Smoke thermostat**			
>	THF	142	**900 016**	**150**
251	**Boiler model selection based on desired output**			
>	OptiPellet 12 C-DRC7 Connect + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 Connect + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 Connect + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 Connect + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 Connect + MiniSilo		**902 854**	**12 180**
271	**Mandatory selection of outdoor sensor type**			
>	C+ - F outdoor sensor	107	**900 600**	**60**
>	C+ - R outdoor/indoor sensor		**900 601**	**115**
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory selection of room sensor type for Circuit 1**			
>	C+ - R outdoor/indoor sensor	107	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
401	**Heating circuit No. 2 – Hydraulic module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory selection of room sensor type for Circuit 2**			
>	C+ - R outdoor/indoor sensor	107	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
601	**If DHW is required: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7-FM		**900 613**	**588**
621	**DHW cylinder selection based on required capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If electric-mixed DHW tank: select immersion heater based on power and type of electrical supply**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**
652	**Flange required if TR immersion heater**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

MC Classic coupled with an OptiPellet Connect + screw-feed silo – CMC15



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20 Classic	138	**902 028**	**396**
>	Casing MC 5.30 Classic		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
221	**Coupling kit**			
>	MC–CDM coupling kit	142	**900 112**	**608**
251	**Boiler model selection based on desired output**			
>	OptiPellet 12 C-DRC7 Connect SSC	107	**902 830**	**8 790**
>	OptiPellet 17 C-DRC7 Connect SSC		**902 831**	**8 990**
>	OptiPellet 23 C-DRC7 Connect SSC		**902 832**	**9 490**
>	OptiPellet 33 C-DRC7 Connect SSC		**902 833**	**9 790**
>	OptiPellet 45 C-DRC7 Connect SSC		**902 834**	**10 790**
261	**Silo type selection (Build-on-site silo or fabric silo)**			
>	SilBat + VTC10	115	**902 680**	**2 690**
>	SilBat + VTC15		**902 681**	**2 880**
>	SilBat + VTC20		**902 682**	**2 990**
>	SilBat + VTC25		**902 683**	**3 180**
>	SilBat + VTC30		**902 684**	**3 280**
>	SilTex 200x200 + VTA	114	**902 690**	**4 890**
>	SilTex 200x250 + VTA		**902 775**	**5 070**
>	SilTex 250x250 + VTA		**902 691**	**5 450**
>	SilTex 250x300 + VTA		**902 776**	**5 670**
>	SilTex 300x300 + VTA		**902 692**	**6 150**
271	**Mandatory selection of outdoor sensor type**			
>	C+ - F outdoor sensor	107	**900 600**	**60**
>	C+ - R outdoor/indoor sensor		**900 601**	**115**
281	**Expansion vessel selection based on capacity**			
>	18-litre expansion vessel	211	**900 370**	**55**
>	24-litre expansion vessel		**900 365**	**65**
>	35-litre expansion vessel		**900 366**	**109**
>	50-litre expansion vessel		**900 367**	**129**

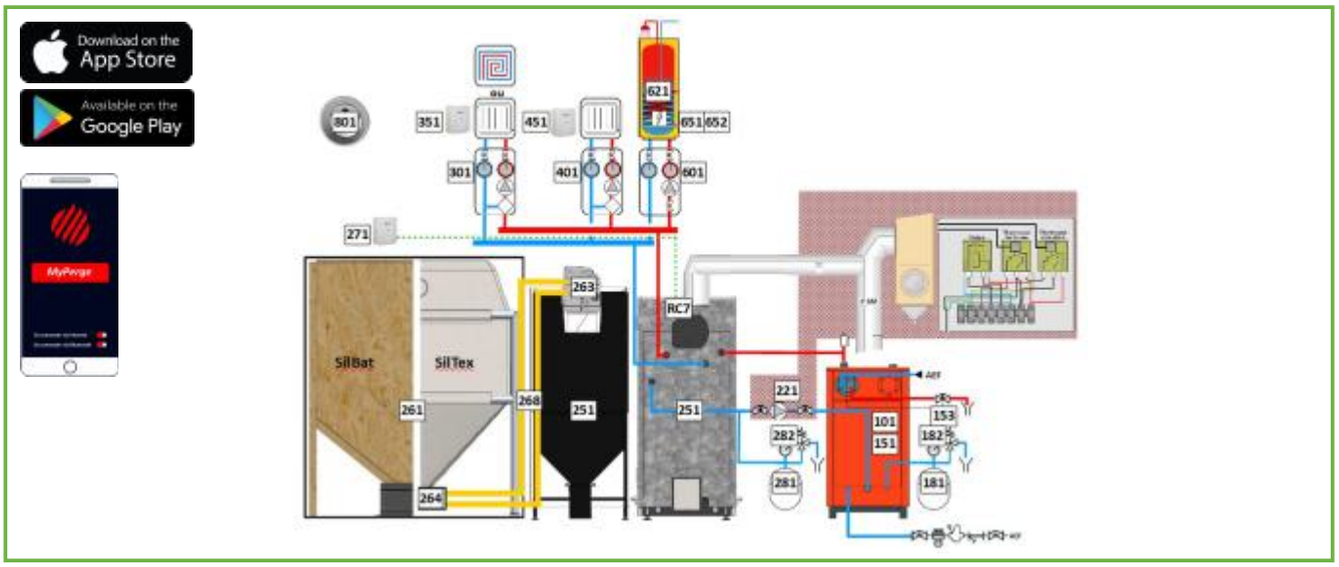
N°	Designation	Page	Ref	€ Excl. tax
282	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
351	**Mandatory selection of room sensor type for Circuit 1**			
>	C+ - R outdoor/indoor sensor	107	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
401	**Heating circuit No. 2 – Hydraulic module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
451	**Mandatory selection of room sensor type for Circuit 2**			
>	C+ - R outdoor/indoor sensor	107	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
601	**If DHW is required: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP-FM		**900 613**	**588**
621	**DHW cylinder selection based on required capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If electric-mixed DHW tank: select immersion heater based on power and type of electrical supply**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**
652	**Flange required if TR immersion heater**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

MC with buffer tank coupled with an OptiPellet Connect + screw-feed silo – CMC35

N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20 Classic	138	**902 028**	**396**
>	Casing MC 5.30 Classic		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Coupling kit**			
>	MB	208	**900 400**	**1 259**
>	MB2		**900 405**	**1 304**
222	**Smoke thermostat**			
>	THF	142	**900 016**	**150**
251	**Boiler model selection based on desired output**			
>	OptiPellet 12 C-DRC7 Connect	106	**902 800**	**8 990**
>	OptiPellet 17 C-DRC7 Connect		**902 801**	**9 190**
>	OptiPellet 23 C-DRC7 Connect		**902 802**	**9 690**
>	OptiPellet 33 C-DRC7 Connect		**902 803**	**9 990**
>	OptiPellet 45 C-DRC7 Connect		**902 804**	**10 990**
261	**Silo type selection (Build-on-site silo or fabric silo)**			
>	SilBat + VTC10	115	**902 680**	**2 690**
>	SilBat + VTC15		**902 681**	**2 880**
>	SilBat + VTC20		**902 682**	**2 990**
>	SilBat + VTC25		**902 683**	**3 180**
>	SilBat + VTC30		**902 684**	**3 280**
>	SilTex 200x200 + VTA	114	**902 690**	**4 890**
>	SilTex 200x250 + VTA		**902 775**	**5 070**
>	SilTex 250x250 + VTA		**902 691**	**5 450**
>	SilTex 250x300 + VTA		**902 776**	**5 670**
>	SilTex 300x300 + VTA		**902 692**	**6 150**
271	**Mandatory selection of outdoor sensor type**			
>	C+ - F outdoor sensor	106	**900 600**	**60**
>	C+ - R outdoor/indoor sensor		**900 601**	**115**
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**

N°	Designation	Page	Ref	€ Excl. tax
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory selection of room sensor type for Circuit 1**			
>	C+ - R outdoor/indoor sensor	106	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
401	**Heating circuit No. 2 – Hydraulic module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory selection of room sensor type for Circuit 2**			
>	C+ - R outdoor/indoor sensor	106	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
601	**If DHW is required: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7-FM		**900 613**	**588**
621	**DHW cylinder selection based on required capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If electric-mixed DHW tank: select immersion heater based on power and type of electrical supply**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**
652	**Flange required if TR immersion heater**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

MC Classic coupled with an OptiPellet Connect and suction-fed silo – CMC16



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20 Classic	138	**902 028**	**396**
>	Casing MC 5.30 Classic		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
221	**Coupling kit**			
>	MC–CDM coupling kit	140	**900 112**	**608**
251	**Boiler model selection based on desired output**			
>	OptiPellet 12 C-DRC7 SS + MiniSilo	107	**902 880**	**9 780**
>	OptiPellet 17 C-DRC7 SS + MiniSilo		**902 881**	**9 980**
>	OptiPellet 23 C-DRC7 SS + MiniSilo		**902 882**	**10 480**
>	OptiPellet 33 C-DRC7 SS + MiniSilo		**902 883**	**10 980**
>	OptiPellet 45 C-DRC7 SS + MiniSilo		**902 884**	**11 980**
261	**Silo type selection (Build-on-site silo or fabric silo)**			
>	SilBat 10 Aspi	115	**902 700**	**1 990**
>	SilBat 15 Aspi		**902 701**	**2 190**
>	SilBat 20 Aspi		**902 702**	**2 290**
>	SilBat 25 Aspi		**902 703**	**2 490**
>	SilBat 30 Aspi		**902 704**	**2 590**
>	SilTex 200x200		**902 676**	**3 130**
>	SilTex 200x250		**902 770**	**3 310**
>	SilTex 250x250	114	**902 677**	**3 690**
>	SilTex 250x300		**902 771**	**3 910**
>	SilTex 300x300		**902 678**	**4 390**
263	**Vacuum unit selection (single-block or twin-block)** **Note: In the case of SilTex, don't forget the mandatory additional component**			
>	Single-block vacuum unit	114	**902 821**	**1 055**
>	Twin-block vacuum unit		**902 827**	**1 593**
264	**Mandatory additional component for SilTex silo**			
>	For twin-pipe vacuum system	114	**902 823**	**408**
>	For single-pipe vacuum system		**902 824**	**700**
268	**Vacuum piping**			
>	Vacuum piping – 20 m coil	114	**902 698**	**445**
271	**Mandatory selection of outdoor sensor type**			
>	C+ - F outdoor sensor	107	**900 600**	**60**
>	C+ - R outdoor/indoor sensor		**900 601**	**115**

N°	Designation	Page	Ref	€ Excl. tax
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
351	**Mandatory selection of room sensor type for Circuit 1**			
>	C+ - R outdoor/indoor sensor	107	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
401	**Heating circuit No. 2 – Hydraulic module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
451	**Mandatory selection of room sensor type for Circuit 2**			
>	C+ - R outdoor/indoor sensor	107	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
601	**If DHW is required: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7-FM		**900 613**	**588**
621	**DHW cylinder selection based on required capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If electric-mixed DHW tank: select immersion heater based on power and type of electrical supply**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**
652	**Flange required if TR immersion heater**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

MC with buffer tank coupled with an OptiPellet Connect with vacuum-feed silo – CMC36

N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20 Classic	138	**902 028**	**396**
>	Casing MC 5.30 Classic		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Coupling kit**			
>	MB	208	**900 400**	**1 259**
>	M2B		**900 405**	**1 304**
222	**Smoke thermostat**			
>	THF	142	**900 016**	**150**
251	**Boiler model selection based on desired output**			
>	OptiPellet 12 C-DRC7 Connect + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 Connect + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 Connect + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 Connect + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 Connect + MiniSilo		**902 854**	**12 180**
261	**Silo type selection (Build-on-site silo or fabric silo)**			
>	SilBat 10 Aspi	115	**902 700**	**1 990**
>	SilBat 15 Aspi		**902 701**	**2 190**
>	SilBat 20 Aspi		**902 702**	**2 290**
>	SilBat 25 Aspi		**902 703**	**2 490**
>	SilBat 30 Aspi		**902 704**	**2 590**
>	SilTex 200x200		**902 676**	**3 130**
>	SilTex 200x250	114	**902 770**	**3 310**
>	SilTex 250x250		**902 677**	**3 690**
>	SilTex 250x300		**902 771**	**3 910**
>	SilTex 300x300		**902 678**	**4 390**
263	**Vacuum unit selection (single-block or twin-block)** **Note: In the case of SilTex, don't forget the mandatory additional component**			
>	Single-block vacuum unit	114	**902 821**	**1 055**
>	Twin-block vacuum unit		**902 827**	**1 593**
264	**Mandatory additional component if using SilTex silo**			
>	For twin-pipe vacuum system	114	**902 823**	**408**
>	For single-pipe vacuum system		**902 824**	**700**
268	**Vacuum piping**			
>	Vacuum piping – 20 m coil	114	**902 698**	**445**
271	**Mandatory selection of outdoor sensor type**			
>	C+ - F outdoor sensor	107	**900 600**	**60**
>	C+ - R outdoor/indoor sensor		**900 601**	**115**

N°	Designation	Page	Ref	€ Excl. tax
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory selection of room sensor type for Circuit 1**			
>	C+ - R outdoor/indoor sensor	107	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
401	**Heating circuit No. 2 – Hydraulic module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory selection of room sensor type for Circuit 2**			
>	C+ - R outdoor/indoor sensor	107	**900 601**	**115**
>	C+ - F indoor sensor		**900 602**	**60**
>	Wired room sensor with dial		**900 604**	**80**
>	Wireless room sensor with dial		**900 605**	**138**
601	**If DHW is required: Direct hydraulic module for DHW with biomass boiler**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7-FM		**900 613**	**588**
621	**DHW cylinder selection based on required capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If electric-mixed DHW tank: select immersion heater based on power and type of electrical supply**			
>	TR30 single-phase - 3,0 kW	209	**900 301**	**419**
>	TR45 single-phase - 4,5 kW		**900 446**	**427**
>	TR60 single-phase - 6,0 kW		**900 447**	**773**
>	TR30 three-phase - 3,0 kW		**900 555**	**490**
>	TR45 three-phase - 4,5 kW		**900 448**	**543**
>	TR60 three-phase - 6,0 kW		**900 449**	**559**
652	**Flange required if TR immersion heater**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

Natural draught log-burning boilers with buffer tank

MC CI

- **20 and 30 kW**
- **Repairability**
- **Heating only or heating + DHW production via integrated stainless steel tank**
- **Factory-fitted anti-boiling exchanger**
- **Natural draught**

Repairability at the service of our customers

With over 60,000 boilers installed, the MC series offers every guarantee of durability and reliability.
As part of our long-term maintenance and operational sustainability policy, we ensure spare parts availability for units sold since 1985.

Simple and compact

PERGE MC CI boilers do not require electricity to operate.
Boiler temperature control and overheat protection are ensured by thermostatic components that work under all circumstances.
The anti-boiling exchanger is factory-fitted.
The integrated stainless steel DHW tank is mounted on top of the boiler, saving valuable space.

Can be combined with another energy source (oil, pellets, solar, etc.).

Robust and powerful

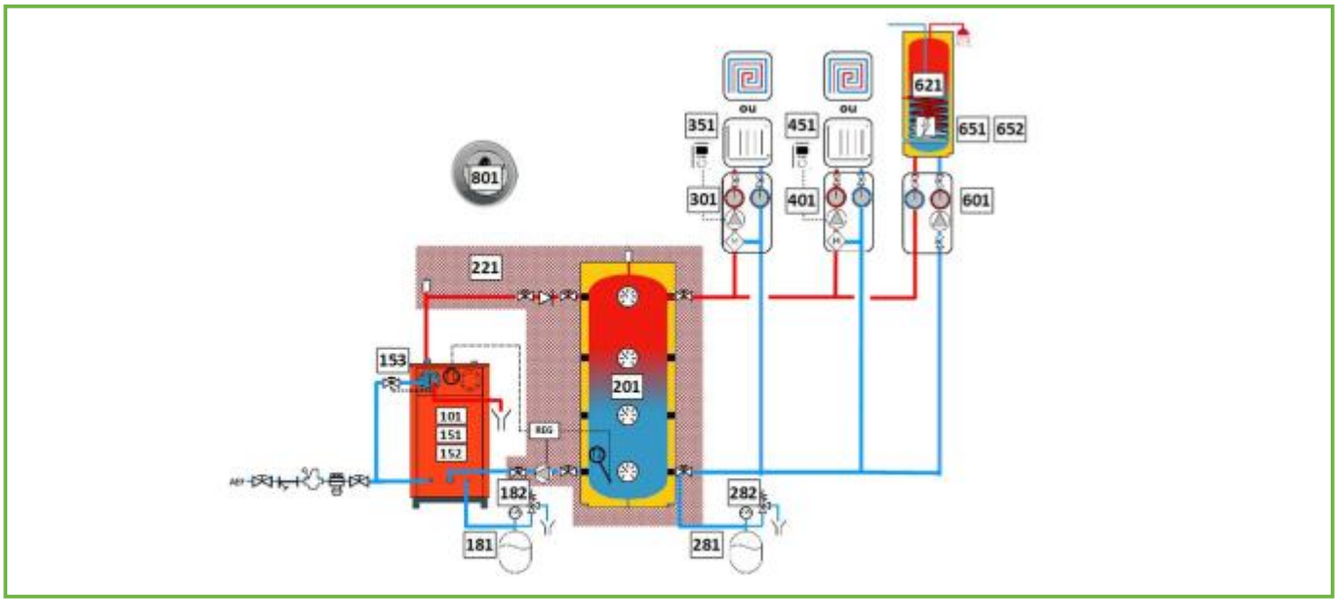
The dew point is avoided thanks to its refractory ceramic combustion chamber.
When combined with a buffer tank, it delivers full power without complex electronics.
Over 60,000 households have been heated with PERGE MC wood boilers since 1974.

Manufacturer's recommendations

Ensure the required chimney draught is respected: from 17 to 22 Pa (i.e. 1.7 mm CE to 2.2 mm CE)
Flue connection must comply with DTU 24.1
Flue maintenance must comply with the Order of 22/10/1969 and the departmental sanitary regulations
A thermal safety valve is mandatory
The closed nitrogen-pressurised expansion vessel must be properly sized

Original model	Description	Ref	€ Excl. tax
MC 5.20 CI (ex 902 007)	**MC 5.20 CI boiler body** **MC 5.20/5.30 CI PF Casing** **180 M flue outlet**	**902 014** **902 015** **902 016**	**4 580** **492** **126**
MC 5.30 CI PF (ex 902 011)	**MC 5.30 CI PF boiler body** **MC 5.20/5.30 CI PF Casing** **Flue outlet**	**902 019** **902 015** **902 016**	**5 150** **492** **126**
MC 5.30 CI GF (ex 902 020)	**MC 5.30 CI GF boiler body** **MC 5.30 CI GF Casing** **180 M flue outlet**	**902 017** **902 018** **902 016**	**5 380** **530** **126**
MC 5.20 CI B150 (ex 902 012)	**MC 5.20 CI boiler body** **MC 5.20/5.30 CI PF Casing** **180 M flue outlet** **Stainless steel tank B150**	**902 014** **902 015** **902 016** **902 006**	**4 580** **492** **126** **1 700**
MC 5.30 CI PF B150 (ex 902 021)	**MC 5.30 CI PF boiler body** **MC 5.20/5.30 CI PF Casing** **180 M flue outlet** **Stainless steel tank B150**	**902 019** **902 015** **902 016** **902 006**	**5 150** **492** **126** **1 700**
MC 5.30 CI GF B150 (ex 902 022)	**MC 5.30 CI GF boiler body** **MC 5.30 CI GF Casing** **180 M flue outlet** **Stainless steel tank B150**	**902 017** **902 018** **902 016** **902 006**	**5 380** **530** **126** **1 700**

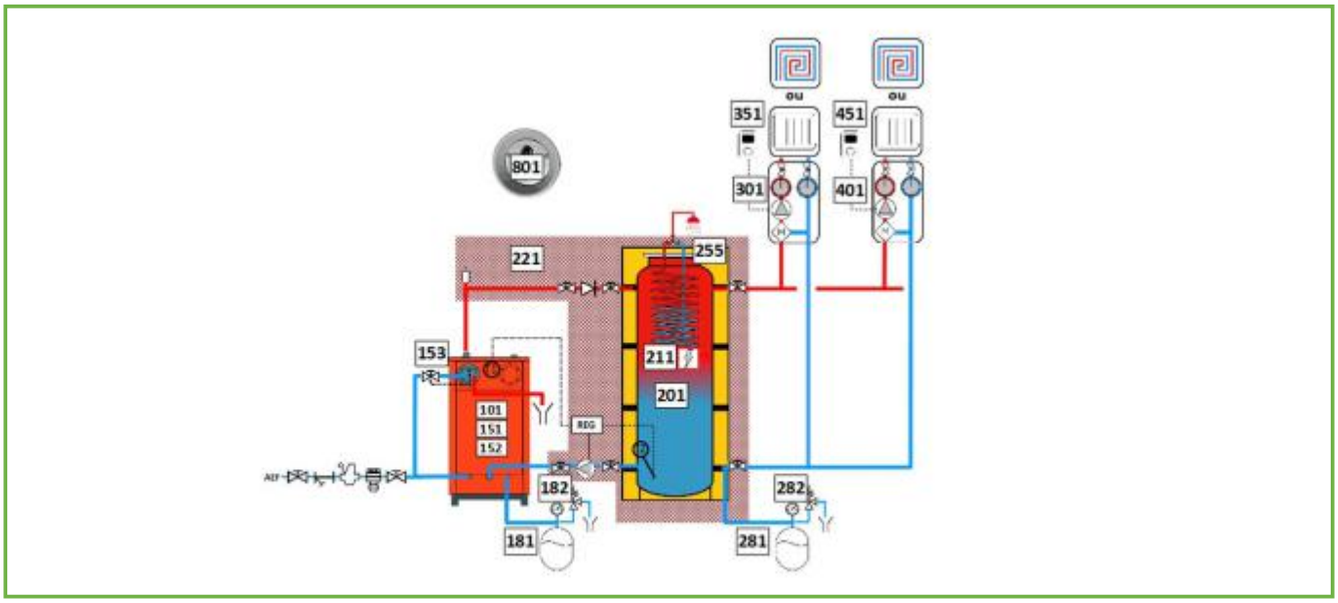
MC CI log-burning boiler with buffer tank – MCI01



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 CI	154	**902 014**	**4 580**
>	MC 5.30 CI PF		**902 019**	**5 150**
>	MC 5.30 CI GF		**902 017**	**5 380**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20/5.30 CI PF	154	**902 015**	**492**
>	Casing MC 5.30 CI GF		**902 018**	**530**
152	**CI flue outlet**			
>	CI flue outlet 180 M	154	**902 016**	**126**
153	**Thermal safety valve**			
>	Thermal safety valve	158	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Accessories for connecting MC boiler to buffer tank**			
>	MB (1 BT)	208	**900 400**	**1 259**
>	MB2 (2 BT)		**900 405**	**1 304**
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Heating circuit No. 1 – Wired or radio room thermostat**			
>	TH4-F Wired (if MHT)	212	**900 470**	**67**
>	TH4-R Radio (if MHT)		**900 471**	**175**
401	**Heating circuit no. 2 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Heating circuit No. 2 – Wired or radio room thermostat**			
>	TH4-F Wired (if MHT)	212	**900 470**	**67**
>	TH4-R Radio (if MHT)		**900 471**	**175**
601	**If DHW: Direct hydraulic module for DHW with biomass boiler**			
>	MHP BM	211	**900 486**	**524**
>	MHP BM-FM		**900 614**	**660**
621	**DHW cylinder selection according to capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If DHW mixed electric, selection of immersion heater**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
>	TR30 - 3,0 kW three-phase		**900 555**	**490**
>	TR45 - 4,5 kW three-phase		**900 448**	**543**
>	TR60 - 6,0 kW three-phase		**900 449**	**559**
652	**Flange required if TR immersion heater**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

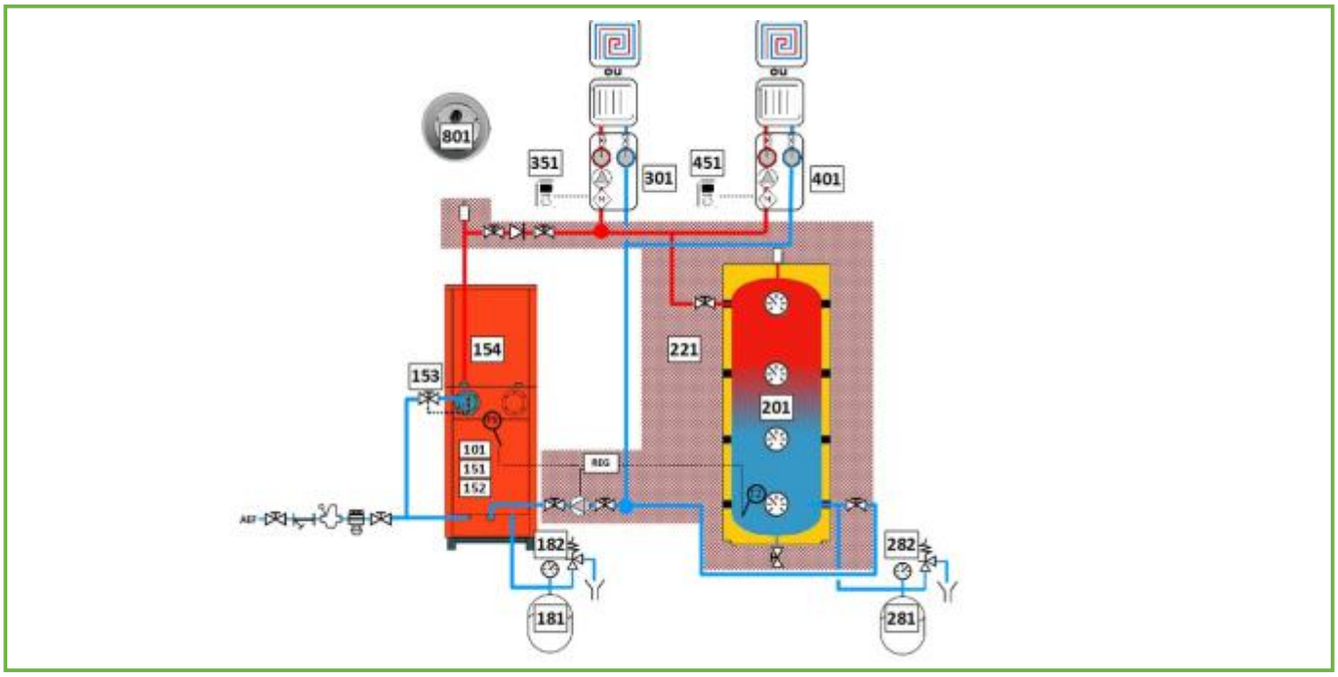
MC CI log-burning boiler with mixed buffer tank – MCI02



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 CI	154	**902 014**	**4 580**
>	MC 5.30 CI PF		**902 019**	**5 150**
>	MC 5.30 CI GF		**902 017**	**5 380**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20/5.30 CI PF	154	**902 015**	**492**
>	Casing MC 5.30 CI GF		**902 018**	**530**
152	**CI flue outlet**			
>	CI flue outlet 180 M	154	**902 016**	**126**
153	**Thermal safety valve**			
>	Thermal safety valve	158	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Mixed buffer tank selection**			
	Removable copper DHW coil			
>	BTM-SC 500	206	**900 580**	**2 536**
>	BTM-SC 800		**900 581**	**2 987**
>	BTM-SC 1000		**900 582**	**3 109**
>	BTM-SC 1500		**900 583**	**4 408**
>	BTM-SC 2000		**900 587**	**5 998**
	Stainless steel DHW coil			
>	BTM-SI 800	206	**900 309**	**2 987**
>	BTM-SI 1000		**900 310**	**3 109**
>	BTM-SI 1500		**900 316**	**4 408**
211	**Immersion heater selection based on power and type of electrical supply**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
>	TR30 - 3,0 kW three-phase		**900 555**	**490**
>	TR45 - 4,5 kW three-phase		**900 448**	**543**
>	TR60 - 6,0 kW three-phase		**900 449**	**559**

N°	Designation	Page	Ref	€ Excl. tax
221	**Accessories for connecting MC boiler to buffer tank**			
>	MB (1 BT)	208	**900 400**	**1 259**
>	MB2 (2 BT)		**900 405**	**1 304**
255	**Domestic hot water thermostatic mixing valve**			
>	1/2" F thermostatic mixing valve 30–70°C	207	**990 713**	**106**
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Wired or radio room thermostat with control action on the backup boiler burner**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
401	**Heating circuit no. 2 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Heating circuit No. 2 – Wired or radio room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

MC CI log-burning boiler + DHW + buffer tank – MCI11



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 CI	154	**902 014**	**4 580**
>	MC 5.30 CI PF		**902 019**	**5 150**
>	MC 5.30 CI GF		**902 017**	**5 380**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20/5.30 CI PF	154	**902 015**	**492**
>	Casing MC 5.30 CI GF		**902 018**	**530**
152	**CI flue outlet**			
>	CI flue outlet 180 M	154	**902 016**	**126**
153	**Thermal safety valve**			
>	Thermal safety valve	158	**900 285**	**141**
154	**150-litre DHW storage tank**			
>	B150 stainless steel tank	154	**902 006**	**1 700**
155	**3 kW immersion heater**			
>	TR30 – 3.0 kW single-phase	209	**900 301**	**419**
156	**MC flange mandatory if TR is used**			
>	TR–MC flange	209	**900 556**	**72**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Accessories for connecting MC boiler to buffer tank**			
>	MB accessories (1 buffer tank)	208	**900 400**	**1 259**
>	MB2 accessories (2 buffer tanks)		**900 405**	**1 304**

N°	Designation	Page	Ref	€ Excl. tax
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Wired or radio room thermostat with control action on the backup boiler burner**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
401	**Heating circuit no. 2 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Heating circuit No. 2 – Wired or radio room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

Mandatory equipment

Designation	Description	Ref	€ Excl. tax
SST	Thermal safety valve to prevent boiler overheating. It must be connected to the anti-boiling exchanger in installations with a closed expansion vessel.	**900 285**	**141**
MT180	Draught moderator – 180 mm diameter	**900 467**	**247**

Optional specific equipment

Designation	Description	Ref	€ Excl. tax
THF	Smoke thermostat enabling automatic operation of an MC boiler with an oil boiler in a single chimney flue. Comply with chimney installation requirements for wood-fired boilers.	**900 016** (A)	**150**
MC–CDM coupling kit	Allows automatic operation of an MC boiler with a PERGE Optitherm oil boiler in a single chimney flue. Comply with chimney installation requirements for wood-fired boilers.	**900 112** (A)	**608**
MC–Oil coupling kit	Allows automatic operation of an MC boiler with any oil boiler in a single chimney flue. Comply with chimney installation requirements for wood-fired boilers.	**900 113** (A)	**748**
B150 Stainless steel tank	150-litre DHW production tank in stainless steel. Mounted on top of the boiler. Natural circulation via thermosiphon. High-performance insulation with polyurethane foam. Jacket to be fitted. Supplied with a thermostatic mixing valve for hot water temperature control.	**902 006**	**1 700**
2-input / 1-output controller	Differential controller with 2 inputs and 1 output*	**900 607**	**380**
4-input / 2-output controller	Differential controller with 4 inputs and 2 outputs*	**900 608**	**436**

** Supplied with temperature sensors*

Optional standard accessories

Description	More information, page...
Hydraulic modules	**210**
Room thermostat	**212**
Expansion vessel and safety valve	**211**
Buffer tanks (heating, mixed, with solar coil)	**206**

Optional standard accessories

Description	More information, page...
Accessory kits for buffer tank equipment	**208**
Domestic hot water cylinders	**209**
Electric back-up heaters	**209**

Other available parts – MC CI

Designation	Ref	€ Excl. tax
Upper exchanger 5.20 CI Upper exchanger 5.30 CI Lower exchanger 5.20–5.30 CI PF Lower exchanger 5.30 CI GF	**991 268** **991 269** **991 222** **991 270**	**2 120** **2 481** **2 021** **2 508**
Cast iron grate 5.20–5.30	**990 576**	**233**

Other available parts – MC CI

Designation	Ref	€ Excl. tax
Loading door – MC CI Ashtray door – MC CI	**991 901** **991 239**	**279** **209**
Draught regulator MC CI thermometer Anti-boiling exchanger	**990 201** **991 263** **990 143**	**129** **55** **364**

Technical and dimensional specifications

Designation	MC 5.20 CI	MC 5.20 CI B150	MC 5.30 CI PF	MC 5.30 CI PF B150	MC 5.30 CI GF	MC 5.30 CI GF B150
Approved fuel	Firewood logs	Firewood logs	Firewood logs	Firewood logs	Firewood logs	Firewood logs
Log length (cm)	50	50	50	50	50	50
Output (kW)	20	20	30	30	30	30
Boiler dimensions (W x D x H) (mm)	600 x 1075 x 1270	600 x 1075 x 2075	600 x 1075 x 1270	600 x 1075 x 2075	600 x 1075 x 1515	600 x 1075 x 2320
Firebox dimensions (W x D x H) (mm)	360 x 560 x 670	360 x 560 x 670	360 x 560 x 670	360 x 560 x 670	360 x 560 x 750	360 x 560 x 750
Loading door dimensions (mm)	308 x 308	308 x 308	308 x 308	308 x 308	308 x 308	308 x 308
Clearance required for door opening (mm)	420	420	420	420	420	420
Water capacity (L)	74	74	74	74	85	85
Heating flow / return diameter	40 / 49 F	40 / 49 F	40 / 49 F	40 / 49 F	40 / 49 F	40 / 49 F
Efficiency (%)	80	80	80	80	80	80
Flue gas mass flow at max output (g/s)	18,79	18,79	26,10	26,10	26,10	26,10
Required chimney draught (Pa)	17 à 22	17 à 22	17 à 22	17 à 22	17 à 22	17 à 22
Flue gas temperature at max output (°C)	240	240	240	240	240	240
CO_2 level at max output (%)	9,5	9,5	9,5	9,5	9,5	9,5
Flue outlet diameter (mm)	180	180	180	180	180	180
Weight (kg)	350	400	365	415	405	455
Number of packages	3	4	3	4	3	4

Mixed wood–bio-oil boilers

GTEI

Designed to work up to 100% plant based biofuel or 100% hydrotreated vegetable oil

kW **20/24 and 30/24 kW**

Heating only or heating + DHW production via independent tank

Natural draught

Repairability at the service of our customers

With over 70,000 boilers installed, the MC series offers every guarantee of longevity and reliability.
As part of our long-term maintenance and sustainable operation policy, we ensure the availability of spare parts for appliances sold since 1985.

Simplicity and efficiency

Supplied with a hydraulic connection kit between the two boilers, installation is straightforward.

Thanks to the manifold and smoke thermostat, operation via a single chimney flue is automatic. In this configuration, the outputs of both boilers are not cumulative.

The **Optitherm 24 C-F30 GTEI version** with its burner is **ErP 2015 and 2018 certified.**
It can be installed at any time on an existing MC Classic wood boiler—either during the initial installation or later on.

Simplified installation

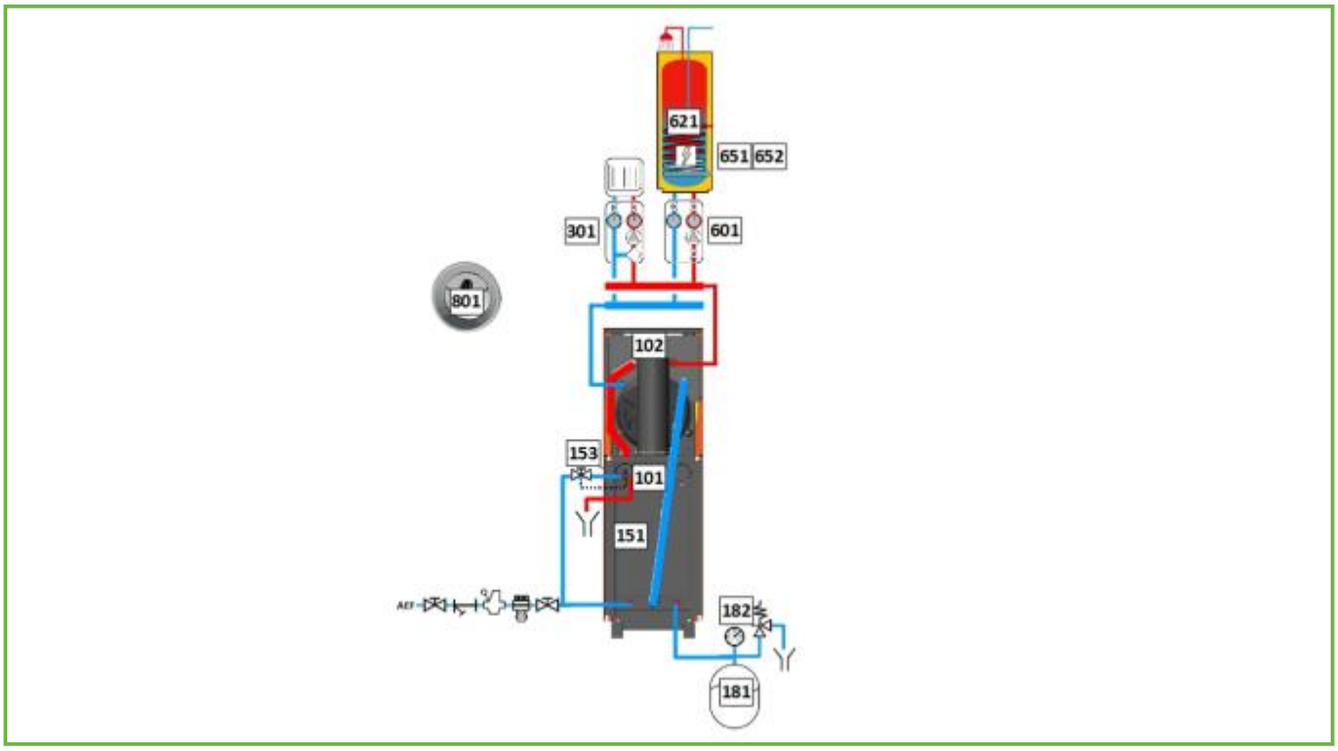
To facilitate handling and installation, the two boilers forming the GTEI set are delivered in separate packages.
Once positioned, the jackets must be mounted on each boiler respectively.

Manufacturer's recommendations

Ensure the required chimney draught is maintained: from 13 to 18 Pa (i.e. 1.3 to 1.8 mm CE)
A **thermal safety valve** is mandatory
The **closed nitrogen-pressurised expansion vessel** must be properly sized

Original model	Designation	Ref	€ Excl. tax
GTEI 20/24 F30 (ex 902 023)	**MC 5.20 Classic boiler body** MC 5.20 Classic casing Special bio-oil boiler for top-mounted installation on MC Classic wood boiler	**715 000** **902 028** **902 125**	**4 480** **396** **3 560**
GTEI 30/24 F30 (ex 902 024)	**MC 5.30 Classic boiler body** MC 5.30 Classic casing Special bio-oil boiler for top-mounted installation on MC Classic wood boiler	**715 011** **902 031** **902 125**	**4 880** **491** **3 560**
Optitherm 24 C-F30 – GTEI version	Special bio-oil boiler for top-mounted installation on MC Classic wood boiler Supplied with biofuel burner, hydraulic connection kit between the two boilers, manifold, and smoke thermostat for operation with a single chimney flue.	**902 125**	**3 560**

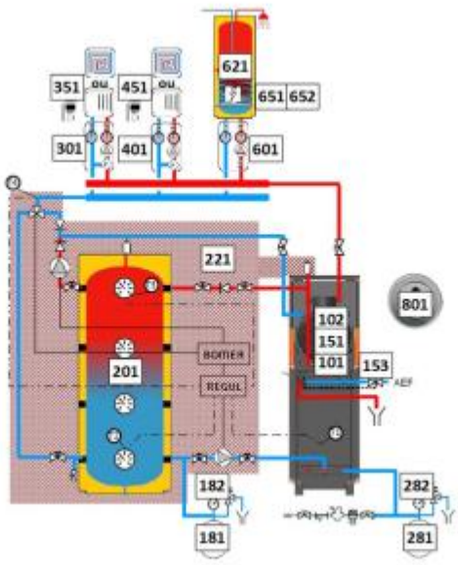
Wood–bio-oil boiler GTEI – POL01



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 Classic	159	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
102	**Oil boiler for top-mounted installation on MC Classic wood boiler**			
>	Optitherm 24 C-F30 – GTEI special version	159	**902 125**	**3 560**
151	**Casing selection according to the chosen boiler body**			
>	Casing MC 5.20 Classic	159	**902 028**	**396**
>	Casing MC 5.30 Classic		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	163	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit No. 1 – Manually mixed hydraulic module, motorisable (MHM)**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
601	**If DHW is required:** **– Direct hydraulic module for DHW with biomass boiler (circulator, shut-off valves, thermometers, anti-thermosiphon valve)**			
>	MHP BM	211	**900 486**	**524**
>	MHP BM-FM		**900 614**	**660**
621	**DHW cylinder selection based on required capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
651	**If electric-mixed DHW tank:** **Select immersion heater based on power and type of electrical supply**			
>	TR30 single-phase	209	**900 301**	**419**
>	TR45 single-phase		**900 446**	**427**
>	TR60 single-phase		**900 447**	**773**
>	TR30 three-phase		**900 555**	**490**
>	TR45 three-phase		**900 448**	**543**
>	TR60 three-phase		**900 449**	**559**
652	**Flange required if TR immersion heater**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draughtmoderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

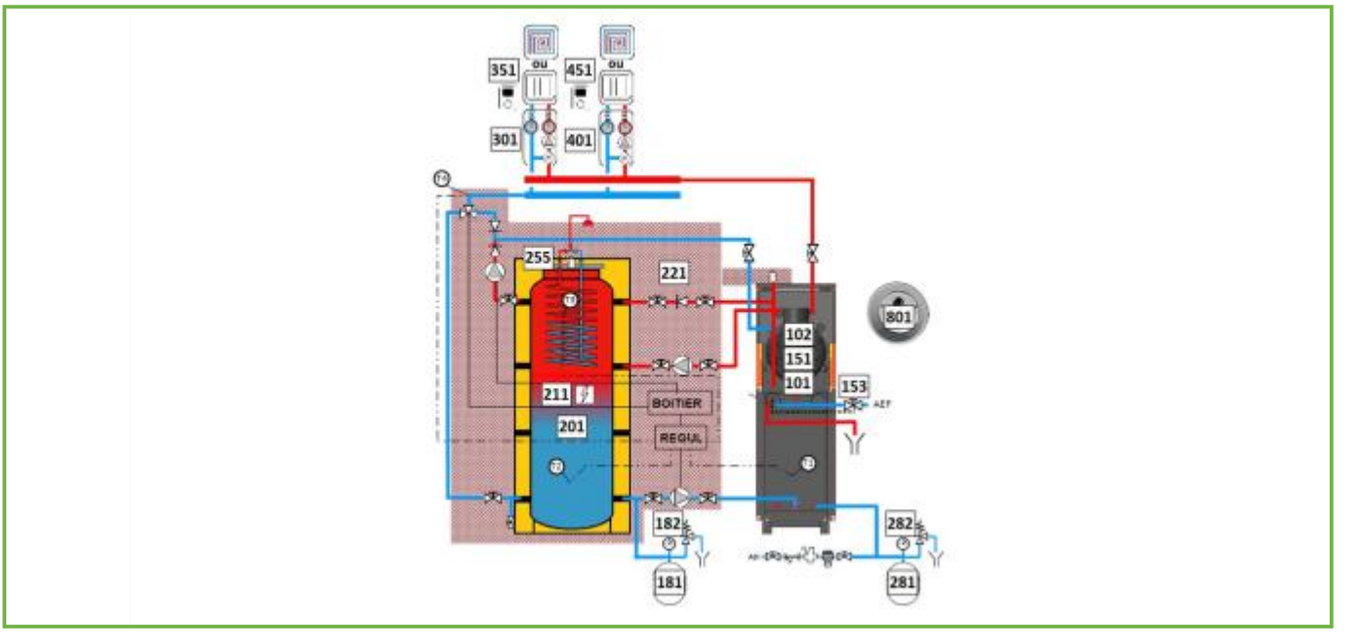
Wood–bio-oil boiler GTEI with buffer tank – POL11



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 classic	159	**715 000**	**4 480**
>	MC 5.30 classic		**715 011**	**4 880**
102	**Oil boiler for top-mounted installation on MC Classic wood boiler**			
>	Optitherm 24 C-F30 special GTEI	159	**902 125**	**3 560**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20 Classic	159	**902 028**	**396**
>	Casing MC 5.30 Class		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	163	**900 285**	**141**
181	**Expansion vessel selection according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Buffer tank selection**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Accessories for connecting GTEI to buffer tank**			
>	GTB accessories	208	**900 675**	**1 445**
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**

N°	Designation	Page	Ref	€ Excl. tax
351	**Heating circuit No. 1 – Wired or radio room thermostat**			
>	TH4-F Wired	212	**900 470**	**67**
>	TH4-R Radio		**900 471**	**175**
401	**Heating circuit No. 2 – Hydraulic module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Heating circuit No. 2 – Wired or wireless room thermostat**			
>	TH4-F Wired	212	**900 470**	**67**
>	TH4-R Radio		**900 471**	**175**
601	**If DHW is required: – Direct hydraulic module for DHW with biomass boiler (circulator, shut-off valves, thermometers, anti-thermosiphon valve)**			
>	MHP BM	211	**900 486**	**524**
>	MHP BM-FM		**900 614**	**660**
621	**DHW cylinder selection based on required capacity**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
651	**If electric-mixed DHW tank, select immersion heater based on power and type of electrical supply**			
>	TR30 single-phase	209	**900 301**	**419**
>	TR45 single-phase		**900 446**	**427**
>	TR60 single-phase		**900 447**	**773**
>	TR30 three-phase		**900 555**	**490**
>	TR45 three-phase		**900 448**	**543**
>	TR60 three-phase		**900 449**	**559**
652	**Flange required if TR immersion heater**			
>	TR/PE flange	209	**900 450**	**65**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

Wood–bio-oil boiler GTEI with mixed buffer tank – POL12



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler body selection based on required output**			
>	MC 5.20 classic	159	**715 000**	**4 480**
>	MC 5.30 classic		**715 011**	**4 880**
102	**Oil boiler for top-mounted installation on MC Classic wood boiler**			
>	Optitherm 24 C-F30 – GTEI special version	159	**902 125**	**3 560**
151	**Casing selection based on the chosen boiler body**			
>	Casing MC 5.20 classic	159	**902 028**	**396**
>	Casing MC 5.30 classic		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	163	**900 285**	**141**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
201	**Mixed buffer tank selection**			
	Removable copper DHW coil			
>	BTM-SC 500	206	**900 580**	**2 536**
>	BTM-SC 800		**900 581**	**2 987**
>	BTM-SC 1000		**900 582**	**3 109**
>	BTM-SC 1500		**900 583**	**4 408**
>	BTM-SC 2000		**900 587**	**5 998**
	Stainless steel DHW coil			
>	BTM-SI 800	206	**900 309**	**2 987**
>	BTM-SI 1000		**900 310**	**3 109**
>	BTM-SI 1500		**900 316**	**4 408**
211	**Immersion heater selection based on power and type of electrical supply**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
>	TR30 - 3,0 kW three-phase		**900 555**	**490**
>	TR45 - 4,5 kW three-phase		**900 448**	**543**
>	TR60 - 6,0 kW three-phase		**900 449**	**559**

N°	Designation	Page	Ref	€ Excl. tax
221	**Accessories for connecting MC boiler to buffer tank**			
>	GTBM accessories	208	**900 657**	**1 681**
255	**Domestic hot water thermostatic mixing valve**			
>	1/2" F thermostatic mixing valve 30–70°C	207	**990 713**	**106**
281	**Expansion vessel selection based on capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
282	**Pressure gauge valve mandatory on the installation**			
>	Pressure valve with manometer	211	**900 404**	**23**
>	PSRV bracket (for vessels up to 35 litres)		**900 564**	**97**
301	**Heating circuit no. 1 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Wired or radio room thermostat with control action on the backup boiler burner**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
401	**Heating circuit no. 2 MHR module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Heating circuit No. 2 – Wired or radio room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
801	**Draught moderator**			
>	MT180, 180 mm diameter	212	**900 467**	**247**

Mandatory equipment

Designation	Description	Ref	€ Excl. tax
SST	Thermal safety valve to prevent boiler overheating. It must be connected to the anti-boiling exchanger in installations with a closed expansion vessel.	**900 285**	**141**
MT180	Draught moderator – 180 mm diameter	**900 467**	**247**

Optional specific equipment

Designation	Description	Ref	€ Excl. tax
4-input / 2-output controller	Differential controller with 4 inputs and 2 outputs*	**900 608**	**436**

** Supplied with temperature sensors*

Optional standard accessories

Description	More information, page...
Hydraulic modules	**210**
Room thermostat	**212**
Expansion vessel and safety valve	**211**
Buffer tanks (heating, mixed, with solar coil)	**206**
Accessory kits for buffer tank equipment	**208**
Domestic hot water cylinders	**209**
Electric back-up heaters	**209**

Technical and dimensional specifications – GTEI

Designation	GTEI 20/24	GTEI 30/24	Opti 24 C – GTEI special version
Nominal output (Wood) (kW)	20	30	/
Nominal output (Oil) (kW)	24	24	24
Boiler dimensions (W x D x H) (mm)	570 x 868 x 1790	570 x 868 x 2040	570 x 735 x 740
Wood flue diameter (mm)	180	180	/
Oil flue diameter (mm)	180	180	180
Loading door dimensions (W x H) (mm)	308 x 308	308 x 308	/
Water capacity (L)	129	139	70
Weight (kg)	445	485	115
Number of packages	3	3	1

Eco-design bio-oil boilers – F30 to F100, XTL, and HVO

A complete range up to 384 kW

- Condensing or low-temperature versions
- Compatible with bio-oil F30 to F100, XTL bio-oil, or HVO
- Flue outlet: concentric (balanced flue) or chimney
- Integrated or external DHW production
- Integrated stainless steel tank

CONDENSING	
Domestic	
Connected	Standard

Series	OptiCondens Connect	OptiCondens
Page	**168**	**170**
Fuel	Bio-oil	Bio-oil
Output (kW)	24 - 32	24 - 32
Services	Heating only or heating + DHW	Heating only or heating + DHW
Energy Efficiency Class – Heating (according to 813/2013)	A	A
Heating circuits	2 heating circuits with different temperatures (underfloor heating + radiators)	2 heating circuits with different temperatures (underfloor heating + radiators)
Heating circuit No. 1 circulator	Factory-fitted circulator	Factory-fitted circulator
Control class	Class VII (RC7) – factory-fitted and supplied with powerline communication (PLC) adapters	Class IV (TH4) – optional Class III (RTE3) – optional
MyPerge app for Android or iOS smartphones Local access via Bluetooth – Remote access via internet	MyPerge	–
Flue outlet	PPTL concentric flue outlet	PPTL concentric flue outlet
DHW type: Integrated storage	Stainless steel 90 or 150 L	Stainless steel 90 or 150 L
External storage	Enamelled 150 to 500 L	Enamelled 150 to 500 L
Dimensions: Width (cm)	60	60
Height (cm)	92 cm (heating only) 159 cm (with integrated DHW)	92 cm (heating only) 159 cm (with integrated DHW)

What is bio-oil ?

Bio-oil is a new form of energy. It is a bio-based fuel that significantly reduces CO_2 emissions, bringing them below the threshold of 300 g/kWh LHV, the maximum allowed since July 1, 2022.

Our boilers are compatible with **bio-oil F30 up to F100**, as well as with **XTL and HVO synthetic biofuels.**

The burners fitted on our boilers can operate with **bio-oil F30** (containing 30% renewable energy — the minimum concentration required to meet the above emission threshold), but also with **F100 bio**-oil, made of 100% renewable energy.

Our burners can also run on synthetic fuels produced through recycling processes, such as **XTL or HVO.**

Under these conditions, **CO_2 emissions can be reduced by up to 90%.**

LOW TEMPERATURE

Domestic			Tertiary and Collective
Connected	Underfloor heating + radiators	Radiators	
			
Optitherm Connect	**Optitherm with Duotherm**	**Optitherm without Duotherm**	**Optitherm DUO**
174	**176**	**178**	**190**
Bio-oil	Bio-oil	Bio-oil	Bio-oil
24 - 32	24 - 32	24 - 32	48 – 56 – 64 384 kW (up to 6 units in cascade)
Heating only or heating + DHW	Heating only or heating + DHW	Heating only or heating + DHW	Heating only
B	B	B	B
2 heating circuits with different temperatures (underfloor heating + radiators)	2 heating circuits with different temperatures (underfloor heating + radiators)	2 heating circuits at the same temperature	1 heating flow outlet
Factory-fitted circulator	Factory-fitted circulator	Without circulator	Without circulator
Class VII (RC7) – factory-fitted and supplied with powerline communication (PLC) adapters	Class IV (TH4) – optional Class III (RTE3) – optional	Class IV (TH4) – optional Class III (RTE3) – optional	Class IV (TH4) – optional Class III (RTE3) – optional
MyPerge	—	—	—
Chimney with 316 L stainless steel flue liner or 316 L stainless steel concentric flue	Chimney with 316 L stainless steel flue liner or 316 L stainless steel concentric flue	Chimney with 316 L stainless steel flue liner or 316 L stainless steel concentric flue	Chimney with 316 L stainless steel flue liner
Stainless steel 90 or 150 L	Stainless steel 90 or 150 L	Stainless steel 90 or 150 L	Without integrated DHW
Enamelled 150 to 500 L	Enamelled 150 to 500 L	Enamelled 150 to 500 L	Enamelled 150 to 500 L
50 cm (models 24C and 24B90) 60 cm (other models)	50 cm (models 24C and 24B90) 60 cm (other models)	50 cm (models 24C and 24B90) 60 cm (other models)	60
92 cm (heating only) 159 cm (with integrated DHW)	92 cm (heating only) 159 cm (with integrated DHW)	92 cm (heating only) 159 cm (with integrated DHW)	159

More information about...

An installation without a mixing valve. The dew point in the heat exchanger body is avoided thanks to the Stoptherm device.

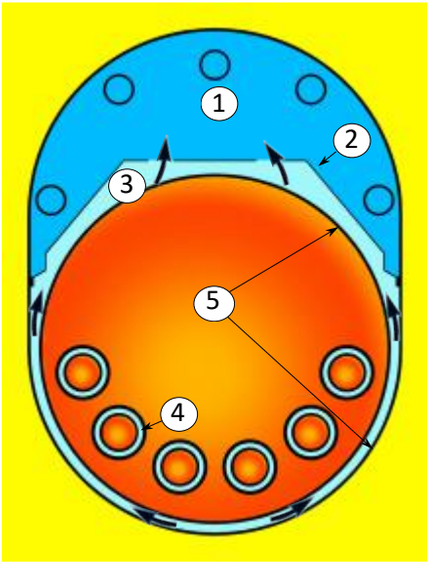
PERGE technology eliminates the need for minimum temperature constraints or a mixing valve. The boiler operates safely without any low return temperature limitation.

PERGE boilers have a heat transfer fluid divided into two sections, separated by a **Stoptherm** (2). When the burner is running, the small volume of water contained in the **peripheral water jacket** (3) surrounding the combustion chamber and in the **heat exchange tubes** (4) is heated to a temperature above 60°C.

This prevents the dew point from being reached, while simultaneously establishing a **natural thermosiphon circulation** between the peripheral water jacket and the **mixing chamber** (1), which is thus heated naturally. The temperature of the water in the peripheral jacket then stabilizes between 90 and 95°C for as long as the burner operates.

One or more independent, direct circuits connect the mixing chamber (1) to the heating installation, preventing cold return water from reaching the heat exchange surfaces.

This eliminates the risk of corrosion and ensures the boiler's durability.



1.Mixing chamber
2.Stoptherm
3.Peripheral water jacket
4.Water jacket in the heat exchange tubes
5.Heat exchange surfaces

Power modulation from 0 to 100% without efficiency loss

The ability of **PERGE** boilers to operate without minimum temperature constraints offers a major additional benefit: the heating temperature can be fully modulated, without limitation, across the entire range of demand **(from 0 to 100% of the boiler's output).**

Short cycling is avoided thanks to the large water volume of the mixing chamber.

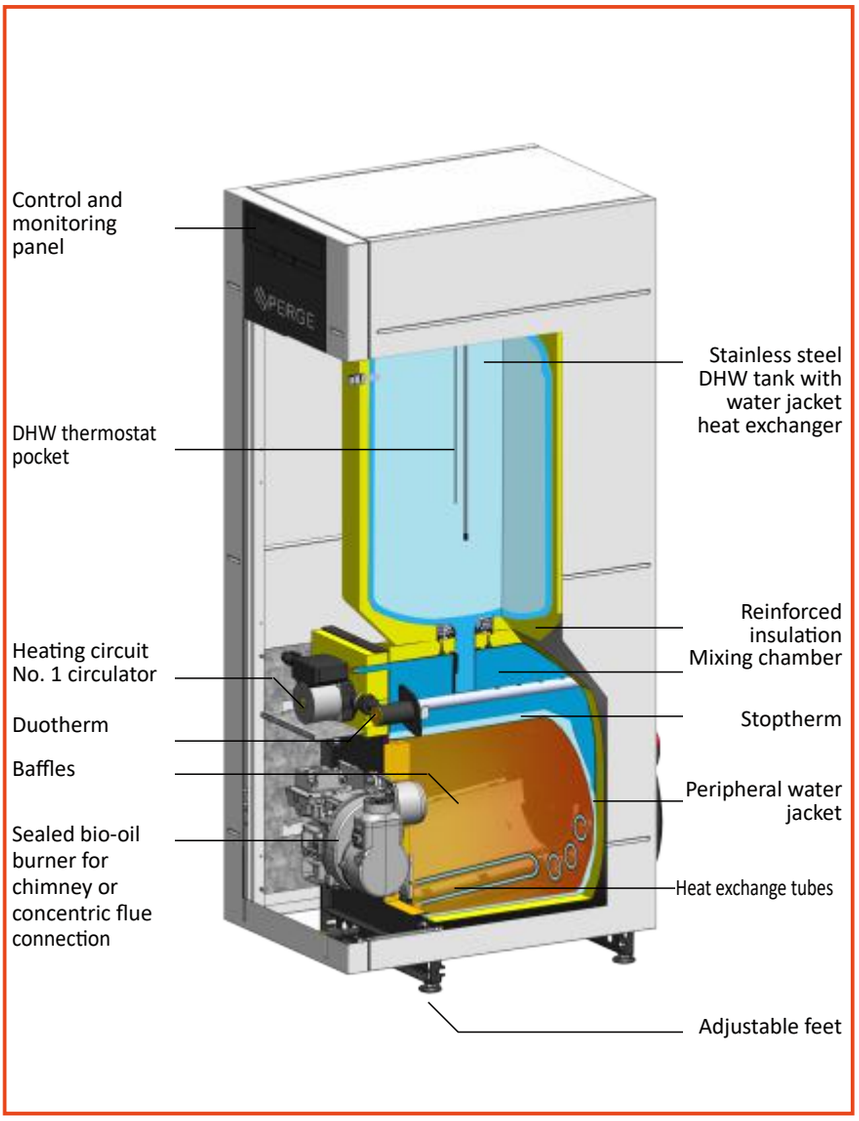
The burner, operating at nominal output, consistently ensures optimal efficiency — with no unnecessary electronics.

The boiler runs safely at a temperature that matches actual demand, with no loss in efficiency.

This high level of performance is reinforced by **very low annual maintenance consumption.***

The results obtained in test centers for Ecodesign certification confirm the **very high efficiency levels** of **PERGE** oil-fired boilers.

** Takes into account the losses when the boiler is shut down and the consumption required to maintain a minimum temperature in order to avoid the dew point. PERGE boilers, by design, do not have this minimum temperature constraint.*



More information about...

Two heating circuits with different temperatures (underfloor heating + radiators) directly from the boiler.

PERGE oil-fired boilers equipped with the Duotherm-System (PERGE patent) can supply two heating circuits at different temperatures (e.g., underfloor heating and radiators) directly from the boiler.
Each circuit is supplied at the required temperature, **without a mixing valve or motorisation.**

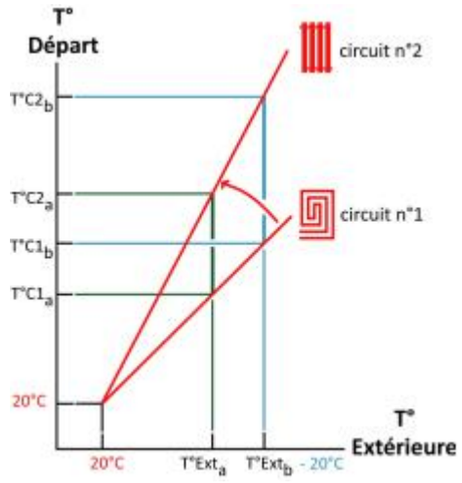
The Duotherm-System is based on the principle of a fixed injection and re-injection bypass. The slope of the controller determines and regulates the flow temperature of the heating circuit where the sensor is installed (in our example, circuit No. 1).
The Duotherm-System setting creates a **second regulation** slope, which determines and controls the temperature of circuit No. 2.

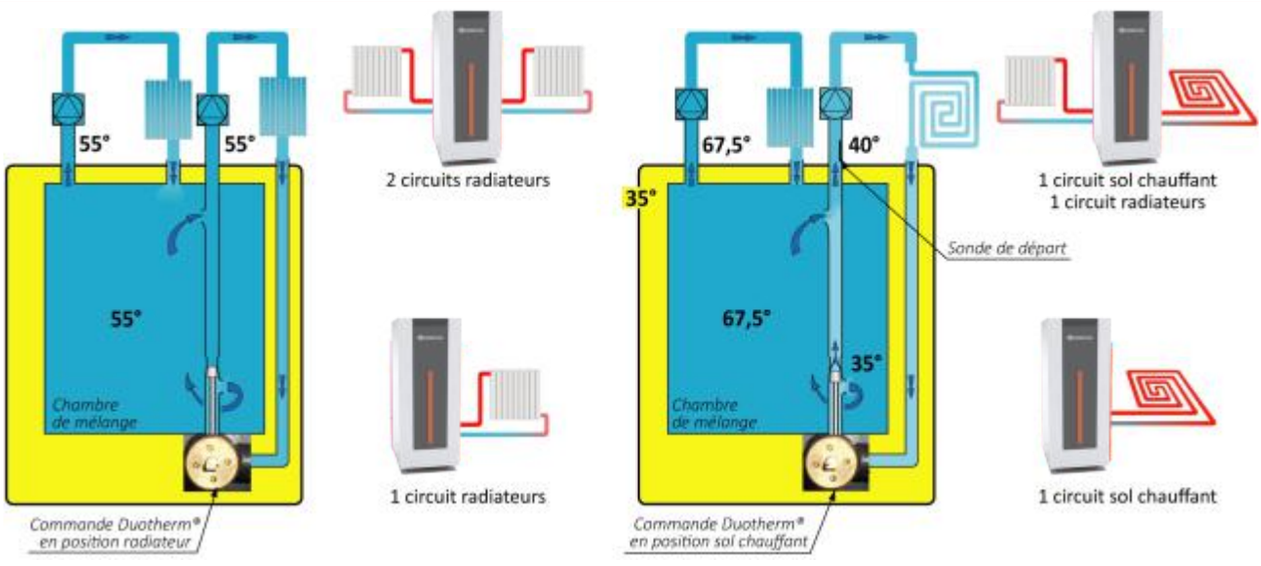
This results in **two heating circuits regulated at different temperatures**, without a mixing valve, without motorisation, and **with a single controller.**

The Duotherm-System helps reduce the number of components typically required in this kind of setup with a conventional boiler (mixing valve, valve motorisation, separate controller...) while ensuring **optimal comfort.**

The oil-fired boilers equipped with the Duotherm-System are:
- **Optitherm low-temperature boilers with Duotherm**
- **OptiCondens condensing boilers**

Heat curves





Note: Each of the above configurations can be implemented with a boiler with or without domestic hot water (DHW) production.

RC7: Weather-compensated control with room correction (Class VII), connected.

Heating curve settings based on slope, parallel offset, and maximum outdoor operating temperature.

Correction of the heating curve based on the difference between the **requested room temperature** and the **measured room temperature**
(1 room sensor per heating circuit), with the ability to adjust:
- the **activation threshold** for compensation (default: 1°C)
- the **compensation responsiveness** (i.e., stronger or weaker effect on boiler temperature)

3 heating circuits or 2 heating circuits + 1 DHW circuit
Outdoor sensor and room sensors available in wired or wireless versions

Individual programming for each heating circuit of comfort, eco, and absence temperatures
Programming of DHW temperature and operating time slots

Two access levels:
- **User:** functions related to room temperature
- **Professional:** User functions + boiler operation settings, alert monitoring, etc.

Local connection via Bluetooth or remote connection via internet using a smartphone
The user can disable external access to the boiler and only **enable it temporarily** during a professional's intervention.

High-efficiency condensing bio-oil boilers connected models

OptiCondens Connect

kW **24 or 32 kW**

Bio-oil / Biofuel

Heating only
Heating + domestic hot water via 90 or 150 L stainless steel tank

Duotherm =
2 heating circuits
at different temperatures
directly from the boiler
without mixing valve

Chimney / Concentric flue

RC7 Inside

A

Warranty 10 years Boiler body

Material for concentric flue connection: The flue duct may be made of PPTL.
Concentric flue version – Maximum connection distance:
- Horizontal flue type C13: 1 × 90° elbow + 3 × 1 m lengths (maximum 1 m horizontal) + C13 terminal
- Flue type C33: 4 × 1 m lengths + C33 terminal
- Flue type B22/B23 or B32/B33: 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12 m

Flue diameter must be ≥ 125 mm for lengths over 6 m
For B32/B33, the minimum chimney section must be 14 cm per side.

Description	Designation OptiCondens Connect	kW	DHW Inox	RC7	SEER	Ref	€ Excl. tax
Equipment included on all models: Heat exchanger body allowing operation without a mixing valve, with no limitation on return temperature and no risk of dew point inside the exchanger body Bio-oil burner: FE24-Bio30 / FE32-Bio30, low NOx burner using bio-oil with up to 100% rapeseed EMAG 904L stainless steel tubular bundle condenser Heating circuit No. 1 circulator Control and monitoring panel RC7: Class VII weather-compensated control, regulating boiler temperature based on outdoor temperature and correcting the heating curve with room data. Local control via Bluetooth, remote control via internet More information on page 71 Jacket with reinforced insulation PLC kit: 2 powerline adapters + 2 RJ45 cables (2.00 m each) V: Sealed combustion chamber for chimney, horizontal, vertical, or split flue connection D: Duotherm device for direct supply of 2 heating circuits at different temperatures **Domestic hot water (DHW):** C: Heating only B: Heating + DHW production via 90 L (B90) or 150 L (B150) stainless steel tank	**Bio-oil**						
	24 C-F30VDR	**24**	**/**	●	**91,0**	**916 590**	**6 390**
	32 C-F30VDR	**32**	**/**	●	**93,2**	**916 591**	**6 890**
	24 B90-F30VDR	**24**	**90 L**	●	**91,0**	**916 592**	**7 990**
	24 B150-F30VDR	**24**	**150 L**	●	**91,0**	**916 593**	**8 390**
	32 B150-F30VDR	**32**	**150 L**	●	**93,2**	**916 594**	**8 890**

● *factory fitted*

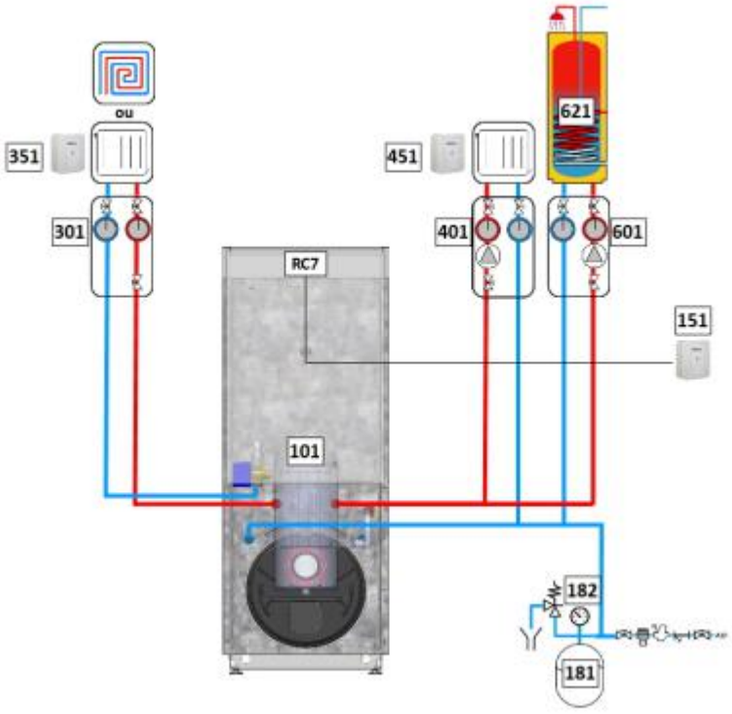
Connect: Mandatory accessories 1 room sensor per circuit and 1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
C+ wired outdoor sensor	Connection with 2 wires, max 0.75 mm², not supplied.	**900 600**	**60**
C+ radio outdoor or room sensor	Supplied with batteries.	**900 601**	**115**
C+ wired room sensor	Connection with 2 wires, max 0.75 mm², not supplied.	**900 602**	**60**
C+ radio outdoor or room sensor	Supplied with batteries.	**900 601**	**115**
C+ wired room sensor with manual comfort setting	Connection with 2 wires, max 0.75 mm², not supplied. Manual comfort temperature setting.	**900 604**	**80**
C+ radio room sensor with manual comfort setting	Supplied with batteries. Manual comfort temperature adjustment.	**900 605**	**138**

OptiCondens Connect Oil – OPC11

Download on the App Store

Available on the Google Play



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
>	OptiCondens 24 C-F30VDR connect	168	**916 590**	**6 390**
>	OptiCondens 32 C-F30VDR connect		**916 591**	**6 890**
>	OptiCondens 24 B90-F30VDR connect		**916 592**	**7 990**
>	OptiCondens 24 B150-F30VDR connect		**916 593**	**8 390**
>	OptiCondens 32 B150-F30VDR connect		**916 594**	**8 890**
151	**Selection of outdoor sensor type (Wired or Radio)**			
>	C+ -F wired outdoor sensor	168	**900 600**	**60**
>	C+ -R radio outdoor sensor		**900 601**	**115**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit No. 1 – Direct hydraulic module MHS without circulator (as it is factory-fitted)**			
>	MHS	210	**900 445**	**279**
>	MHS-FM		**900 499**	**424**
351	**Room sensor selection for circuit 1**			
>	C+ -F wired room sensor	168	**900 602**	**60**
>	C+ -R radio room sensor		**900 601**	**115**
>	Wired room sensor with dial		**900 604**	**80**
>	Radio room sensor with dial		**900 605**	**138**
401	**Heating circuit No. 2 – Direct hydraulic module MHD**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
451	**Room sensor selection for circuit 2**			
>	C+ -F wired room sensor	168	**900 602**	**60**
>	C+ -R radio room sensor		**900 601**	**115**
>	Wired room sensor with dial		**900 604**	**80**
>	Radio room sensor with dial		**900 605**	**138**
601	**If DHW is produced by a separate tank: – Hydraulic module for DHW with electronic circulator and DHW temperature sensor – DHW sensor only (if an existing DHW charging pump is present and kept)**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7 – FM		**900 613**	**588**
>	DHW sensor for Connect		**992 041**	**12**
621	**DHW cylinder selection based on required capacity (Note: only applicable if the selected boiler model does not include integrated DHW. E.g., OptiCondens xx C-F30VD Connect)**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**

Condensing bio-oil boilers (Very High Energy Performance)

OptiCondens

kW **24 or 32 kW**

Bio-oil / Biofuel

Heating only
Heating + domestic hot water via 90 or 150 L stainless steel tank

Duotherm =
2 heating circuits at different temperatures directly from the boiler without mixing valve

Chimney / Room sealed

A

Warranty 10 years Boiler body

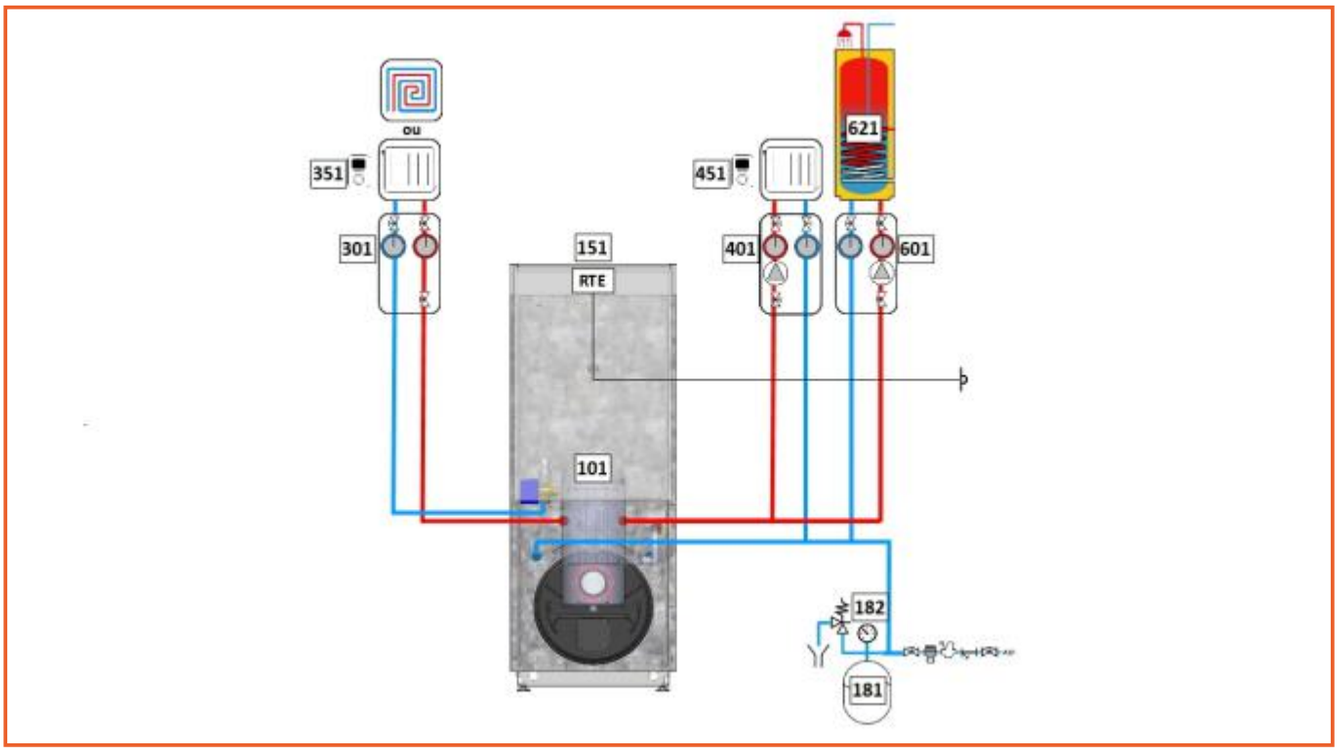
Material for concentric flue connection: The flue duct may be made of PPTL.
Concentric flue version – Maximum connection distance:
- Horizontal flue type C13: 1 × 90° elbow + 3 × 1 m lengths (maximum 1 m horizontal) + C13 terminal
- Flue type C33: 4 × 1 m lengths + C33 terminal
- Flue type B22/B23 or B32/B33: 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12 m

Flue diameter must be ≥ 125 mm for lengths over 6 m
For B32/B33, the minimum chimney section must be 14 cm per side.

Description	Designation OptiCondens	kW	DHW Inox	RTE3 TH4	SEER	Ref	€ Excl. tax
Equipment included on all models: Heat exchanger body allowing operation without a mixing valve, with no limitation on return temperature and no risk of dew point inside the exchanger body Bio-oil burner: FE24-Bio30 / FE32-Bio30 – low NOx burner using bio-oil with up to 100% rapeseed EMAG 904L stainless steel tubular bundle condenser Heating circuit No. 1 circulator Control and monitoring panel Jacket with reinforced insulation V: Sealed combustion chamber for connection to chimney or concentric flue (horizontal, vertical, or split) D: Duotherm device for direct supply of 2 heating circuits at different temperatures **Domestic hot water (DHW):** C: Heating only B: Heating and DHW production via 90-litre (B90) or 150-litre (B150) stainless steel tank	**Bio-oil**						
	24 C-F30VD	**24**	**/**	○	**91,0**	**916 080**	**5 490**
	32 C-F30VD	**32**	**/**	○	**93,2**	**916 081**	**5 990**
	24 B90-F30VD	**24**	**90 L**	○	**91,0**	**916 082**	**7 090**
	24 B150-F30VD	**24**	**150 L**	○	**91,0**	**916 083**	**7 490**
	32 B150-F30VD	**32**	**150 L**	○	**93,2**	**916 084**	**7 990**

○ *Optional*

OptiCondens Oil - OPC01



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
>	OptiCondens 24 C-F30VD	170	**916 080**	**5 490**
>	OptiCondens 32 C-F30VD		**916 081**	**5 990**
>	OptiCondens 24 B90-F30VD		**916 082**	**7 090**
>	OptiCondens 24 B150-F30VD		**916 083**	**7 490**
>	OptiCondens 32 B150-F30VD		**916 084**	**7 990**
151	**Selection of weather-compensated control: – Mandatory if underfloor heating – Recommended to optimize consumption, even with radiators**			
>	RTE3	172	**900 132**	**390**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of the safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
301	**Heating circuit No. 1 – Direct hydraulic module MHS without circulator (as it is factory-fitted)**			
>	MHS	210	**900 445**	**279**
>	MHS-FM		**900 499**	**424**
351	**Heating circuit No. 1 – Wired or radio room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
401	**Heating circuit No. 2 – Direct hydraulic module (MHD)**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
451	**Heating circuit No. 2 – Wired or radio room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
601	**If DHW is produced by a separate tank: – MHP hydraulic module for DHW, with charging pump and DHW thermostat – DHW thermostat only, if an existing DHW charging pump is retained**			
>	MHP	211	**900 444**	**468**
>	MHP-FM		**900 498**	**603**
>	DHW thermostat		**900 549**	**93**
621	**DHW cylinder selection based on required capacity (Note: only if the selected boiler model does not include integrated DHW, e.g., OptiCondens xx C-F30VD)**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**

OptiCondens Connect : Specific optional equipment

Designation	Description	Ref	€ Excl. tax
Heating circuit			
MHS **MHS-FM**	**Hydraulic module without circulating pump** **(for circuit n°1 – circulating pump already fitted in boiler)** More information on page 210	**900 445** **900 499**	**279** **424**
MHD **MHD-FM**	**Direct hydraulic module (for circuit n°2)** More information on page 210	**900 420** **900 494**	**421** **557**
MH2X **MH2X-FM**	**Direct hydraulic module (for a 2nd underfloor heating system on circuit n°2)** More information on page 210	**900 493** **900 616**	**541** **686**
DHW priority			
MHP RC7 **MHP RC7-FM**	**DHW priority hydraulic module for connected boiler** More information on page 211	**900 478** **900 613**	**452** **588**
DHW temperature sensor	**Temperature sensor for independent storage tank and existing charge pump.** Enables DHW priority control with RC7 regulation.	**992 041** (B)	**12**

OptiCondens: Specific optional equipment

Designation	Description	Ref	€ Excl. tax
Heating circuit			
MHS **MHS-FM**	**Hydraulic module without circulating pump (for circuit n°1 – circulating pump already fitted in boiler)** More information on page 210	**900 445** **900 499**	**279** **424**
MHD **MHD-FM**	**Direct hydraulic module (for circuit n°2)** More information on page 210	**900 420** **900 494**	**421** **557**
MH2X **MH2X-FM**	**Direct hydraulic module (for a 2nd underfloor heating system on circuit n°2)** More information on page 210	**900 493** **900 616**	**541** **686**
DHW priority			
MHP **MHP-FM**	**DHW priority hydraulic module** More information on page 211	**900 444** **900 498**	**468** **603**
DHW thermostat	**DHW thermostat for independent storage tank**. Supplied with box, wiring and connectors for electrical connection.	**900 549**	**93**
Room thermostat			
TH4-F Wired	Class IV wired room thermostat with weekly programming. Possible action on circulating pump or burner.	**900 470**	**67**
TH4-R Radio	Class IV radio room thermostat including a weekly-programmable transmitter and a compact 868 MHz receiver. Possible action on circulating pump or burner.	**900 471**	**175**
Climate control			
RTE3	Class III climate controller with burner action, including: controller with plug-in connector cable, flow sensor, outdoor sensor.	**900 132**	**390**

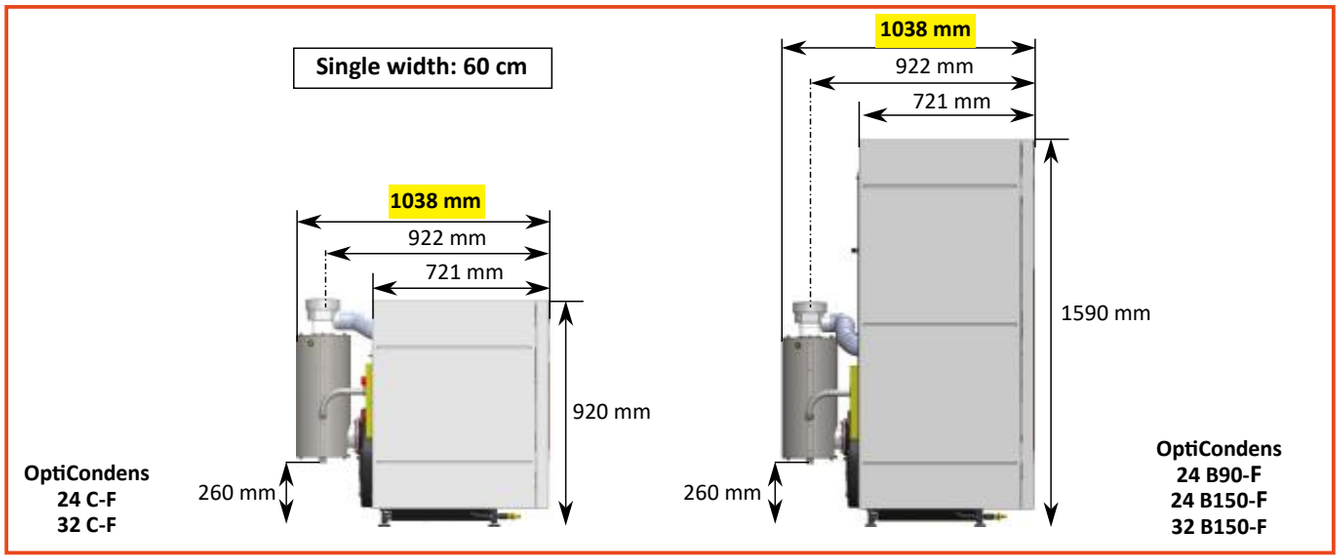
OptiCondens : Other equipment

Description	More information, page...
Expansion vessel and safety valve	**211**
Domestic hot water tanks	**209**
Electric back-up heaters	**209**

Technical and dimensional specifications

Designation	24 C-F	32 C-F	24 B90-F	24 B150-F	32 B150-F
Nominal thermal output (kW)	24,2	31,9	24,2	24,2	31,9
Useful output P4 at 100% load and 80°/60° regime (kW)	23,7	31,1	23,7	23,7	31,1
Useful output P1 at 30% load and 37° return (kW)	7,4	10,0	7,4	7,4	10,0
Efficiency Eta4 at 100% load and 80°/60° regime (%)	98,0	97,4	98,0	98,0	97,4
Efficiency Eta1 at 30% load and 37° return (%)	102,3	104,6	102,3	102,3	104,6
Auxiliary electricity consumption elmax at full load (W)	141	141	141	141	141
Auxiliary electricity consumption elmin at partial load (W)	49	49	49	49	49
Auxiliary electricity consumption PSB in standby mode (W)	1	1	1	1	1
Steady-state heat losses Pstby (W)	123	147	140	146	163
NOx emissions (mg/kWh)	95	99	95	95	99
Seasonal Energy Efficiency Etas (%) of the boiler (*)	91,0	93,2	91,0	91,0	93,2
Heating Energy Efficiency Class (according to 813/2013)	**A**	**A**	**A**	**A**	**A**
DHW tank volume (l)	/	/	90	150	150
Declared load profile	/	/	XL	XL	XL
Daily electricity consumption Qelec (Wh)	/	/	0,19	0,16	0,20
Daily fuel consumption Qfuel (Wh)	/	/	24,52	24,62	27,50
Energy efficiency Etawh for water heating (%)	/	/	77,8	77,5	69,4
Sanitary Energy Efficiency Class	/	/	**B**	**B**	**B**
Flue outlet diameter (mm)	80 / 125	80 / 125	80 / 125	80 / 125	80 / 125
Weight without packaging (kg)	166	176	218	228	238
Number of packages	1	1	1	1	1

** The boiler's Seasonal Energy Efficiency Etas (without regulation) is the one taken into account for eligibility for CITE and CEE.*



Connected low-temperature bio-oil boilers

Optitherm Connect

kW 24 or 32 kW

Bio-oil
Biofuel

Heating only
Heating + domestic hot water via 90 or 150 L stainless steel tank

Chimney or
Room sealed

RC7 Inside

Warranty 10 years Boiler body

⚠ Chimney version: Given the high performance of PERGE boilers, it is essential to line the flue with 316 stainless steel in compliance with current regulations.
Material for room-sealed connection: the flue duct must be made of stainless steel.
Room-sealed version – Maximum connection distance: see opposite page.

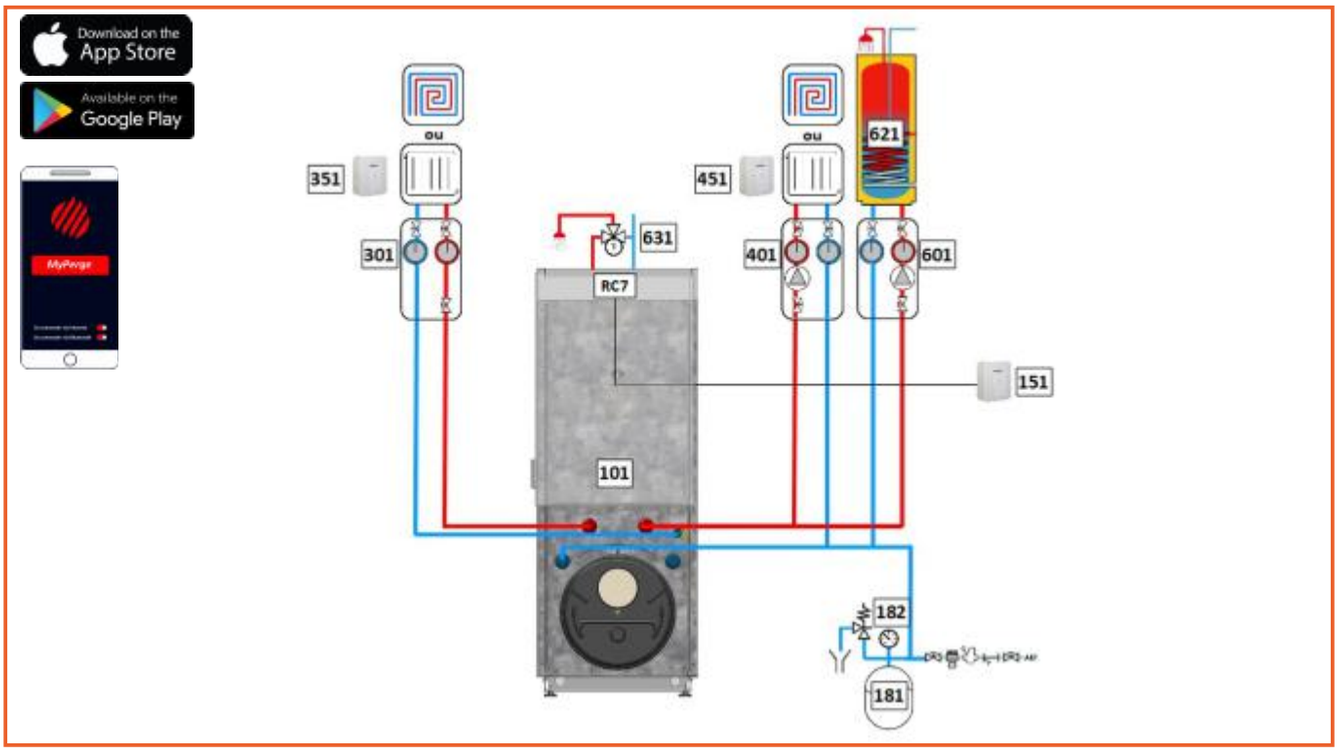
Description	Designation Optitherm Connect	kW	ECS Inox	RC7	SEER	Ref	€ Excl. tax
Equipment available on all models: •Heating body allowing operation without mixing valve, with no return temperature limitation, and no risk of dew point inside the heating body. >**Bio-oil burner**: FE24-Bio30 / FE32-Bio30 low-NOx burner using Bio-oil with up to 100% rapeseed FAME. •2 heating circuits with identical or different temperatures (ideal for underfloor heating and radiators – Duotherm system). •Heating circulating pump for circuit n°1 factory-fitted. •Control and command panel. •RC7: Class VII boiler temperature control based on outdoor temperature, water law correction according to room data. Local piloting via Bluetooth or remote piloting via Internet > More information page 71. PLC kit: 2 PLC plugs and 2 RJ45 cables, 2.00 m long. V: Room-sealed boiler for horizontal, vertical or split flue connection D: Duotherm system for direct supply of 2 heating circuits at different temperatures **Domestic hot water:** C: Heating only B: Heating and DHW production by stainless steel tank of 90 L (B90) or 150 L (B150)	**Bio-oil – chimney**						
	24 C-F30DR	**24**	**/**	●	**86,3**	**916 520**	**4 990**
	32 C-F30DR	**32**	**/**	●	**86,9**	**916 521**	**5 490**
	24 B90-F30DR	**24**	**90 L**	●	**86,2**	**916 522**	**6 590**
	24 B150-F30DR	**24**	**150 L**	●	**86,2**	**916 523**	**6 990**
	32 B150-F30DR	**32**	**150 L**	●	**86,9**	**916 524**	**7 490**
	Bio-oil – room-sealed						
	24 C-F30VDR	**24**	**/**	●	**86,3**	**916 620**	**5 490**
	32 C-F30VDR	**32**	**/**	●	**86,9**	**916 621**	**5 990**
	24 B90-F30VDR	**24**	**90 L**	●	**86,2**	**916 622**	**7 090**
	24 B150-F30VDR	**24**	**150 L**	●	**86,2**	**916 623**	**7 490**
	32 B150-F30VDR	**32**	**150 L**	●	**86,9**	**916 624**	**7 990**

● *Factory-fitted*

Connect: Mandatory accessories 1 room sensor per circuit and 1 outdoor sensor

Designation	Description	Ref	€ Excl. tax
C+ wired outdoor sensor	Connection with 2 wires, max 0.75 mm², not supplied.	**900 600**	**60**
C+ radio outdoor or room sensor	Supplied with batteries.	**900 601**	**115**
C+ wired room sensor	Connection with 2 wires, max 0.75 mm², not supplied.	**900 602**	**60**
C+ radio outdoor or room sensor	Supplied with batteries.	**900 601**	**115**
C+ wired room sensor with manual comfort setting	Connection with 2 wires, max 0.75 mm², not supplied. Manual comfort temperature setting.	**900 604**	**80**
C+ radio room sensor with manual comfort setting	Supplied with batteries. Manual comfort temperature adjustment.	**900 605**	**138**

Optitherm Connect Oil - OPT11



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
	Bio-oil Chimney			
>	Optitherm 24 C-F30DR connect	174	**916 520**	**4 990**
>	Optitherm 32 C-F30DR connect		**916 521**	**5 490**
>	Optitherm 24 B90-F30DR connect		**916 522**	**6 590**
>	Optitherm 24 B150-F30DR connect		**916 523**	**6 990**
>	Optitherm 32 B150-F30DR connect		**916 524**	**7 490**
	Bio-oil Room-sealed			
>	Optitherm 24 C-F30VDR connect	174	**916 620**	**5 490**
>	Optitherm 32 C-F30VDR connect		**916 621**	**5 990**
>	Optitherm 24 B90-F30VDR connect		**916 622**	**7 090**
>	Optitherm 24 B150-F30VDR connect		**916 623**	**7 490**
>	Optitherm 32 B150-F30VDR connect		**916 624**	**7 990**
151	**Choice of outdoor sensor type (Wired or Wireless)**			
>	Outdoor sensor C+-F	174	**900 600**	**60**
>	Outdoor sensor C+-R		**900 601**	**115**
181	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
301	**Heating circuit n°1 – Direct hydraulic module MHS without circulating pump (factory-fitted pump)**			
>	MHS	210	**900 445**	**279**
>	MHS-FM		**900 499**	**424**
351	**Choice of room sensor type for circuit 1**			
>	Room sensor C+-F	174	**900 602**	**60**
>	Room sensor C+-R		**900 601**	**115**
>	Wired room sensor with button		**900 604**	**80**
>	Wireless room sensor with button		**900 605**	**138**

N°	Designation	Page	Ref	€ Excl. tax
401	**Heating circuit n°2 – Direct hydraulic module MHD**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
451	**Choice of room sensor type for circuit 2**			
>	Room sensor C+-F	174	**900 602**	**60**
>	Room sensor C+-R		**900 601**	**115**
>	Wired room sensor with button		**900 604**	**80**
>	Wireless room sensor with button		**900 605**	**138**
601	**If DHW by separate storage tank: Hydraulic module for DHW with electronic pump and DHW temperature sensor DHW sensor only in the case of an existing and retained DHW charging pump**			
>	MHP RC7	211	**900 478**	**452**
>	MHP RC7 - FM		**900 613**	**588**
>	DHW sensor for Connect		**992 041**	**12**
621	**Choice of DHW tank according to capacity (Note: only if the chosen boiler model is without integrated DHW. E.g.: Optitherm xx C-F30DR Connect)**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
631	**Thermostatic mixing valve strongly recommended for models with integrated DHW tank**			
>	Thermostatic mixing valve	207	**990 713**	**106**

Low-temperature bio-oil boilers WITH Duotherm and WITH circulating pump

Optitherm with Duotherm

Bio-oil
Biofuel

Duotherm =
2 heating circuits
at different temperatures
direct connection
without mixing valve

Warranty 10 years Boiler body

kW 24 or 32 kW

Heating only
Heating + domestic hot water by stainless steel tank of 90 or 150 L

Chimney or
Room-sealed

Chimney version: Given the high performance of PERGE boilers, it is essential to line the flue with 316 stainless steel in compliance with current regulations.
Material for room-sealed connection: the flue duct must be made of 316L stainless steel.
Room-sealed version – Maximum connection distance:
Horizontal flue type C13: 1 × 90° elbow + 3 × 1 m lengths (maximum 1 m horizontal) + C13 terminal
Flue type C33: 4 × 1 m lengths + C33 terminal
Flue type B22/B23 or B32/B33: 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12 m
Flue diameter greater than or equal to 125 mm beyond 6 m.
In the case of B32/B33, minimum chimney section: 14 cm side.

Equipment available on all models:
Heating body allowing operation without mixing valve, with no limitation on return temperature, and no risk of dew point.
2 heating circuits with identical or different temperatures (ideal for underfloor heating and radiators – Duotherm system).
Heating circulating pump for circuit n°1 factory-fitted.
Control and command panel.

Bio-oil burner: FE24-Bio30 / FE32-Bio30 low-NOx burner using Bio-oil with up to 100% rapeseed FAME.
Casing and reinforced insulation.

V: Room-sealed combustion chamber for horizontal, vertical or split flue connection
D: Duotherm system for direct supply of 2 heating circuits at different temperatures

Domestic hot water:

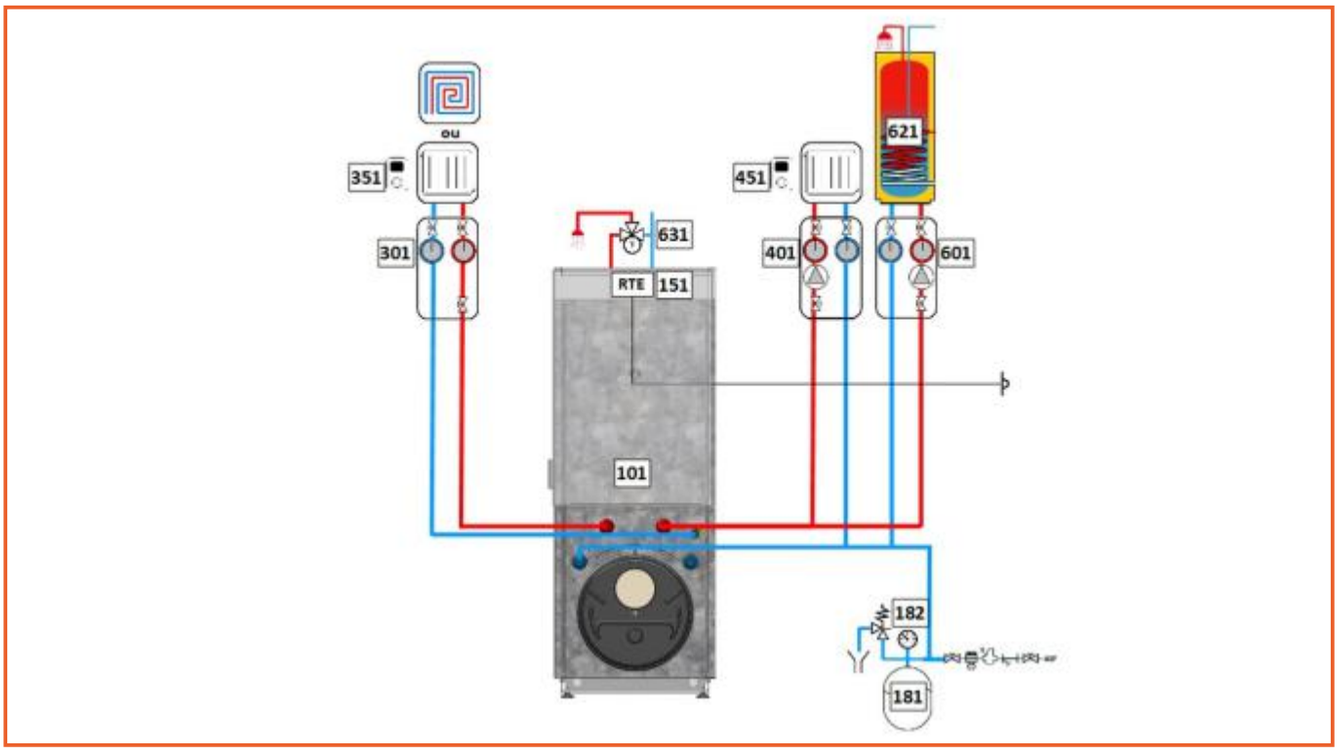
C: Heating only

B: Heating and DHW production by stainless steel tank of 90 litres (B90) or 150 litres (B150)

Designation Optitherm	kW	ECS Inox	RTE3 TH4	SEER	Ref	€ Excl. tax
Bio-oil – chimney						
24 C-F30D	24	/	O	86,3	916 030	4 090
32 C-F30D	32	/	O	86,9	916 031	4 590
24 B90-F30D	24	90 L	O	86,2	916 032	5 690
24 B150-F30D	24	150 L	O	86,2	916 033	6 090
32 B150-F30D	32	150 L	O	86,9	916 034	6 590
Bio-oil – room-sealed						
24 C-F30VD	24	/	O	86,3	916 130	4 590
32 C-F30VD	32	/	O	86,9	916 131	5 090
24 B90-F30VD	24	90 L	O	86,2	916 132	6 190
24 B150-F30VD	24	150 L	O	86,2	916 133	6 590
32 B150-F30VD	32	150 L	O	86,9	916 134	7 090

O *optional*

Optitherm WITH Duotherm Oil – OPT01



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of boiler model according to the required output**			
	Bio-oil Chimney			
>	Optitherm 24 C-F30D	176	**916 030**	**4 090**
>	Optitherm 32 C-F30D		**916 031**	**4 590**
>	Optitherm 24 B90-F30D		**916 032**	**5 690**
>	Optitherm 24 B150-F30D		**916 033**	**6 090**
>	Optitherm 32 B150-F30D		**916 034**	**6 590**
	Bio-oil Room-sealed			
>	Optitherm 24 C-F30VD	176	**916 130**	**4 590**
>	Optitherm 32 C-F30VD		**916 131**	**5 090**
>	Optitherm 24 B90-F30VD		**916 132**	**6 190**
>	Optitherm 24 B150-F30VD		**916 133**	**6 590**
>	Optitherm 32 B150-F30VD		**916 134**	**7 090**
151	**Choice of climate controller**			
>	RTE3	180	**900 132**	**390**
181	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Choice of safety device**			
>	Safety valve + pressure gauge	211	**900 404**	**23**
>	PSRV bracket (maximum 35-litre vessel)		**900 564**	**97**
301	**Heating circuit n°1 – Direct hydraulic module MHS without circulating pump (factory-fitted pump)**			
>	MHS	210	**900 445**	**279**
>	MHS-FM		**900 499**	**424**
351	**Heating circuit n°1 – Wired or wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**

N°	Designation	Page	Ref	€ Excl. tax
401	**Heating circuit n°2 – Direct hydraulic module MHD**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
451	**Heating circuit n°2 – Wired or wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
601	**If DHW by separate storage tank: Hydraulic module for DHW MHP with charging pump and DHW thermostat DHW thermostat only in the case of an existing and retained DHW charging pump**			
>	MHP	211	**900 444**	**468**
>	MHP-FM		**900 498**	**603**
>	DHW thermostat		**900 549**	**93**
621	**Choice of DHW tank according to capacity (Note: only if the chosen boiler model is without integrated DHW. E.g.: Optitherm xx C-F30D)**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
631	**Thermostatic mixing valve strongly recommended for models with integrated DHW tank**			
>	Thermostatic mixing valve	207	**990 713**	**106**

Low-temperature bio-oil boilers WITHOUT Duotherm and WITHOUT circulating pump

Optitherm without Duotherm

Bio-oil
Biofuel

kW **24 or 32 kW**

Heating only
Heating + domestic hot water by stainless steel tank of 90 or 150 L

Chimney or Room-sealed

Warranty 10 years Boiler body

Chimney version: Given the high performance of PERGE boilers, it is essential to line the flue with 316 stainless steel in compliance with current regulations.
Material for room-sealed connection: the flue duct must be made of 316L stainless steel.
Room-sealed version – Maximum connection distance:
- **Horizontal flue type C13:** 1 × 90° elbow + 3 × 1 m lengths (maximum 1 m horizontal) + C13 terminal
- **Flue type C33**: 4 × 1 m lengths + C33 terminal
- **Flue type B22/B23 or B32/B33**: 1 × 90° elbow + 1 adapter + 1 × 90° tee + 12 m

Flue diameter greater than or equal to 125 mm beyond 6 m.
In the case of B32/B33, minimum chimney section: 14 cm side.

Equipment available on all models:

- Heating body allowing operation without mixing valve, with no limitation on return temperature, and no risk of dew point.
- 2 heating circuits with identical temperature (ideal for coupling with another boiler).
- Control and command panel.

Bio-oil burner: FE24-Bio30 / FE32-Bio30 low-NOx burner using Bio-oil with up to 100% rapeseed FAME.

- **Casing and reinforced insulation.**

V: Room-sealed combustion chamber for horizontal, vertical or split flue connection

Domestic hot water:

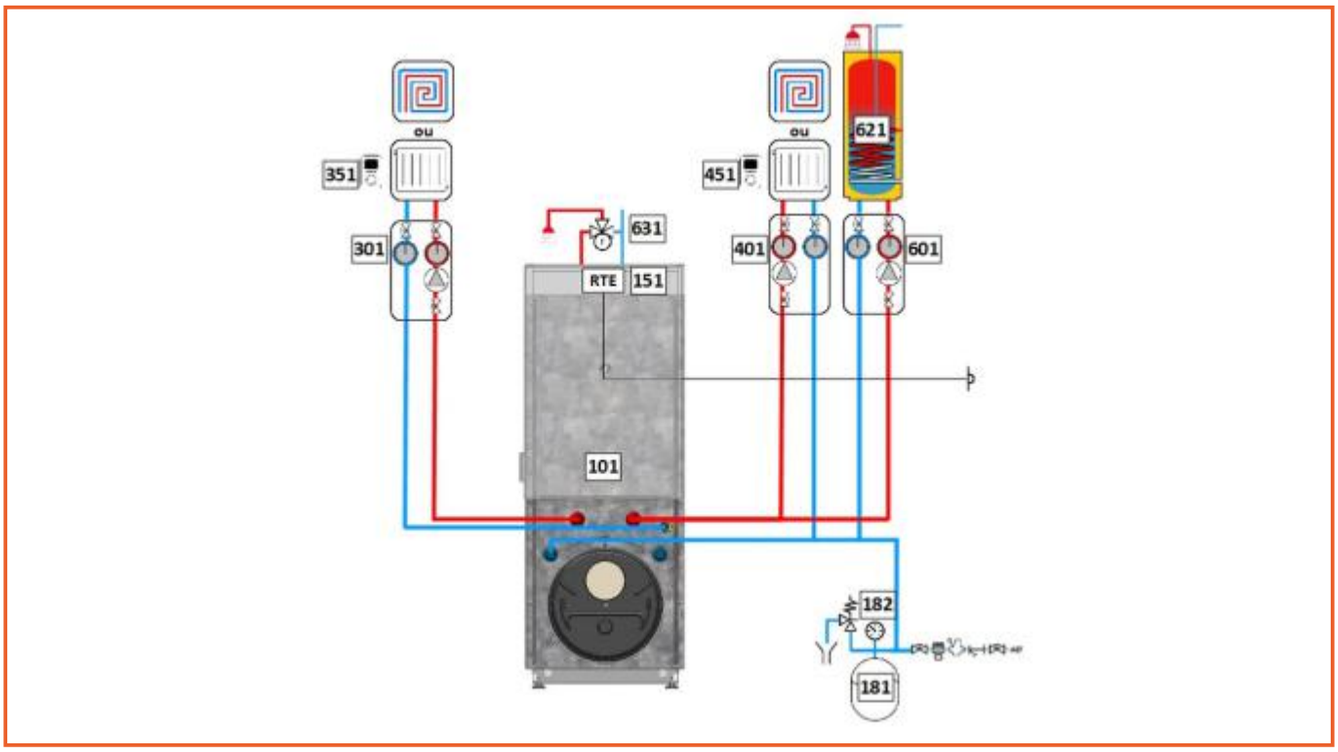
C: Heating only

B: Heating and DHW production by stainless steel tank of 90 litres (B90) or 150 litres (B150)

Designation Optitherm	kW	DHW Inox	RTE3 TH4	SEER	Ref	€ Excl. tax
Bio-oil – chimney						
24 C-F30	24	/	O	86,3	916 010	3 590
32 C-F30	32	/	O	86,9	916 011	4 090
24 B90-F30	24	90 L	O	86,2	916 012	5 190
24 B150-F30	24	150 L	O	86,2	916 013	5 590
32 B150-F30	32	150 L	O	86,9	916 014	6 090
Bio-oil – room-sealed						
24 C-F30V	24	/	O	86,3	916 110	4 090
32 C-F30V	32	/	O	86,9	916 111	4 590
24 B90-F30V	24	90 L	O	86,2	916 112	5 690
24 B150-F30V	24	150 L	O	86,2	916 113	6 090
32 B150-F30V	32	150 L	O	86,9	916 114	6 590

O *optional*

Optitherm WITHOUT Duotherm Oil – OPT06



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
	Bio-oil Chimney			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
>	Optitherm 24 B90-F30		**916 012**	**5 190**
>	Optitherm 24 B150-F30		**916 013**	**5 590**
>	Optitherm 32 B150-F30		**916 014**	**6 090**
	Bio-oil Room-sealed			
>	Optitherm 24 C-F30V	178	**916 110**	**4 090**
>	Optitherm 32 C-F30V		**916 111**	**4 590**
>	Optitherm 24 B90-F30V		**916 112**	**5 690**
>	Optitherm 24 B150-F30V		**916 113**	**6 090**
>	Optitherm 32 B150-F30V		**916 114**	**6 590**
151	**Choice of climate controller:** **- mandatory if underfloor heating** **- recommended to optimize consumption with radiators**			
>	RTE3	180	**900 132**	**390**
181	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
301	**Heating circuit n°1 – Hydraulic modules**			
>	MHD (if radiators)	210	**900 420**	**421**
>	MHD - FM		**900 494**	**557**
>	MH2X (if underfloor heating)		**900 493**	**541**
>	MH2X - FM (if underfloor heating)		**900 616**	**686**

N°	Designation	Page	Ref	€ Excl. tax
351	**Heating circuit n°1 – Wired or wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
401	**Heating circuit n°2 – Direct hydraulic module MHD**			
>	MHD (if radiators)	210	**900 420**	**421**
>	MHD - FM		**900 494**	**557**
>	MH2X (if underfloor heating)		**900 493**	**541**
>	MH2X - FM (if underfloor heating)		**900 616**	**686**
451	**Heating circuit n°2 – Wired or wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
601	**If DHW by separate storage tank:** **- Hydraulic module for DHW MHP with charging pump and DHW thermostat** **- DHW thermostat only in the case of an existing and retained DHW charging pump**			
>	MHP	211	**900 444**	**468**
>	MHP - FM		**900 498**	**603**
>	DHW thermostat		**900 549**	**93**
621	**Choice of DHW tank according to capacity** **(Note: only if the chosen boiler model is without integrated DHW. E.g.: Optitherm xx C-F30)**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**
631	**Thermostatic mixing valve strongly recommended for models with integrated DHW tank**			
>	Thermostatic mixing valve	207	**990 713**	**106**

Optitherm Connect: Specific optional equipment

Designation	Description	Ref	€ Excl. tax
Heating circuit			
MHS **MHS-FM**	**Hydraulic module without circulating pump (for circuit n°1 – circulating pump already fitted in the boiler)** More information on page 210	**900 445** **900 499**	**279** **424**
MHD **MHD-FM**	**Direct hydraulic module (for circuit n°2)** More information on page 210	**900 420** **900 494**	**421** **557**
MH2X **MH2X-FM**	**Direct hydraulic module (for a 2nd underfloor heating system on circuit n°2)** More information on page 210	**900 493** **900 616**	**541** **686**
DHW priority			
MHP RC7 **MHP RC7-FM**	**DHW priority hydraulic module for connected boiler** More information on page 211	**900 478** **900 613**	**452** **588**
DHW temperature sensor	**Temperature sensor for independent storage tank and existing charging pump.** Enables DHW priority control with RC7 regulation.	**992 041** (B)	**12**

Optitherm with Duotherm: Specific optional equipment

Designation	Description	Ref	€ Excl. tax
Heating circuit			
MHS **MHS-FM**	**Hydraulic module without circulating pump (for circuit n°1 – circulating pump already fitted in the boiler)** More information on page 210	**900 445** **900 499**	**279** **424**
MHD **MHD-FM**	**Direct hydraulic module (for circuit n°2)** More information on page 210	**900 420** **900 494**	**421** **557**
MH2X **MH2X-FM**	**Direct hydraulic module (for a 2nd underfloor heating system on circuit n°2)** More information on page 210	**900 493** **900 616**	**541** **686**

Optitherm without Duotherm: Specific optional equipment

Designation	Description	Ref	€ Excl. tax
Heating circuit			
MHD **MHD-FM**	**Direct hydraulic module (for circuit n°2)** More information on page 210	**900 420** **900 494**	**421** **557**
MH2X **MH2X-FM**	**Direct hydraulic module (for a 2nd underfloor heating system on circuit n°2)** More information on page 210	**900 493** **900 616**	**541** **686**
Internal hydraulic accessories			
Integrated kit C1 24	Circulating pump kit for integration in an Optitherm 24 without Duotherm	**900 133**	**349**
Integrated kit C1 32	Circulating pump kit for integration in an Optitherm 32 without Duotherm	**900 134**	**349**
Duotherm kit 24	Circulating pump + Duotherm kit to equip an Optitherm 24 without Duotherm	**900 439**	**450**
Duotherm kit 32	Circulating pump + Duotherm kit to equip an Optitherm 32 without Duotherm	**900 440**	**450**

Optitherm with or without Duotherm: Specific optional equipment

Designation	Description	Ref	€ Excl. tax
DHW priority			
MHP **MHP-FM**	**DHW priority hydraulic module** More information on page 211	**900 444** **900 498**	**468** **603**
DHW thermostat	**DHW thermostat for independent storage tank.** Supplied with box, wiring and connectors for electrical connection.	**900 549**	**93**
Room thermostat			
TH4-Wired	Class IV wired room thermostat with weekly programming. Possible action on circulating pump or burner.	**900 470**	**67**
TH4-Radio	Class IV radio room thermostat including a weekly programmable transmitter and a compact 868 MHz receiver. Possible action on circulating pump or burner.	**900 471**	**175**
Climate controller			
RTE3	Class III climate controller with burner action, including: controller with plug-in connector cable, flow sensor, outdoor sensor.	**900 132**	**390**

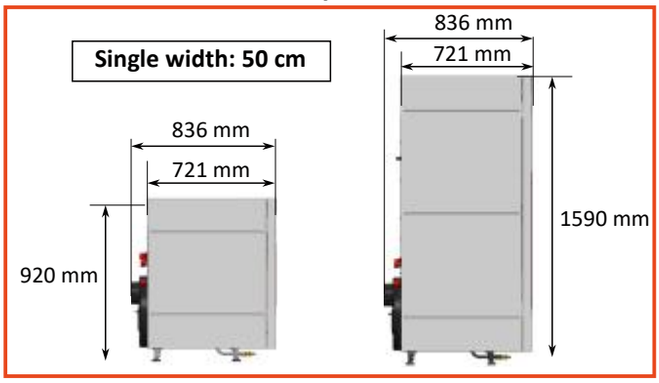
Other equipment

Description	Page	Description	Page	Description	Page
Expansion vessel and safety valve	**211**	**DHW storage tanks**	**209**	**Electric back-up heaters**	**209**

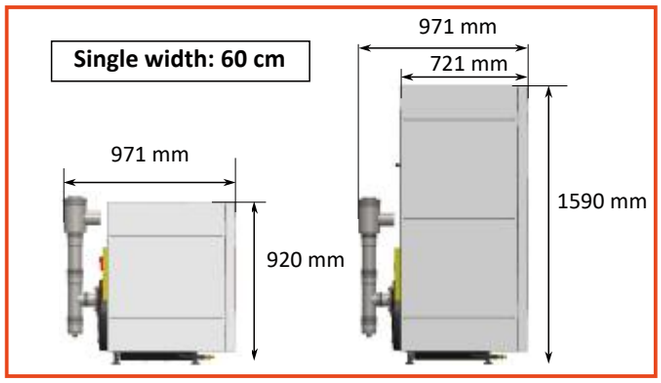
Technical and dimensional specifications

Model	24 C-F	32 C-F	24 B90-F	24 B150-F	32 B150-F
Nominal thermal output (kW)	24,6	33,8	24,6	24,6	33,8
Useful output P4 at 100% load and 80°/60° regime (kW)	23,5	32,1	23,5	23,5	32,1
Useful output P1 at 30% load and 37° return (kW)	7,1	9,6	7,1	7,1	9,6
Efficiency Eta4 at 100% load and 80°/60° regime (%)	95,5	95,1	95,5	95,5	95,1
Efficiency Eta1 at 30% load and 37° return (%)	97,1	97,3	97,1	97, 1	97,3
Auxiliary electricity consumption elmax at full load (W)	141	141	141	141	141
Auxiliary electricity consumption elmin at partial load (W)	49	49	49	49	49
Auxiliary electricity consumption PSB in standby mode (W)	1	1	1	1	1
Steady-state heat losses Pstby (W)	158	172	175	181	188
NOx emissions (mg/kWh)	110	104	110	110	104
Seasonal Energy Efficiency Etas (%) of the boiler	86,3	86,9	86,2	86,2	86,9
Heating Energy Efficiency Class without regulation (according to 813/2013)	**B**	**B**	**B**	**B**	**B**
DHW tank volume (l)	/	/	90	150	150
Declared load profile	/	/	XL	XL	XL
Daily electricity consumption Qelec (Wh)	/	/	0,19	0,16	0,20
Daily fuel consumption Qfuel (Wh)	/	/	24,52	24,62	27,50
Energy efficiency Etawh for water heating (%)	/	/	77,8	77,5	69,4
Sanitary Energy Efficiency Class	/	/	**B**	**B**	**B**
Flue outlet diameter (mm)	125	150	125	125	150
Room-sealed flue outlet diameter (mm)	80 / 125	80 / 125	80 / 125	80 / 125	80 / 125
Weight without packaging (kg)	148	158	200	210	220
Number of packages	1	1	1	1	1

Chimney version



Room-sealed version



Optitherm with or without Duotherm: Specific equipment – stainless steel room-sealed version

Designation	Description	Réf	€ Excl. tax
Vertical terminal	Vertical outlet, length 850 mm and diameter 80-125 stainless steel	**880 010**	**166**
Horizontal terminal	Adjustable horizontal outlet, diameter 80-125 stainless steel	**880 011**	**158**
LG 930mm	Straight element, length 930 mm, diameter 80-125 stainless steel	**880 020**	**101**
LG 375-510mm	Adjustable straight element, 375–510 mm, diameter 80-125 stainless steel	**880 023**	**101**
LG 425mm	Straight element, length 425 mm, diameter 80-125 stainless steel	**880 024**	**73**
LG 260mm	Straight element, length 260 mm, diameter 80-125 stainless steel	**880 025**	**64**
45° elbow	45° elbow, diameter 80-125 stainless steel	**880 040**	**92**
87° elbow	87° elbow, diameter 80-125 stainless steel	**880 043**	**101**
Condensate and measuring element	Condensate and measuring element, diameter 80-125 stainless steel	**880 051**	**122**
Drain plug	Drain plug, diameter 80-125 stainless steel	**880 061**	**39**
Finishing rosette	Finishing rosette, diameter 80-125 silicone	**880 113**	**8**
Finishing rosette	Finishing rosette, diameter 80-125 stainless steel	**880 130**	**31**
Roof flashing 30/45°	Roof flashing, 30/45° slope, diameter 80-125 stainless steel	**880 171**	**235**
Roof flashing 5/30°	Roof flashing, 5/30° slope, diameter 80-125 stainless steel	**880 181**	**235**
Flat roof flashing	Flat roof flashing, diameter 80-125 stainless steel	**880 191**	**233**
Sealing gasket	Sealing gasket for roof flashing collar, diameter 80-125 stainless steel	**880 902**	**9**
Wall bracket	Wall bracket, diameter 125	**843 086**	**36**
Union clamp	Union clamp, diameter 125	**843 070**	**9**

Optitherm boiler body without burner for identical replacement

With several thousand boilers installed, the Optitherm series offers all the guarantees of durability and reliability. As part of our maintenance and sustainable operation policy, we ensure the availability of spare parts and boiler bodies for these appliances sold many yearsago.

Description	Designation	kW	DHW Inox	Ref	€ Excl. tax
•Heating body allowing operation without mixing valve, with no limitation on return temperature, and no risk of dew point. •2 heating circuits with identical temperature (ideal for coupling with another boiler). •Control and command panel. •Casing and reinforced insulation. **Domestic hot water:** C: Heating only B: Heating and DHW production by stainless steel tank of 90 litres (B90) or 150 litres (B150)	**Optitherm 24 C boiler body**	**24**	**/**	**917 140**	**2 640**
	Optitherm 32 C boiler body	**32**	**/**	**917 141**	**3 140**
	Optitherm 24 B90 boiler body	**24**	**90 L**	**917 142**	**4 240**
	Optitherm 24 B150 boiler body	**24**	**150 L**	**917 143**	**4 640**
	Optitherm 32 B150 boiler body	**32**	**150 L**	**917 144**	**5 140**

OptiCondens boiler body without burner for identical replacement

With several thousand boilers installed, the OptiCondens series offers all the guarantees of durability and reliability. As part of our maintenance and sustainable operation policy, we ensure the availability of spare parts and boiler bodies for these appliances sold many yearsago.

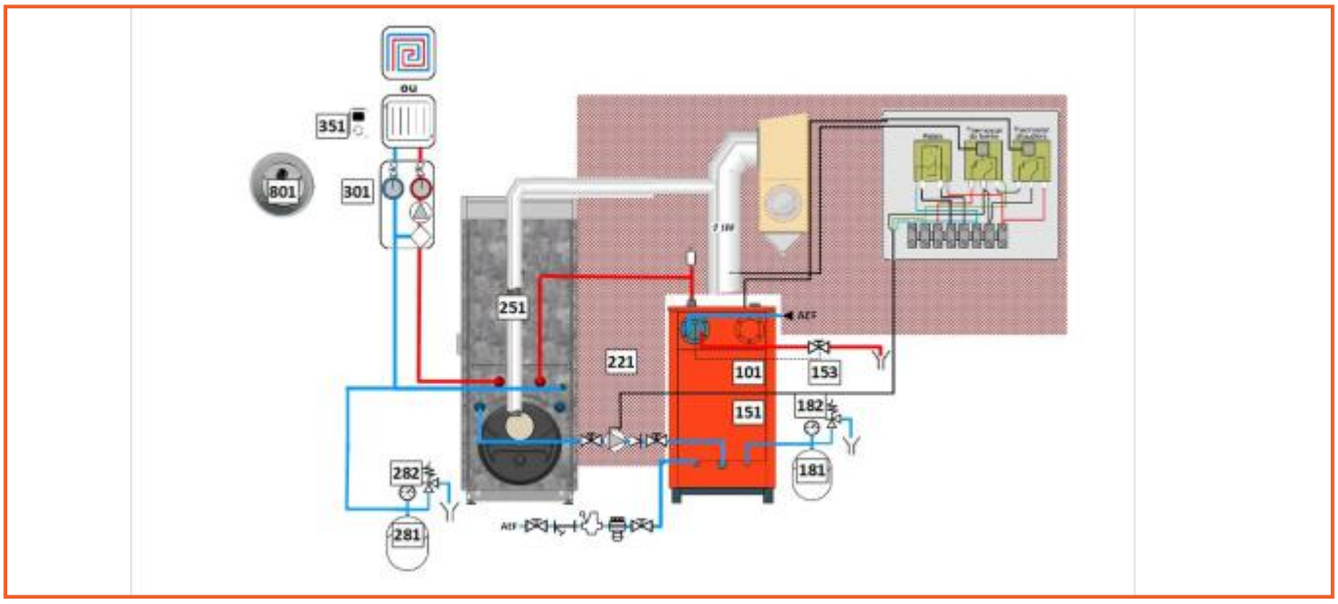
Description	Designation	kW	DHW Inox	Ref	€ Excl. tax
•Heating body allowing operation without mixing valve, with no limitation on return temperature, and no risk of dew point. •Tubular bundle condenser in stainless steel 904L •Circulating pump for circuit n°1 •Control and command panel •Casing with reinforced insulation **Domestic hot water:** C: Heating only B: Heating and DHW production by stainless steel tank of 90 litres (B90) or 150 litres (B150)	**OptiCondens 24 C boiler body**	**24**	**/**	**917 150**	**4 540**
	OptiCondens 32 C boiler body	**32**	**/**	**917 151**	**5 040**
	OptiCondens 24 B90 boiler body	**24**	**90 L**	**917 152**	**6 140**
	OptiCondens 24 B150 boiler body	**24**	**150 L**	**917 153**	**6 540**
	OptiCondens 32 B150 boiler body	**32**	**150 L**	**917 154**	**7 040**

Universal bio-oil burner for all boilers on the market

Designation	Description	Ref	€ Excl. tax
BIO-F30 16-40	Universal burner capable of operating with domestic heating oil or with a bio-oil containing up to 100% renewable energy. Can be installed on any oil-fired boiler on the market (low-temperature or condensing, chimney or room-sealed). Adjustable output from 16 to 40 kW.	**900 640**	**990**

Pricing support – Optitherm couplings – Table of contents

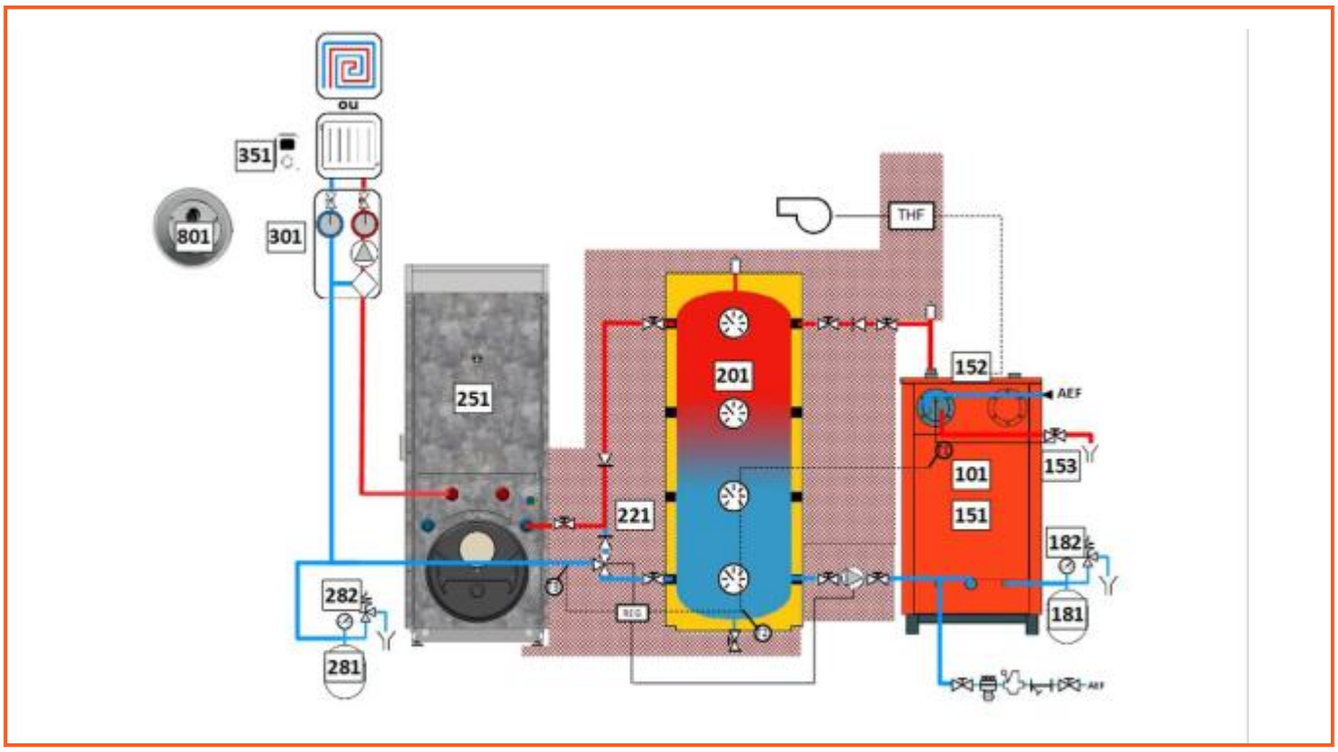
Optitherm coupled with an MC Classic – CMC01



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
>	MC 5.20 Classic	138	**715 000**	**4 480**
>	MC 5.30 Classic		**715 011**	**4 880**
151	**Choice of casing according to the selected boiler body**			
>	Casing MC 5.20 Classic	138	**902 028**	**396**
>	Casing MC 5.30 Classic		**902 031**	**491**
153	**Thermal safety valve**			
>	Thermal safety valve	142	**900 285**	**141**
181	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
221	**Coupling kit**			
>	MC–Oil coupling kit	142	**900 112**	**608**
251	**Choice of back-up boiler model according to output and DHW production**			
	Bio-oilChimney			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
>	Optitherm 24 B90-F30		**916 012**	**5 190**
>	Optitherm 24 B150-F30		**916 013**	**5 590**
>	Optitherm 32 B150-F30		**916 014**	**6 090**

N°	Designation	Page	Ref	€ Excl. tax
281	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Choice of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
301	**Heating circuit n°1 – Hydraulic module**			
>	MHM	210	**900 421**	**531**
>	MHM-FM		**900 495**	**642**
351	**Wired or wireless room thermostat with action on the back-up boiler burner**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
801	**Draught regulator**			
>	MT180, diameter 180 mm	212	**900 467**	**247**

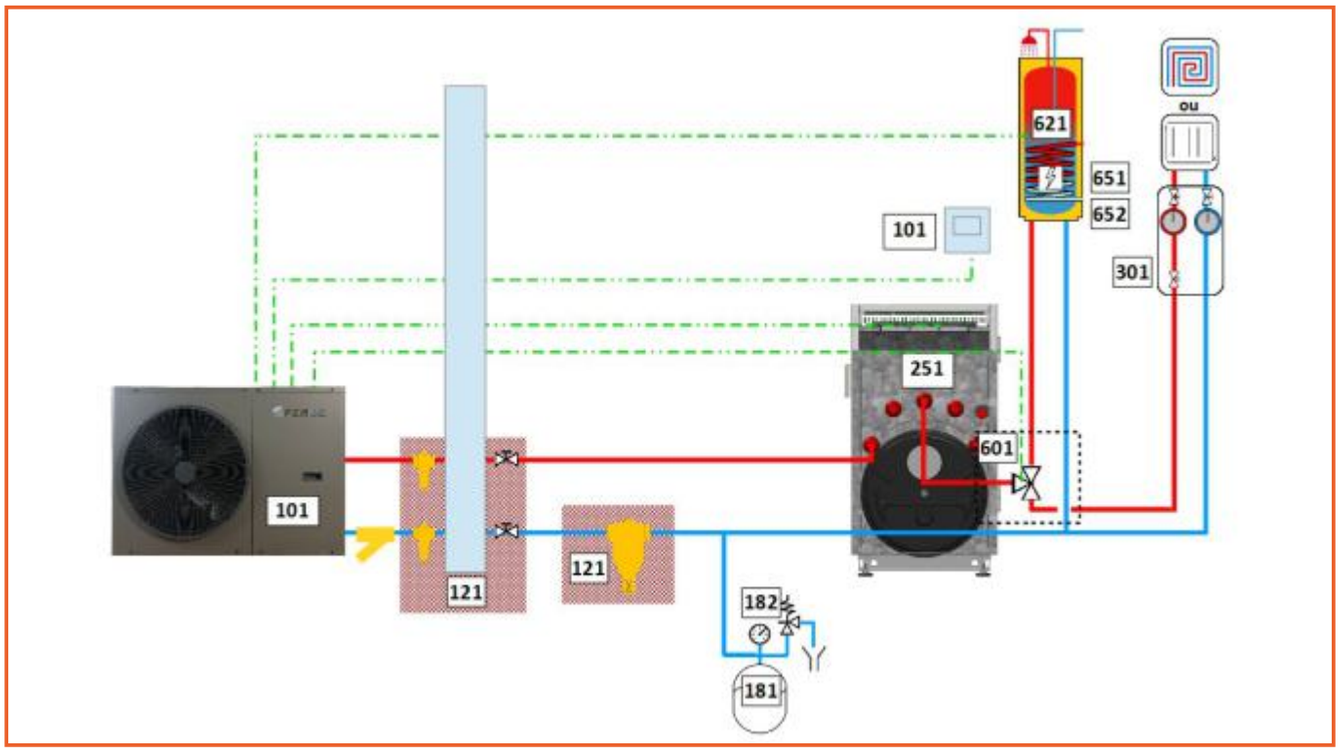
Optitherm coupled with an MC Classique with buffer tank – CMC02



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of boiler body according to output**			
>	MC 5.20 Classique	154	**715 000**	**4 480**
>	MC 5.30 Classique		**715 011**	**4 880**
>	MC 5.20 CI		**902 014**	**4 580**
>	MC 5.30 CI PF		**902 019**	**5 150**
>	MC 5.30 CI GF		**902 017**	**5 380**
151	**Choice of casing according to the selected boiler body**			
>	Casing MC 5.20 Classique	154	**902 028**	**396**
>	Casing MC 5.30 Classique		**902 031**	**491**
>	Casing MC 5.20, 5.30 CI PF		**902 015**	**492**
>	Casing MC 5.30 CI GF		**902 018**	**530**
152	**CI flue outlet**			
>	CI flue outlet	154	**902 016**	**126**
153	**Thermal safety valve**			
>	Thermal safety valve	158	**900 285**	**141**
181	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
201	**Choice of buffer tank**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Accessories for connecting MC boiler to buffer tank**			
>	MBF1C accessories – 1 flue duct	208	**900 401**	**1 566**
>	MBF2C accessories – 2 flue ducts		**900 402**	**1 443**

N°	Designation	Page	Ref	€ Excl. tax
251	**Choice of back-up boiler model according to output and DHW production**			
	Bio-oil Chimney			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
>	Optitherm 24 B90-F30		**916 012**	**5 190**
>	Optitherm 24 B150-F30		**916 013**	**5 590**
>	Optitherm 32 B150-F30		**916 014**	**6 090**
281	**Choice of expansion vessel according to capacity**			
>	35-litre expansion vessel	211	**900 366**	**109**
>	50-litre expansion vessel		**900 367**	**129**
>	80-litre expansion vessel		**900 625**	**219**
>	100-litre expansion vessel		**900 368**	**247**
>	200-litre expansion vessel		**900 369**	**431**
282	**Safety valve + pressure gauge mandatory on the installation**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
301	**Heating circuit n°1 – Hydraulic module**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Heating circuit n°1 – Wired or wireless room thermostat**			
>	TH4-Wired (if MHT)	212	**900 470**	**67**
>	TH4-Radio (if MHT		**900 471**	**175**
801	**Draught regulator**			
>	MT180, diameter 180 mm	212	**900 467**	**247**

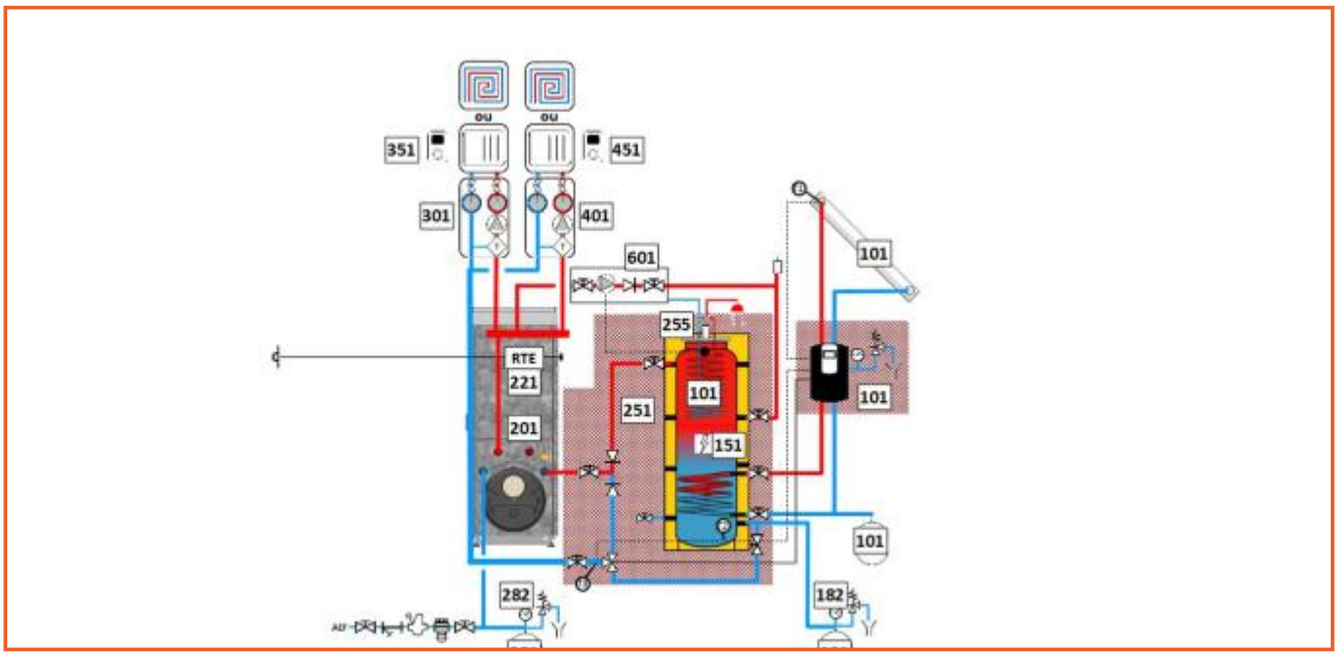
Optitherm coupled with an OptiPac MR32 heat pump – OPP51



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of heat pump model according to output**			
>	OptiPac MR32 4 single-phase -R	20	**920 020**	**3 690**
>	OptiPac MR32 6 single-phase -R		**920 021**	**3 990**
>	OptiPac MR32 8 single-phase -R		**920 022**	**4 390**
>	OptiPac MR32 10 single-phase -R		**920 023**	**4 990**
>	OptiPac MR32 12 single-phase -R		**920 024**	**5 790**
>	OptiPac MR32 14 single-phase -R		**920 025**	**6 690**
>	OptiPac MR32 16 single-phase -R		**920 026**	**6 990**
>	OptiPac MR32 12 three-phase -R		**920 027**	**6 390**
>	OptiPac MR32 14 three-phase -R		**920 028**	**7 290**
>	OptiPac MR32 16 three-phase -R		**920 029**	**7 790**
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	20	**900 639**	**495**
181	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**

N°	Designation	Page	Ref	€ Excl. tax
251	**Choice of boiler model according to output**			
>	Optitherm 24 C-F30	174	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
301	**Heating circuit n°1 – Direct hydraulic module MHS without circulating pump (integrated in heat pump)**			
>	MHS	210	**900 445**	**279**
351	**Choice of room thermostat type for circuit 1**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-R		**900 471**	**175**
601	**If DHW: zone valve mandatory**			
>	Zone valve	20	**990 839**	**164**
621	**Choice of DHW tank according to capacity**			
>	PE 200/1S Heat pump 200 l	209	**918 003**	**1 770**
>	PE 300/1S Heat pump 300 l		**918 004**	**2 470**
>	PE 150/1S - Grey 150 l		**900 479**	**1 435**
>	PE 200/1S - Grey 200 l		**900 475**	**1 576**
>	PE 300/1S - Grey 300 l		**900 606**	**1 762**
>	PE 500/1S - Grey 500 l		**900 624**	**2 236**

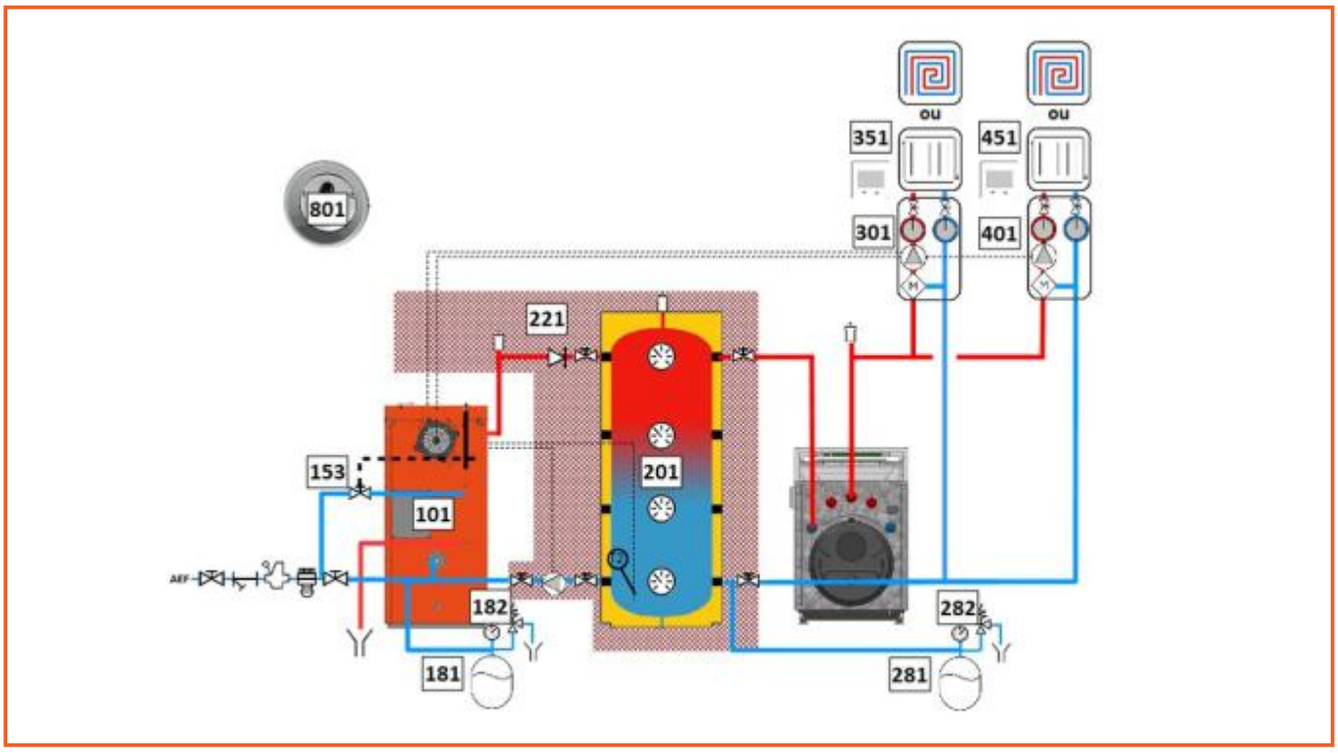
Optitherm + combisolar - SST06



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of CombiSolar model**			
	Roof-parallel heating only			
>	CombiSolar 1000 C-T	196	**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On chassis heating only			
>	CombiSolar 1000 C-S	196	**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**
	Roof-parallel heating + DHW			
>	CombiSolar 1000 B-T	196	**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On chassis heating + DHW			
>	CombiSolar 1000 B-S	196	**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
121	**Choice of solar connection**			
>	25 m stainless steel DN20 connection	196	**900 660**	**760**
151	**Choice of immersion heater according to output**			
>	TR30	209	**900 301**	**419**
>	TR45		**900 446**	**427**
>	TR60		**900 447**	**773**
181	**Choice of expansion vessel**			
>	35-litre expansion vessel	211	**900 366**	**109**
>	50-litre expansion vessel		**900 367**	**129**
>	80-litre expansion vessel		**900 625**	**219**
>	100-litre expansion vessel		**900 368**	**247**
>	200-litre expansion vessel		**900 369**	**431**
182	**Safety valve + pressure gauge mandatory on the installation**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
251	**Choice of back-up boiler model according to output and DHW production**			
	Bio-oil Chimney			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
>	Optitherm 24 B90-F30		**916 012**	**5 190**
>	Optitherm 24 B150-F30		**916 013**	**5 590**
>	Optitherm 32 B150-F30		**916 014**	**6 090**
	Bio-oil Room-sealed			
>	Optitherm 24 C-F30V	178	**916 110**	**4 090**
>	Optitherm 32 C-F30V		**916 111**	**4 590**
>	Optitherm 24 B90-F30V		**916 112**	**5 690**
>	Optitherm 24 B150-F30V		**916 113**	**6 090**
>	Optitherm 32 B150-F30V		**916 114**	**6 590**

N°	Designation	Page	Ref	€ Excl. tax
221	**Choice of climate controller (mandatory if underfloor heating)**			
>	RTE3	180	**900 132**	**390**
251	**Accessories for connecting a pellet boiler**			
>	SBF	208	**900 412**	**503**
255	**Sanitary thermostatic mixing valve**			
>	Thermostatic mixing valve 1/2 F 30–70 °C	207	**990 713**	**106**
281	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
301	**Heating circuit n°1**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Heating circuit n°1 – Wired or wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
401	**Heating circuit n°2**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Heating circuit n°2 – Wired or wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
601	**PECS**			
>	PECS	209	**902 658**	**340**

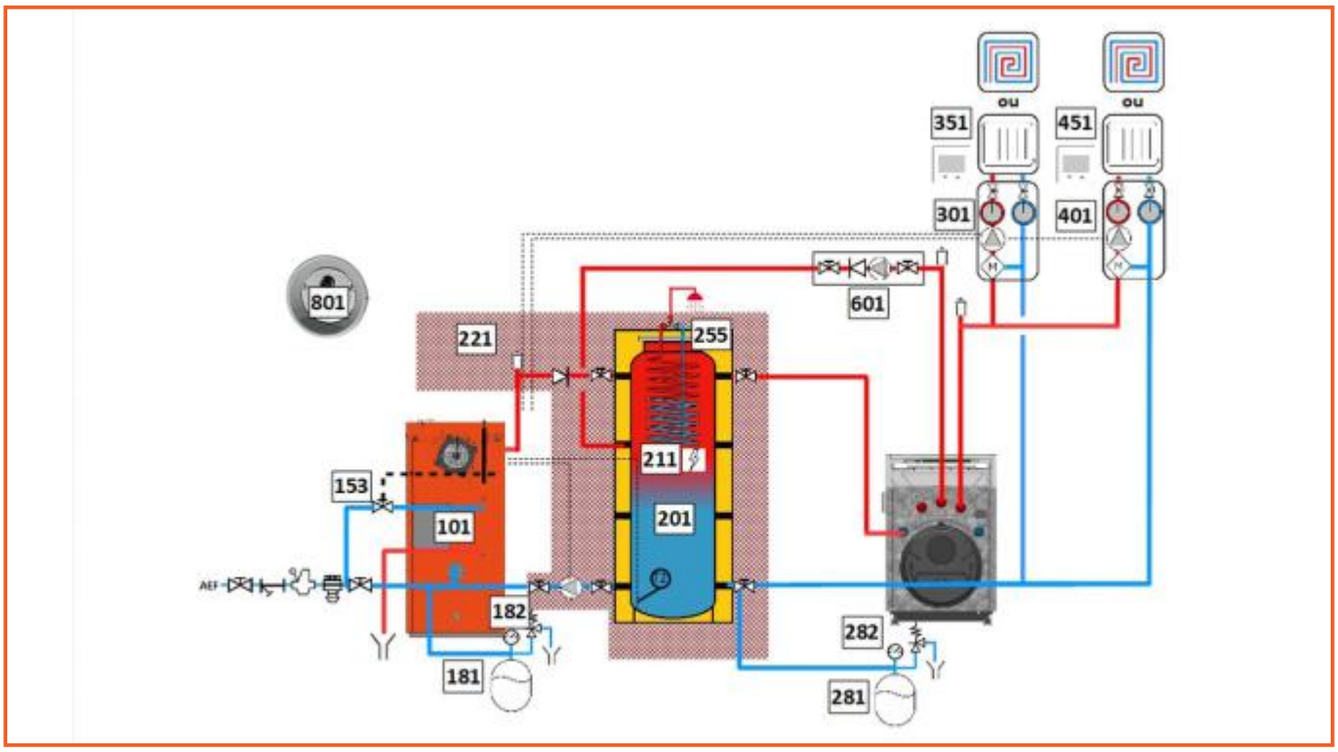
Optitherm coupled with a GFI with buffer tank – CGF01



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of boiler body according to output**			
>	GFI 15	128	**902 060**	**8 270**
>	GFI 20		**902 061**	**8 642**
>	GFI 25		**902 062**	**9 305**
>	GFI 30		**902 063**	**9 512**
>	GFI 40		**902 064**	**10 195**
153	**Thermal safety valve**			
>	Thermal safety valve	132	**900 285**	**141**
181	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
201	**Choice of buffer tank**			
>	BT 500	206	**900 292**	**1 327**
>	BT 800		**900 293**	**1 682**
>	BT 1000		**900 294**	**1 806**
>	BT 1500		**900 296**	**2 886**
221	**Accessories for connecting GFI boiler to buffer tank**			
>	GFIB	132	**900 488**	**456**
>	GFIB2		**900 489**	**677**
251	**Choice of back-up boiler model according to output**			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
281	**Choice of expansion vessel according to capacity**			
>	35-litre expansion vessel	211	**900 366**	**109**
>	50-litre expansion vessel		**900 367**	**129**
>	80-litre expansion vessel		**900 625**	**219**
>	100-litre expansion vessel		**900 368**	**247**
>	200-litre expansion vessel		**900 369**	**431**

N°	Designation	Page	Ref	€ Excl. tax
282	**Safety valve + pressure gauge mandatory on the installation**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
301	**Heating circuit n°1 – MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
351	**Heating circuit n°1 – Wireless room thermostat**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
401	**Heating circuit n°2 – MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
411	**Choice of surface-mounted sensor (mandatory)**			
>	SAP-GFI	132	**992 330**	**30**
451	**Heating circuit n°2 – Wireless room thermostat**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
801	**Draught regulator**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

Optitherm coupled with a GFI with BTM – CGF02



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of boiler body according to output**			
>	GFI 15	128	**902 060**	**8 270**
>	GFI 20		**902 061**	**8 642**
>	GFI 25		**902 062**	**9 305**
>	GFI 30		**902 063**	**9 512**
>	GFI 40		**902 064**	**10 195**
153	**Thermal safety valve**			
>	Thermal safety valve	132	**900 285**	**141**
181	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
201	**Choice of buffer tank**			
	Removable copper DHW coil			
>	BTM-SC 500	206	**900 580**	**2 536**
>	BTM-SC 800		**900 581**	**2 987**
>	BTM-SC 1000		**900 582**	**3 109**
>	BTM-SC 1500		**900 583**	**4 408**
>	BTM-SC 2000		**900 587**	**5 998**
	Stainless steel DHW coil			
>	BTM-SI 800	206	**900 309**	**2 987**
>	BTM-SI 1000		**900 310**	**3 109**
>	BTM-SI 1500		**900 316**	**4 408**
211	**Choice of immersion heater according to output and type of electrical supply**			
>	TR30 - 3,0 kW single-phase	209	**900 301**	**419**
>	TR45 - 4,5 kW single-phase		**900 446**	**427**
>	TR60 - 6,0 kW single-phase		**900 447**	**773**
>	TR30 - 3,0 kW three-phase		**900 555**	**490**
>	TR45 - 4,5 kW three-phase		**900 448**	**543**
>	TR60 - 6,0 kW three-phase		**900 449**	**559**
221	**Accessories for connecting GFI boiler to buffer tank**			
>	GFIB	132	**900 488**	**456**
>	GFIB2		**900 489**	**677**

N°	Designation	Page	Ref	€ Excl. tax
251	**Choice of back-up boiler model according to output**			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
255	**Sanitary thermostatic mixing valve**			
>	Thermostatic mixing valve 1/2 F 30–70 °C	207	**990 713**	**106**
281	**Choice of expansion vessel according to capacity**			
>	35-litre expansion vessel	211	**900 366**	**109**
>	50-litre expansion vessel		**900 367**	**129**
>	80-litre expansion vessel		**900 625**	**219**
>	100-litre expansion vessel		**900 368**	**247**
>	200-litre expansion vessel		**900 369**	**431**
282	**Safety valve + pressure gauge mandatory on the installation**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
301	**Heating circuit n°1 – MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
351	**Heating circuit n°1 – Wireless room thermostat**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
401	**Heating circuit n°2 – MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
411	**Choice of surface-mounted sensor (mandatory)**			
>	SAP-GFI	132	**992 330**	**30**
451	**Heating circuit n°2 – Wireless room thermostat**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
601	**PECS**			
>	PECS	209	**902 658**	**340**
801	**Draught regulator**			
>	MT150, diameter 150 mm	211	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

Medium output low-temperature bio-oil boilers

Optitherm DUO

Bio-oil
Biofuel

48, 56 or 64 kW
Cascade up to 384 kW

Heating only Heating + domestic hot water via external DHW tank

Chimney

Warranty 10 years Boiler body

Chimney version: Given the high performance of PERGE boilers, it is essential to line the flue with 316 stainless steel in compliance with current regulations.

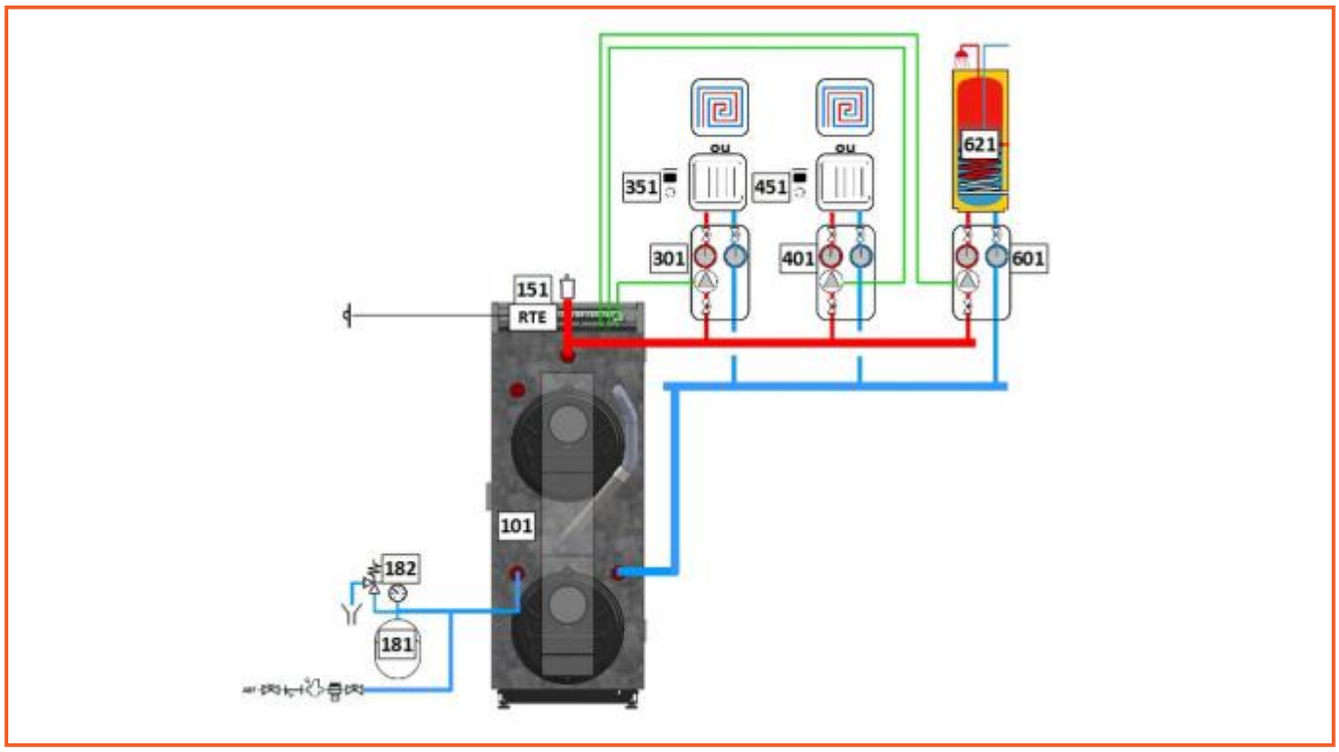
Description	Designation Optitherm	kW	ECS Externe	RTE3 TH4	Etas	Ref	€ Excl. tax
Equipment available on all models: - 2 heating bodies in series allowing operation without mixing valve, with no limitation on return temperature, and no risk of dew point. **>2 Bio-oil burners**: FE24-Bio30 / FE32-Bio30 low-NOx burner using Bio-oil with up to 100% rapeseed FAME. - Casing and reinforced insulation **Domestic hot water:** DHW production is provided by independent external DHW tanks. The control panel includes a contact for DHW priority.	**Bio-oil – chimney**						
	24 + 24 C-F30	**48**	O	O	**86,3**	**916 015**	**6 690**
	24 + 32 C-F30	**56**	O	O	**86,9**	**916 016**	**7 190**
	32 + 32 C-F30	**64**	O	O	**86,2**	**916 017**	**7 590**

O *optional*

Optitherm Duo: Specific optional equipment

Designation	Description	Ref	€ Excl. tax
Climate controller without cascade – heating only			
RTE3	Class III climate controller with burner action, including: controller with plug-in connector cable, flow sensor, outdoor sensor.	**900 132**	**390**
Climate controller + Cascade – heating only			
	Electrical equipment of the cabinet:1 main circuit breaker,1 circuit breaker for the controller,1 circuit breaker per boiler,1 circuit breaker per primary circulating pump,1 circuit breaker for heating circuit,1 climate controller with outdoor sensor and flow sensor,1 cascade controller,1 switching relay per circulating pump,1 connection terminal block for inputs and outputs		
Cascade cabinet 1x2 CR	1 Optitherm Duo. The 2 burners of each boiler are started in cascade	**900 831**	**2 270**
Cascade cabinet 2x2 CR	2 Optitherm Duo. The 2 burners of each boiler are started in cascade	**900 832**	**3 030**
Cascade cabinet 3x2 CR	3 Optitherm Duo. The 2 burners of each boiler are started in cascade	**900 833**	**3 720**
Cascade cabinet 4x1 CR	4 Optitherm Duo. The 2 burners of each boiler are started simultaneously	**900 834**	**3 510**
Cascade cabinet 5x1 CR	5 Optitherm Duo. The 2 burners of each boiler are started simultaneously	**900 835**	**3 890**
Cascade cabinet 6x1 CR	6 Optitherm Duo. The 2 burners of each boiler are started simultaneously	**900 836**	**4 270**
Climate controller + Cascade – Heating + DHW production			
	Electrical equipment of the cabinet: 1 main circuit breaker, 1 circuit breaker for the controller, 1 circuit breaker per boiler, 1 circuit breaker per primary circulating pump, 1 circuit breaker for heating circuit, 1 circuit breaker for DHW charging pump, 1 climate controller with outdoor sensor, flow sensor and DHW sensor, 1 cascade controller, 1 switching relay per circulating pump, 1 connection terminal block for inputs and outputs.		
Cascade cabinet 1x2 BRD	1 Optitherm Duo. The 2 burners of each boiler are started in cascade	**900 861**	**2 460**
Cascade cabinet 2x2 BRD	2 Optitherm Duo. The 2 burners of each boiler are started in cascade	**900 862**	**3 160**
Cascade cabinet 3x2 BRD	3 Optitherm Duo. The 2 burners of each boiler are started in cascade	**900 863**	**3 850**
Cascade cabinet 4x1 BRD	4 Optitherm Duo. The 2 burners of each boiler are started simultaneously	**900 864**	**3 630**
Cascade cabinet 5x1 BRD	5 Optitherm Duo. The 2 burners of each boiler are started simultaneously	**900 865**	**3 970**
Cascade cabinet 6x1 BRD	6 Optitherm Duo. The 2 burners of each boiler are started simultaneously	**900 866**	**4 420**

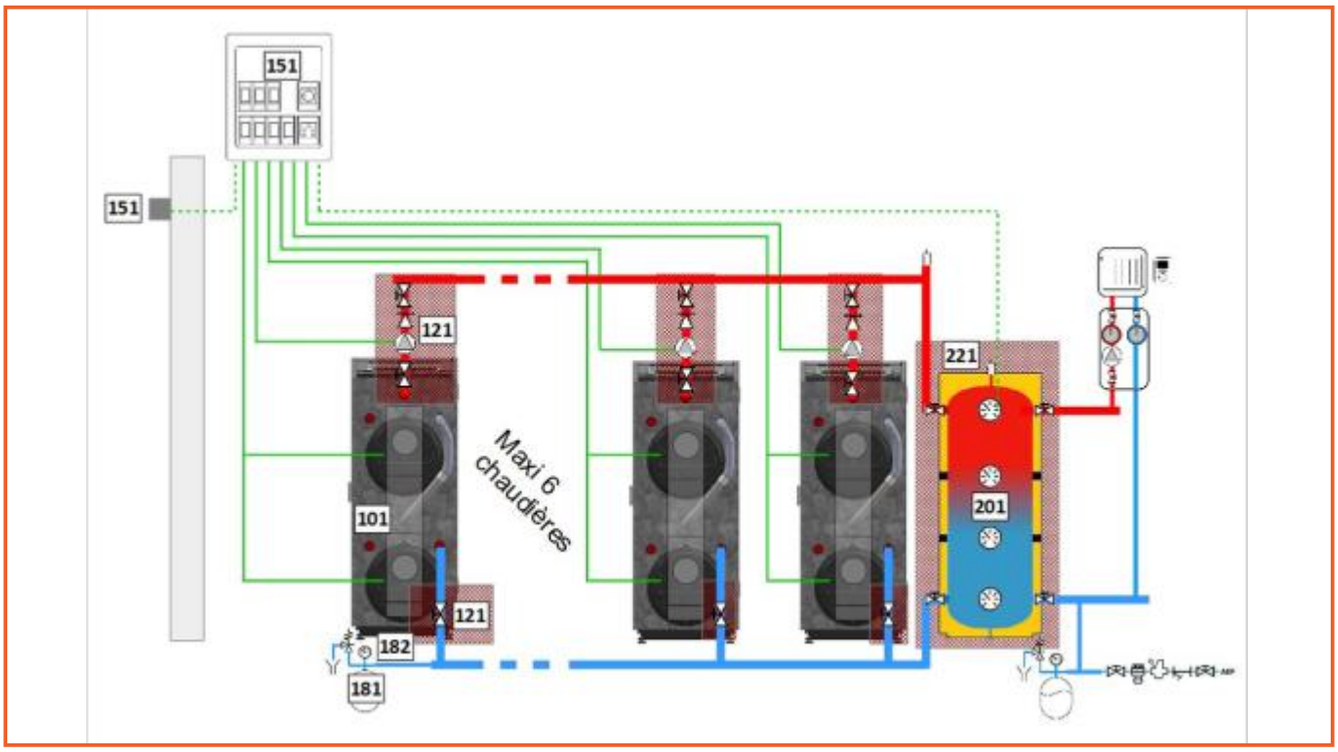
Optitherm DUO only – OPT21



N°	Designation	Page	Ref	€ Excl. tax
101	**Boiler model selection based on required output**			
	Bio-oil Chimney			
>	Optitherm 24+24 C-F30	190	**916 015**	**6 690**
>	Optitherm 24+32 C-F30		**916 016**	**7 190**
>	Optitherm 32+32 C-F30		**916 017**	**7 590**
151	**Choice of climate controller: - mandatory if underfloor heating - recommended to optimize consumption with radiators**			
>	RTE3 controller	194	**900 132**	**390**
181	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
301	**Heating circuit n°1 – Direct hydraulic module MHS**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
>	MH2X (if 2 circuits at different temperatures)		**900 493**	**541**
>	MH2X-FM (if 2 circuits at different temperatures)		**900 616**	**686**
351	**Heating circuit n°1 – Wired or wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**

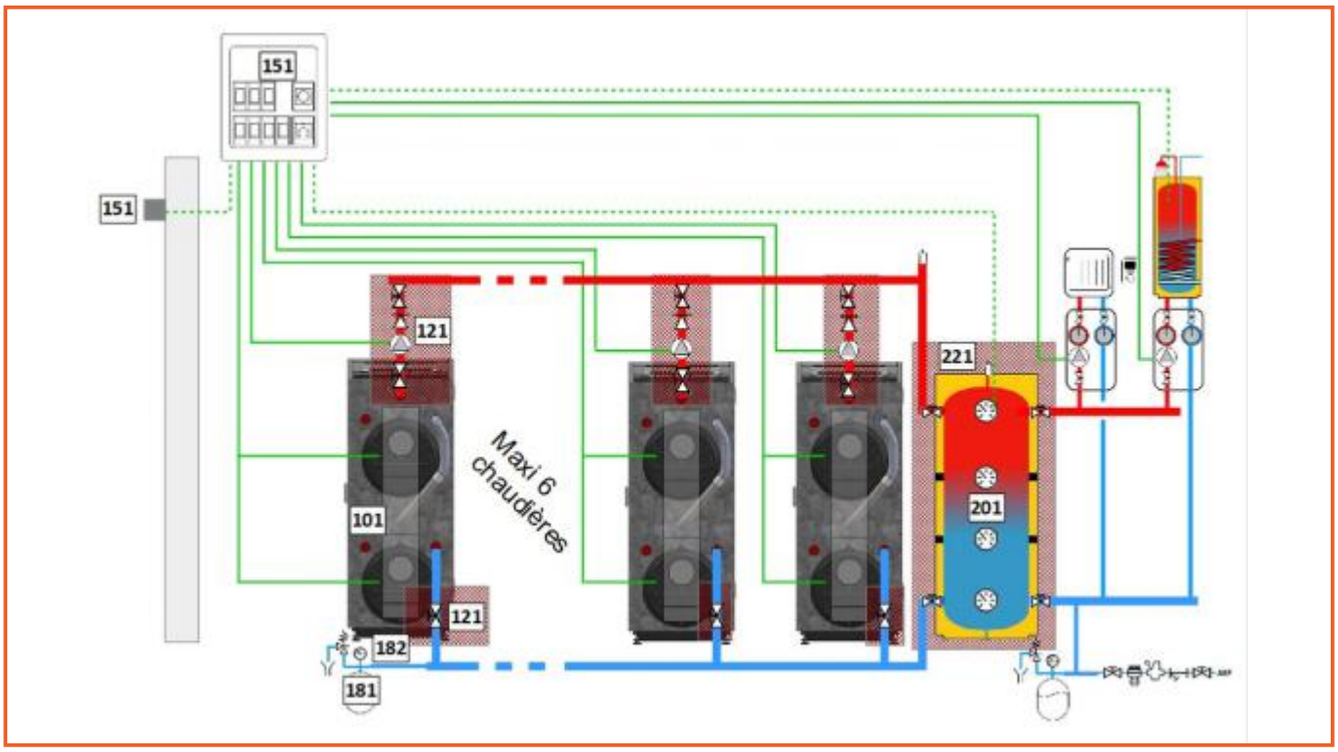
N°	Designation	Page	Ref	€ Excl. tax
401	**If heating circuit n°2 – Choice of hydraulic module**			
>	MHD	210	**900 420**	**421**
>	MHD-FM		**900 494**	**557**
>	MH2X (if 2 circuits at different temperatures)		**900 493**	**541**
>	MH2X-FM (if 2 circuits at different temperatures)		**900 616**	**686**
451	**If heating circuit n°2 – Wired or wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
601	**If DHW by separate storage tank: - Hydraulic module for DHW MHP with electronic circulating pump and DHW thermostat - DHW thermostat only in the case of an existing and retained DHW charging pump**			
>	MHP	211	**900 444**	**468**
>	MHP - FM		**900 498**	**603**
>	DHW thermostat		**900 549**	**93**
621	**Choice of DHW tank according to capacity (Note: only if the chosen boiler model is without integrated DHW. E.g.: Optitherm xx C-F30)**			
>	PE 150/1S - Grey	209	**900 479**	**1 435**
>	PE 200/1S - Grey		**900 475**	**1 576**
>	PE 300/1S - Grey		**900 606**	**1 762**
>	PE 500/1S - Grey		**900 624**	**2 236**

Optitherm DUO in cascade heating only – OPT22



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of boiler model according to the required output**			
	Bio-oil Chimney			
>	Optitherm 24+24 C-F30	190	**916 015**	**6 690**
>	Optitherm 24+32 C-F30		**916 016**	**7 190**
>	Optitherm 32+32 C-F30		**916 017**	**7 590**
121	**DUO accessories kit**			
>	DUO accessories	194	**900 703**	**370**
151	**Choice of cascade cabinet according to the number of Optitherm Duo boilers**			
>	Cascade cabinet 1x2 CR	194	**900 831**	**2 270**
>	Cascade cabinet 2x2 CR		**900 832**	**3 030**
>	Cascade cabinet 3x2 CR		**900 833**	**3 720**
>	Cascade cabinet 4x1 CR		**900 834**	**3 510**
>	Cascade cabinet 5x1 CR		**900 835**	**3 890**
>	Cascade cabinet 6x1 CR		**900 836**	**4 270**
181	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
201	**Connection accessory for mixing bottle**			
>	BM 100 grey mixing bottle	206	**900 620**	**704**
>	BM 200		**900 622**	**882**
>	BM 300		**900 623**	**1 111**
221	**Connection accessory for mixing bottle** **- BM-3P for 100 and 200-litre mixing bottles** **- BM-4P for 300-litre mixing bottle**			
>	BM-3P accessories	206	**900 671**	**297**
>	BM-4P accessories		**900 672**	**331**

Optitherm DUO in cascade with heating + DHW – OPT23



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of boiler model according to the required output**			
	Bio-oil Chimney			
>	Optitherm 24+24 C-F30	190	**916 015**	**6 690**
>	Optitherm 24+32 C-F30		**916 016**	**7 190**
>	Optitherm 32+32 C-F30		**916 017**	**7 590**
121	**DUO accessories kit**			
>	DUO accessories	194	**900 703**	**370**
151	**Choice of cascade cabinet according to the number of Optitherm Duo boilers**			
>	Cascade cabinet 1x2 BRD	194	**900 861**	**2 460**
>	Cascade cabinet 2x2 BRD		**900 862**	**3 160**
>	Cascade cabinet 3x2 BRD		**900 863**	**3 850**
>	Cascade cabinet 4x1 BRD		**900 864**	**3 630**
>	Cascade cabinet 5x1 BRD		**900 865**	**3 970**
>	Cascade cabinet 6x1 BRD		**900 866**	**4 420**
181	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
182	**Selection of safety device**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
201	**Connection accessory for mixing bottle**			
>	BM 100 grey mixing bottle	206	**900 620**	**704**
>	BM 200		**900 622**	**882**
>	BM 300		**900 623**	**1 111**
221	**Connection accessory for mixing bottle** **- BM-3P for 100 and 200-litre mixing bottles** **- BM-4P for 300-litre mixing bottle**			
>	BM-3P accessories	206	**900 671**	**297**
>	BM-4P accessories		**900 672**	**331**

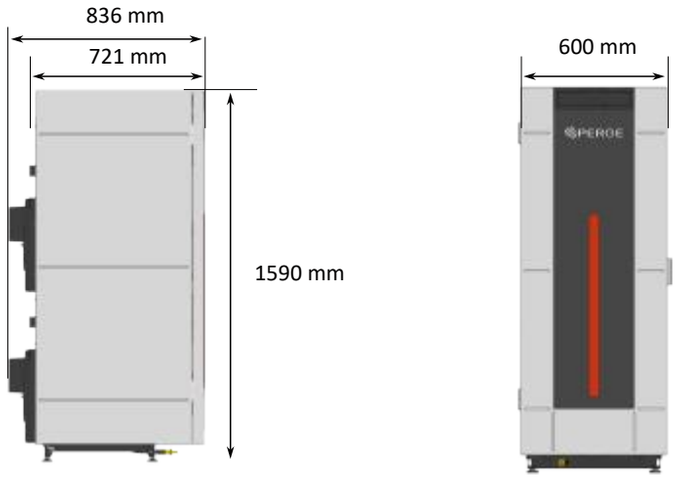
Optitherm DUO: Specific optional equipment

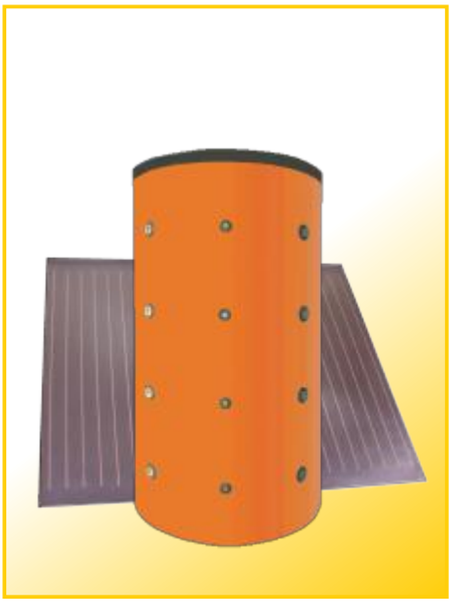
Designation	Description	Ref	€ Excl. tax
DUO accessories			
DUO accessories	Accessories for Optitherm Duo including 1 circulating pump, 1 non-return valve against thermosiphon effect, and 3 shut-off valves	**900 703**	**370**
DHW priority			
MHP **MHP-FM**	**DHW priority hydraulic module** More information on page 211	**900 444** **900 498**	**468** **603**
DHW thermostat	DHW thermostat for independent storage tank. Supplied with box, wiring and connectors for electrical connection.	**900 549**	**93**
Room thermostat			
TH4-Wired	Class IV wired room thermostat with weekly programming. Possible action on circulating pump or burner	**900 470**	**67**
TH4-Radio	Class IV radio room thermostat including a weekly programmable transmitter and a compact 868 MHz receiver. Possible action on circulating pump or burner.	**900 471**	**175**
Climate controller			
RTE3	Class III climate controller with burner action, including: controller with plug-in connector cable, flow sensor, outdoor sensor.	**900 132**	**390**
Climate controller + Cascade – Heating only			
Electrical cabinet for cascade operation in heating mode.The heating temperature is regulated in a mixing bottle according to the outdoor temperature.Electrical equipment of the cabinet:1 main circuit breaker, 1 circuit breaker for the controller, 1 circuit breaker per boiler, 1 circuit breaker per primary circulating pump, 1 circuit breaker for heating circuit, 1 climate controller with outdoor sensor and flow sensor, 1 cascade controller, 1 switching relay per circulating pump, 1 connection terminal block for inputs and outputs.			
Cascade cabinet 1x2 CR **Cascade cabinet 2x2 CR** **Cascade cabinet 3x2 CR** **Cascade cabinet 4x1 CR** **Cascade cabinet 5x1 CR** **Cascade cabinet 6x1 CR**	1 Optitherm Duo. The 2 burners of each boiler are started in cascade 2 Optitherm Duo. The 2 burners of each boiler are started in cascade 3 Optitherm Duo. The 2 burners of each boiler are started in cascade 4 Optitherm Duo. The 2 burners of each boiler are started simultaneously 5 Optitherm Duo. The 2 burners of each boiler are started simultaneously 6 Optitherm Duo. The 2 burners of each boiler are started simultaneously	**900 831** **900 832** **900 833** **900 834** **900 835** **900 836**	**2 270** **3 030** **3 720** **3 510** **3 890** **4 270**
Climate controller + Cascade – Heating + DHW production			
Electrical cabinet for cascade operation in heating mode + DHW priority.The heating temperature is regulated in a mixing bottle according to the outdoor temperature.Electrical equipment of the cabinet:1 main circuit breaker, 1 circuit breaker for the controller, 1 circuit breaker per boiler, 1 circuit breaker per primary circulating pump, 1 circuit breaker for heating circuit, 1 circuit breaker for DHW charging pump, 1 climate controller with outdoor sensor, flow sensor and DHW sensor, 1 cascade controller, 1 switching relay per circulating pump, 1 connection terminal block for inputs and outputs.			
Cascade cabinet 1x2 BRD **Cascade cabinet 2x2 BRD** **Cascade cabinet 3x2 BRD** **Cascade cabinet 4x1 BRD** **Cascade cabinet 5x1 BRD** **Cascade cabinet 6x1 BRD**	1 Optitherm Duo. The 2 burners of each boiler are started in cascade 2 Optitherm Duo. The 2 burners of each boiler are started in cascade 3 Optitherm Duo. The 2 burners of each boiler are started in cascade 4 Optitherm Duo. The 2 burners of each boiler are started simultaneously 5 Optitherm Duo. The 2 burners of each boiler are started simultaneously 6 Optitherm Duo. The 2 burners of each boiler are started simultaneously	**900 861** **900 862** **900 863** **900 864** **900 865** **900 866**	**2 460** **3 160** **3 850** **3 630** **3 970** **4 420**

Optitherm DUO electrical cabinet

Technical and dimensional specifications

Model	24+24 C-F30	24+32 C-F30	32+32 C-F30
Nominal thermal output (kW)	49,2	58,4	67,6
Boiler n°1			
Nominal thermal output (kW)	24,6	24,6	33,8
Useful output P4 at 100% load and 80°/60° regime (kW)	23,5	23,5	32,1
Useful output P1 at 30% load and 37° return (kW)	7,1	7,1	9,6
Efficiency Eta4 at 100% load and 80°/60° regime (%)	95,5	95,5	95,1
Efficiency Eta1 at 30% load and 37° return (%)	97,1	97, 1	97,3
Auxiliary electricity consumption elmax at full load (W)	141	141	141
Auxiliary electricity consumption elmin at partial load (W)	49	49	49
Auxiliary electricity consumption PSB in standby mode (W)	1	1	1
Steady-state heat losses Pstby (W)	175	181	188
NOx emissions (mg/kWh)	110	110	104
Seasonal Energy Efficiency Etas (%) of the boiler (*)	86,2	86,2	86,9
Heating Energy Efficiency Class without regulation (according to 813/2013)	**B**	**B**	**B**
Flue gas temperature (°C)	120	120	120
CO_2 rate (%)	12,5	12,5	12,5
Minimum draught (Pa)	5	5	5
Flue gas mass flow rate (g/s)	13,92	13,92	19,13
Boiler n°2			
Nominal thermal output (kW)	24,6	33,8	33,8
Useful output P4 at 100% load and 80°/60° regime (kW)	23,5	32,1	32,1
Useful output P1 at 30% load and 37° return (kW)	7,1	9,6	9,6
Efficiency Eta4 at 100% load and 80°/60° regime (%)	95,5	95,1	95,1
Efficiency Eta1 at 30% load and 37° return (%)	97,1	97,3	97,3
Auxiliary electricity consumption elmax at full load (W)	141	141	141
Auxiliary electricity consumption elmin at partial load (W)	49	49	49
Auxiliary electricity consumption PSB in standby mode (W)	1	1	1
Steady-state heat losses Pstby (W)	175	188	188
NOx emissions (mg/kWh)	110	104	104
Seasonal Energy Efficiency Etas (%) of the boiler	86,2	86,9	86,9
Heating Energy Efficiency Class without regulation (according to 813/2013)	**B**	**B**	**B**
Flue gas temperature (°C)	120	120	120
CO_2 rate (%)	12,5	12,5	12,5
Minimum draught (Pa)	5	5	5
Flue gas mass flow rate (g/s)	13,92	19,13	19,13
Flue outlet diameter (mm)	150	150	150
Weight without packaging (kg)	296	306	316
Number of packages	1	1	1





Combined solar systems

CombiSolar

Combined solar thermal systems
Hydro-accumulation volume from 500 to 1,500 litres
Heating only or Heating + DHW production
Ideal for coupling with a boiler, whether new or already installed.

Constituent elements

- C2500 D12c collectors (see specifications page 205)
- Profiled crossbars for roof-parallel installation or chassis for ground installation with tilt angle of 15°, 25°, 45°, 60°
- Solar transfer unit with circulating pump, safety valve and degassing
- Solar expansion vessel
- Ready-to-use heat transfer fluid
- Stratified hydro-accumulation tank with solar heat exchanger
- Removable copper DHW heat exchanger for combined models
- Solar controller for 1 or 2 collector zones and an auxiliary energy source
- Thermostatic mixing valve for models with DHW production

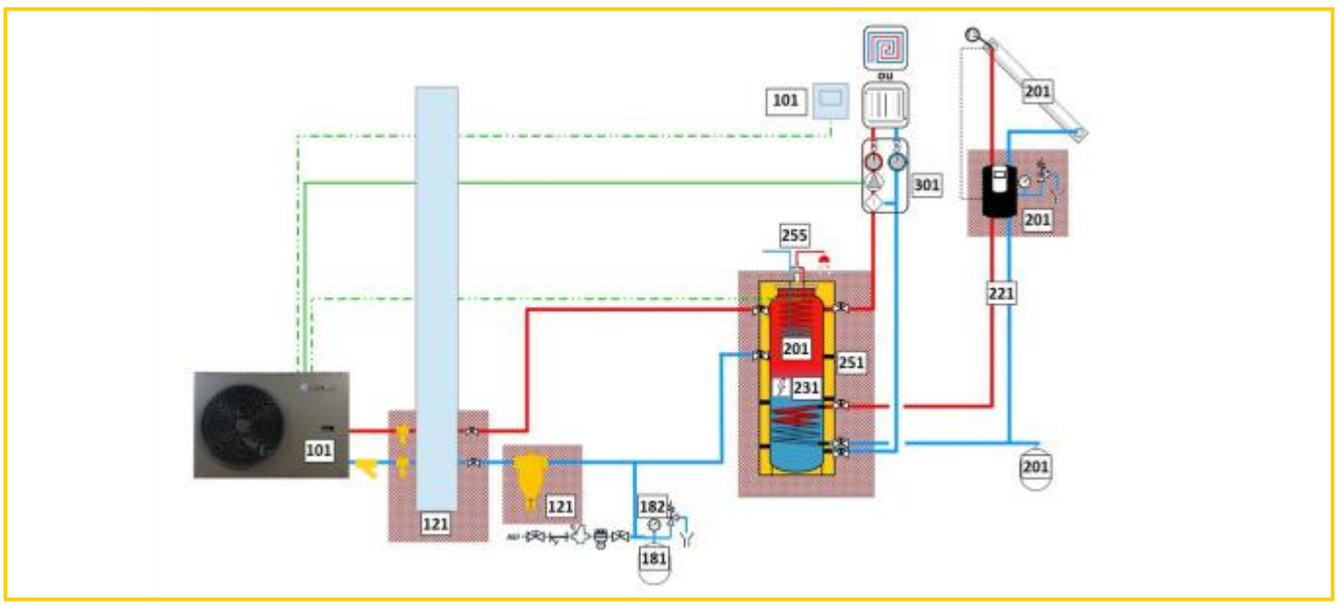
Designation	Number of collectors and inlet surface (m^2)	Collector mounting type	Solar expansion vessel volume (l)	Heat transfer fluid volume (l)	Total tank capacity (l)	DHW coil surface area (m^2)	Ref	€ Excl. tax
Heating only								
CombiSolar 500 C-T	2 / 4,6	Roof-parallel	18	20	500	/	**904 019**	**5 990**
CombiSolar 500 C-S	2 / 4,6	On chassis	18	20	500	/	**904 020**	**5 990**
CombiSolar 800 C-T	3 / 6,9	Roof-parallel	18	20	800	/	**904 017**	**7 594**
CombiSolar 800 C-S	3 / 6,9	On chassis	18	20	800	/	**904 018**	**7 594**
CombiSolar 1000 C-T	4 / 9,2	Roof-parallel	50	40	1000	/	**904 011**	**7 894**
CombiSolar 1000 C-S	4 / 9,2	On chassis	50	40	1000	/	**904 012**	**7 894**
CombiSolar 1500 C-T	6 / 13,8	Roof-parallel	50	40	1500	/	**904 015**	**11 241**
CombiSolar 1500 C-S	6 / 13,8	On chassis	50	40	1500	/	**904 016**	**11 241**
Heating and DHW production								
CombiSolar 500 B-T	2 / 4,6	Roof-parallel	18	20	500	2,2	**904 029**	**6 990**
CombiSolar 500 B-S	2 / 4,6	On chassis	18	20	500	2,2	**904 030**	**6 990**
CombiSolar 800 B-T	3 / 6,9	Roof-parallel	18	20	800	2,5	**904 027**	**8 944**
CombiSolar 800 B-S	3 / 6,9	On chassis	18	20	800	2,5	**904 028**	**8 944**
CombiSolar 1000 B-T	4 / 9,2	Roof-parallel	50	40	1000	3,0	**904 021**	**9 288**
CombiSolar 1000 B-S	4 / 9,2	On chassis	50	40	1000	3,0	**904 022**	**9 288**
CombiSolar 1500 B-T	6 / 13,8	Roof-parallel	50	40	1500	3,5	**904 025**	**12 561**
CombiSolar 1500 B-S	6 / 13,8	On chassis	50	40	1500	3,5	**904 026**	**12 561**

Optional equipment

Designation	Description	Ref	€ Excl. tax
25m stainless steel DN20 connection	Stainless steel DN25 flow/return piping, insulated, with sensor cable.20 m coil with 1" connection kit.	**900 660**	**760**
TR30	3 kW single-phase immersion heater for electric back-up (see page 209)	**900 301** (A)	**419**
TR45	4.5 kW single-phase immersion heater for electric back-up (see page 209)	**900 446** (A)	**427**
TR60	6 kW single-phase immersion heater for electric back-up (see page 209)	**900 447** (A)	**773**
Zone valve	In case of coupling CombiSolar with a boiler as back-up: zone valve for bypassing the hydro-accumulation tank if the heating return temperature is insufficient.	**990 839** (A)	**164**

Pricing support – CombiSolar couplings – Table of contents

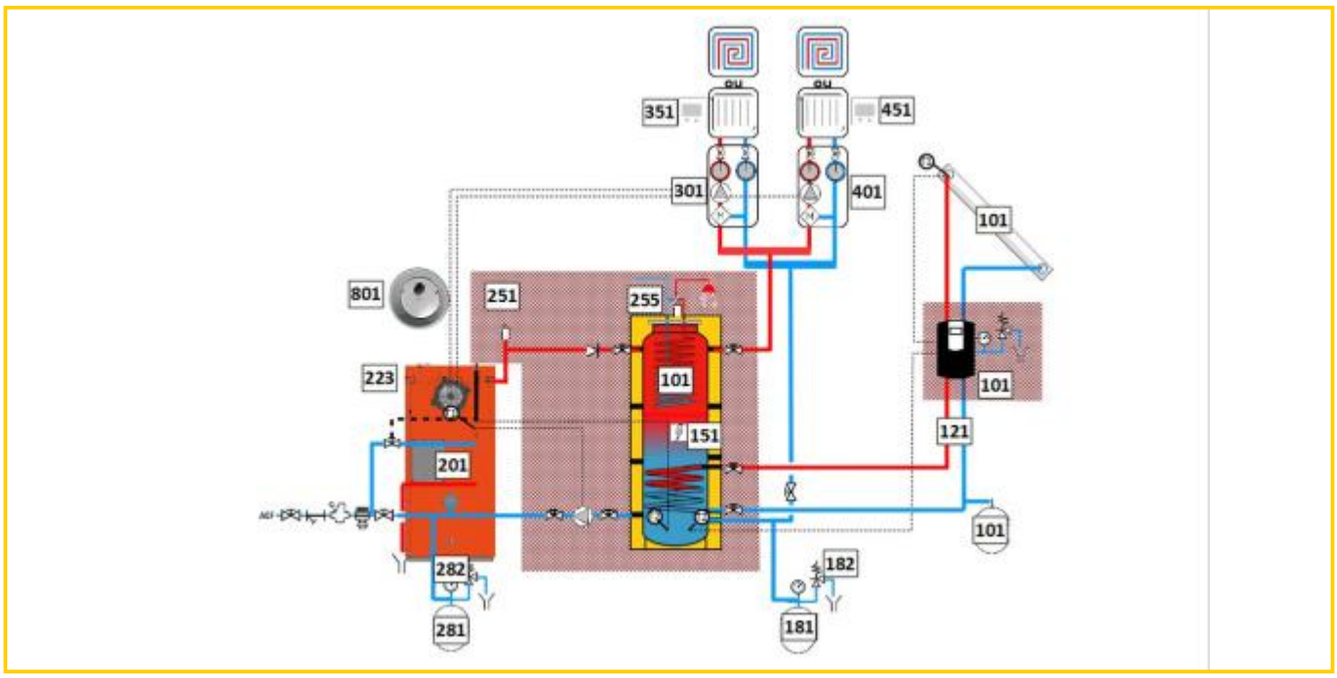
CombiSolar coupled with an OptiPac MR32 heat pump – OPP52



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of heat pump model according to output**			
>	OptiPac MR32 4 single-phase -R	20	920 020	3 690
>	OptiPac MR32 6 single-phase -R		920 021	3 990
>	OptiPac MR32 8 single-phase -R		920 022	4 390
>	OptiPac MR32 10 single-phase -R		920 023	4 990
>	OptiPac MR32 12 single-phase -R		920 024	5 790
>	OptiPac MR32 14 single-phase -R		920 025	6 690
>	OptiPac MR32 16 single-phase -R		920 026	6 990
>	OptiPac MR32 12 three-phase -R		920 027	6 390
>	OptiPac MR32 14 three-phase -R		920 028	7 290
>	OptiPac MR32 16 three-phase -R		920 029	7 790
121	**Outdoor unit protection kit (mandatory)**			
>	Outdoor unit protection kit	20	900 639	495
181	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	900 370	55
>	24-litre vessel		900 365	65
>	35-litre vessel		900 366	109
>	50-litre vessel		900 367	129
182	**Selection of safety device**			
>	Pressure gauge valve	211	900 404	23
>	PSRV bracket (for expansion vessel up to 35 litres)		900 564	97
201	**Choice of CombiSolar model**			
	Roof-parallel heating only			
>	CombiSolar 500 C-T	196	904 019	5 990
>	CombiSolar 800 C-T		904 017	7 594
>	CombiSolar 1000 C-T		904 011	7 894
>	CombiSolar 1500 C-T		904 015	11 241
	On chassis heating only			
>	CombiSolar 500 C-S	196	904 020	5 990
>	CombiSolar 800 C-S		904 018	7 594
>	CombiSolar 1000 C-S		904 012	7 894
>	CombiSolar 1500 C-S		904 016	11 241

N°	Designation	Page	Ref	€ Excl. tax
201	**Choice of CombiSolar model**			
	Roof-parallel heating + DHW			
>	CombiSolar 500 B-T	196	904 029	6 990
>	CombiSolar 800 B-T		904 027	8 944
>	CombiSolar 1000 B-T		904 021	9 288
>	CombiSolar 1500 B-T		904 025	12 561
	On chassis heating + DHW			
>	CombiSolar 500 B-S	196	904 030	6 990
>	CombiSolar 800 B-S		904 028	8 944
>	CombiSolar 1000 B-S		904 022	9 288
>	CombiSolar 1500 B-S		904 026	12 561
221	**Choice of solar connection**			
>	25 m stainless steel DN25 connection	196	900 660	760
231	**If mixed DHW with electric, choice of immersion heater according to output and type of electrical supply**			
>	TR30 - 3,0 kW single-phase	209	900 301	419
>	TR45 - 4,5 kW single-phase		900 446	427
>	TR60 - 6,0 kW single-phase		900 447	773
251	**Accessories for connecting a heat pump**			
>	SBP	208	900 683	327
255	**Sanitary thermostatic mixing valve**			
>	Mitigeur thermostatique 1/2 F 30-70 DEG	207	990 713	106
301	**Heating circuit**			
>	MHT 45/70	210	900 423	626
>	MHT 20/45		900 476	626

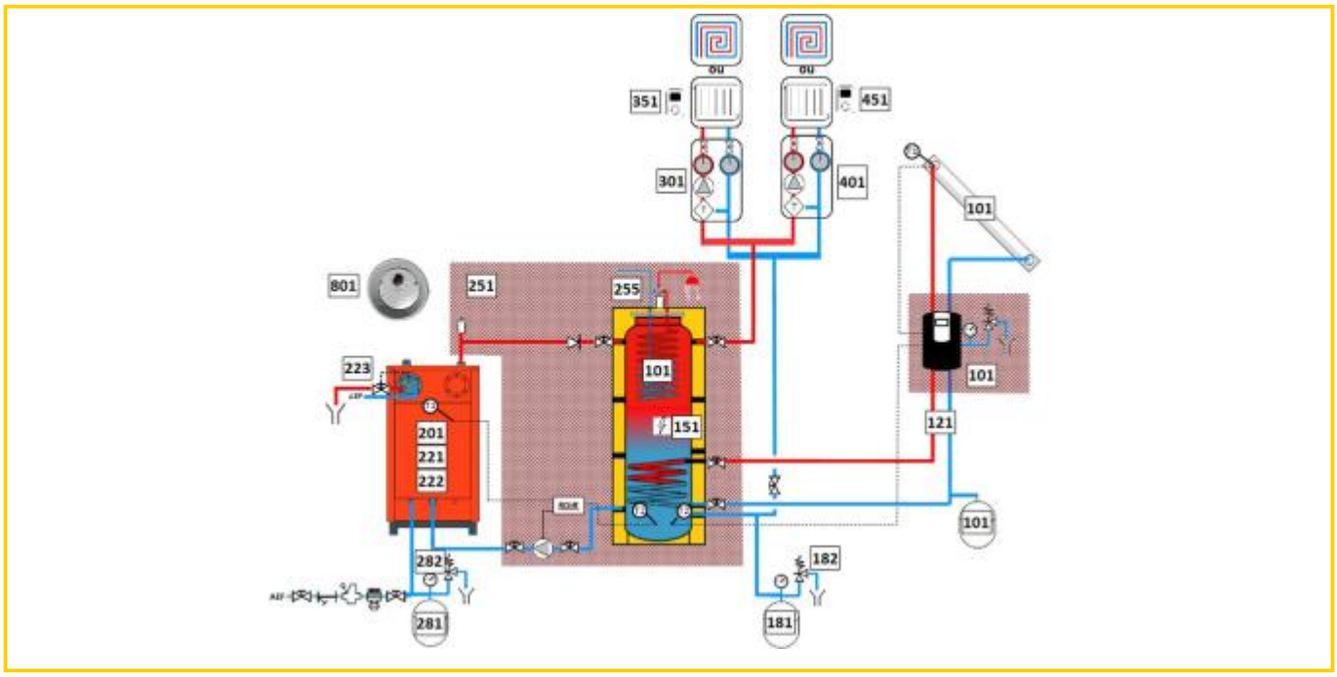
CombiSolar + GFI - SSG01



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of CombiSolar model**			
	Roof-parallel heating only			
>	CombiSolar 1000 C-T	196	**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On chassis heating only			
>	CombiSolar 1000 C-S	196	**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**
	Roof-parallel heating + DHW			
>	CombiSolar 1000 B-T	196	**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On chassis heating + DHW			
>	CombiSolar 1000 B-S	196	**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
121	**Choice of solar connection**			
>	25 m stainless steel DN25 connection	196	**900 660**	**760**
151	**Choice of immersion heater according to output**			
>	TR30	209	**900 301**	**419**
>	TR45		**900 446**	**427**
>	TR60		**900 447**	**773**
181	**Choice of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
182	**Safety valve + pressure gauge mandatory on the installation**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
201	**Choice of boiler body according to output**			
>	GFI 15	128	**902 060**	**8 270**
>	GFI 20		**902 061**	**8 642**
>	GFI 25		**902 062**	**9 305**
>	GFI 30		**902 063**	**9 512**
>	GFI 40		**902 064**	**10 195**

N°	Designation	Page	Ref	€ Excl. tax
223	**Thermal safety valve**			
>	Thermal safety valve	132	**900 285**	**141**
251	**Accessories for connecting GFI boiler to buffer tank**			
>	GFIB	132	**900 488**	**456**
255	**Sanitary thermostatic mixing valve**			
>	Thermostatic mixing valve 1/2 F 30–70 °C	207	**990 713**	**106**
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Choice of safety device**			
>	Safety valve + pressure gauge	211	**900 404**	**23**
>	PSRV bracket (maximum 35-litre vessel)		**900 564**	**97**
301	**Heating circuit n°1 – MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
351	**Heating circuit n°1 – Wireless room thermostat**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
401	**Heating circuit n°2 – MHR module**			
>	MHR	210	**900 422**	**654**
>	MHR-FM		**900 496**	**759**
411	**Choice of surface-mounted sensor (mandatory)**			
>	SAP-GFI	132	**992 330**	**30**
451	**Heating circuit n°2 – Wireless room thermostat**			
>	TA GFI - R Radio	132	**900 492**	**248**
>	TA GFI - R Radio with remote display		**900 491**	**476**
801	**Draught regulator**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

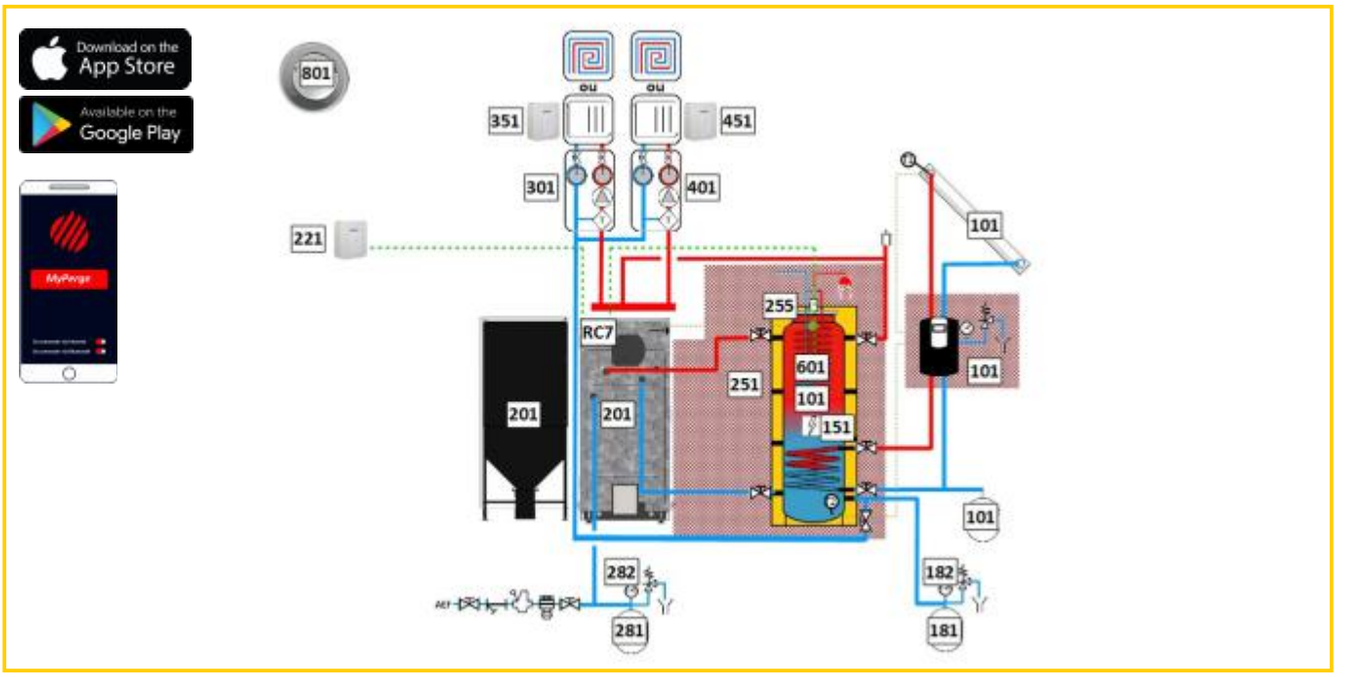
CombiSolar + MC - SSM01



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of CombiSolar model**			
	Roof-parallel heating only			
>	CombiSolar 1000 C-T	196	**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On chassis heating only			
>	CombiSolar 1000 C-S	196	**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**
	Roof-parallel heating + DHW			
>	CombiSolar 1000 B-T	196	**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On chassis heating + DHW			
>	CombiSolar 1000 B-S	196	**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
121	**Choice of solar connection**			
>	25 m stainless steel DN25 connection	196	**900 660**	**760**
151	**Choice of immersion heater according to output**			
>	TR30	209	**900 301**	**419**
>	TR45		**900 446**	**427**
>	TR60		**900 447**	**773**
181	**Choice of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
182	**Safety valve + pressure gauge mandatory on the installation**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
201	**Choice of boiler body according to output**			
>	MC 5.20 Classique	138	**715 000**	**4 480**
>	MC 5.30 Classique		**715 011**	**4 880**
>	MC 5.20 CI		**902 014**	**4 580**
>	MC 5.30 CI PF	154	**902 019**	**5 150**
>	MC 5.30 CI GF		**902 017**	**5 380**
221	**Choice of casing according to the selected boiler bod**			
>	MC 5.20 Classique casing	138	**902 028**	**396**
>	MC 5.30 Classique casing		**902 031**	**491**
>	MC 5.20 / 5.30 CI PF casing	154	**902 015**	**492**
>	MC 5.30 CI GF casing		**902 018**	**530**

N°	Designation	Page	Ref	€ Excl. tax
222	**CI flue outlet**			
>	CI flue outlet	154	**902 016**	**126**
223	**Thermal safety valve**			
>	Thermal safety valve	158	**900 285**	**141**
251	**Accessories for connecting a wood boiler**			
>	SBB	208	**900 419**	**1 033**
255	**Sanitary thermostatic mixing valve**			
>	Thermostatic mixing valve 1/2 F 30–70 °C	207	**990 713**	**106**
281	**Choice of expansion vessel according to capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Choice of safety device**			
>	Safety valve + pressure gauge	211	**900 404**	**23**
>	PSRV bracket (maximum 35-litre vessel)		**900 564**	**97**
301	**Heating circuit n°1**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Heating circuit n°1 – Wired or wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
401	**Heating circuit n°2**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Heating circuit n°2 – Wired or wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
801	**Draught regulator**			
>	MT180, diameter 180 mm	212	**900 467**	**247**

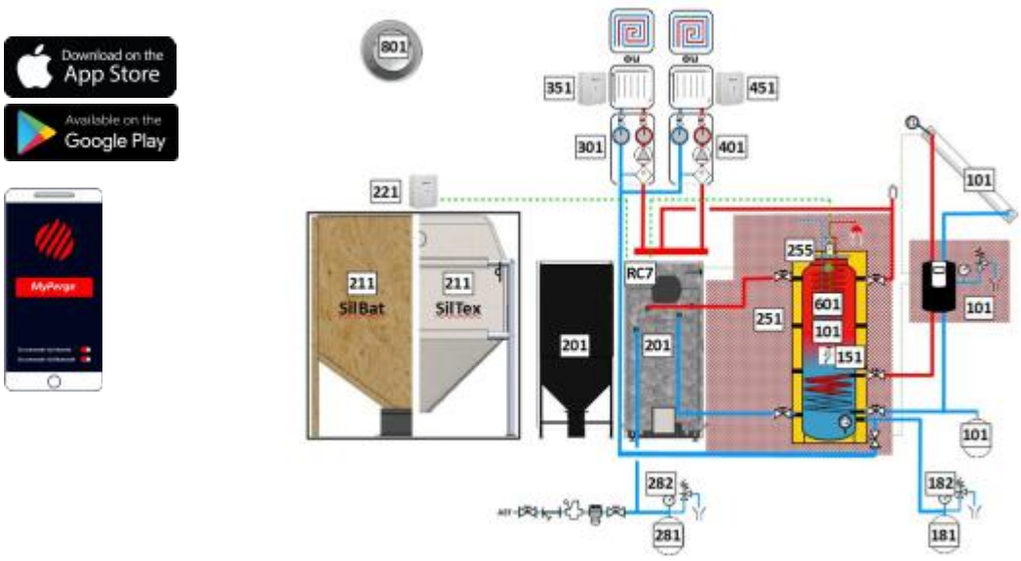
CombiSolar + OptiPellet Connect with MiniSilo – SSL11



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of CombiSolar model**			
	Roof-parallel heating only			
>	CombiSolar 1000 C-T	196	**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On chassis heating only			
>	CombiSolar 1000 C-S	196	**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**
	Roof-parallel heating + DHW			
>	CombiSolar 1000 B-T	196	**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On chassis heating + DHW			
>	CombiSolar 1000 B-S	196	**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
121	**Choice of solar connection**			
>	25 m stainless steel DN25 connection	196	**900 660**	**760**
151	**Choice of immersion heater according to output**			
>	TR30	209	**900 301**	**419**
>	TR45		**900 446**	**427**
>	TR60		**900 447**	**773**
181	**Choice of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
182	**Safety valve + pressure gauge mandatory on the installation**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
201	**Choice of boiler body according to output**			
>	OptiPellet 12 C-DRC7 Connect + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 Connect + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 Connect + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 Connect + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 Connect + MiniSilo		**902 854**	**12 180**
221	**Choice of outdoor sensor type (Wired or Wireless)**			
>	Outdoor sensor C+ -F	107	**900 600**	**60**
>	Outdoor sensor C+ -R		**900 601**	**115**
251	**Accessories for connecting a pellet boiler**			
>	SBF	208	**900 412**	**503**

N°	Designation	Page	Ref	€ Excl. tax
255	**Sanitary thermostatic mixing valve**			
>	Thermostatic mixing valve 1/2 F 30–70 °C	207	**990 713**	**106**
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Choice of safety device**			
>	Safety valve + pressure gauge	211	**900 404**	**23**
>	PSRV bracket (maximum 35-litre vessel)		**900 564**	**97**
301	**Heating circuit n°1**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory choice of room sensor type for circuit 1**			
>	Room sensor C+ -F	107	**900 602**	**60**
>	Outdoor/Room sensor C+ -R		**900 601**	**115**
>	Wired room sensor with button		**900 604**	**80**
>	Wireless room sensor with button		**900 605**	**138**
401	**Heating circuit n°2**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory choice of room sensor type for circuit 2**			
>	Room sensor C+ -F	107	**900 602**	**60**
>	Outdoor/Room sensor C+ -R		**900 601**	**115**
>	Wired room sensor with button		**900 604**	**80**
>	Wireless room sensor with button		**900 605**	**138**
601	**DHW sensor**			
>	DHW temperature sensor for Connect	116	**992 041**	**12**
801	**Draught regulator**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

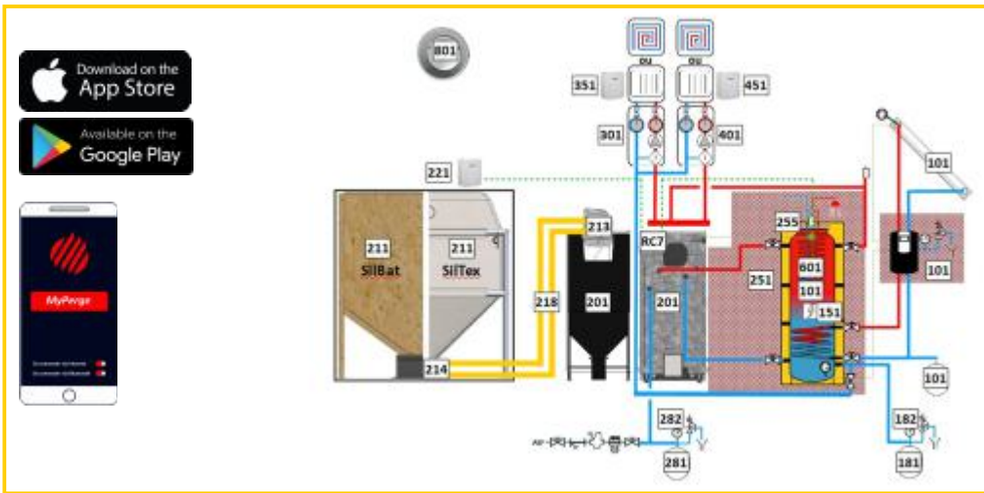
CombiSolar + OptiPellet Connect with screw conveyor silo – SSL15



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of CombiSolar model**			
	Roof-parallel heating only			
>	CombiSolar 1000 C-T	196	**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On chassis heating only			
>	CombiSolar 1000 C-S	196	**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**
	Roof-parallel heating + DHW			
>	CombiSolar 1000 B-T	196	**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On chassis heating + DHW			
>	CombiSolar 1000 B-S	196	**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
121	**Choice of solar connection**			
>	25 m stainless steel DN20 connection	196	**900 660**	**760**
151	**Choice of immersion heater according to output**			
>	TR30	209	**900 301**	**419**
>	TR45		**900 446**	**427**
>	TR60		**900 447**	**773**
181	**Choice of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
182	**Safety valve + pressure gauge mandatory on the installation**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
201	**Boiler model selection according to output**			
>	OptiPellet 12 C-DRC7 Connect	106	**902 800**	**8 990**
>	OptiPellet 17 C-DRC7 Connect		**902 801**	**9 190**
>	OptiPellet 23 C-DRC7 Connect		**902 802**	**9 690**
>	OptiPellet 33 C-DRC7 Connect		**902 803**	**9 990**
>	OptiPellet 45 C-DRC7 Connect		**902 804**	**10 990**
211	**Choice of silo type (Build-on-site silo or Textile silo)**			
>	SilBat + VTC10	115	**902 680**	**2 690**
>	SilBat + VTC15		**902 681**	**2 880**
>	SilBat + VTC20		**902 682**	**2 990**
>	SilBat + VTC25		**902 683**	**3 180**
>	SilBat + VTC30		**902 684**	**3 280**
>	SilTex 200x200 + VTA	114	**902 690**	**4 890**
>	SilTex 200x250 + VTA		**902 775**	**5 070**
>	SilTex 250x250 + VTA		**902 691**	**5 450**
>	SilTex 250x300 + VTA		**902 776**	**5 670**
>	SilTex 300x300 + VTA		**902 692**	**6 150**

N°	Designation	Page	Ref	€ Excl. tax
221	**Choice of outdoor sensor type (Wired or Wireless)**			
>	Outdoor sensor C+ -F	106	**900 600**	**60**
>	Outdoor sensor C+ -R		**900 601**	**115**
251	**Accessories for connecting a pellet boiler**			
>	SBF	208	**900 412**	**503**
255	**Sanitary thermostatic mixing valve**			
>	Thermostatic mixing valve 1/2 F 30–70 °C	207	**990 713**	**106**
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Choice of safety device**			
>	Safety valve + pressure gauge	211	**900 404**	**23**
>	PSRV bracket (maximum 35-litre vessel)		**900 564**	**97**
301	**Heating circuit n°1**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory choice of room sensor type for circuit 1**			
>	Room sensor C+ -F	106	**900 602**	**60**
>	Outdoor/Room sensor C+ -R		**900 601**	**115**
>	Wired room sensor with button		**900 604**	**80**
>	Wireless room sensor with button		**900 605**	**138**
401	**Heating circuit n°2**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory choice of room sensor type for circuit 2**			
>	Room sensor C+ -F	106	**900 602**	**60**
>	Outdoor/Room sensor C+ -R		**900 601**	**115**
>	Wired room sensor with button		**900 604**	**80**
>	Wireless room sensor with button		**900 605**	**138**
601	**DHW sensor**			
>	DHW temperature sensor for Connect	116	**992 041**	**12**
801	**Draught regulator**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

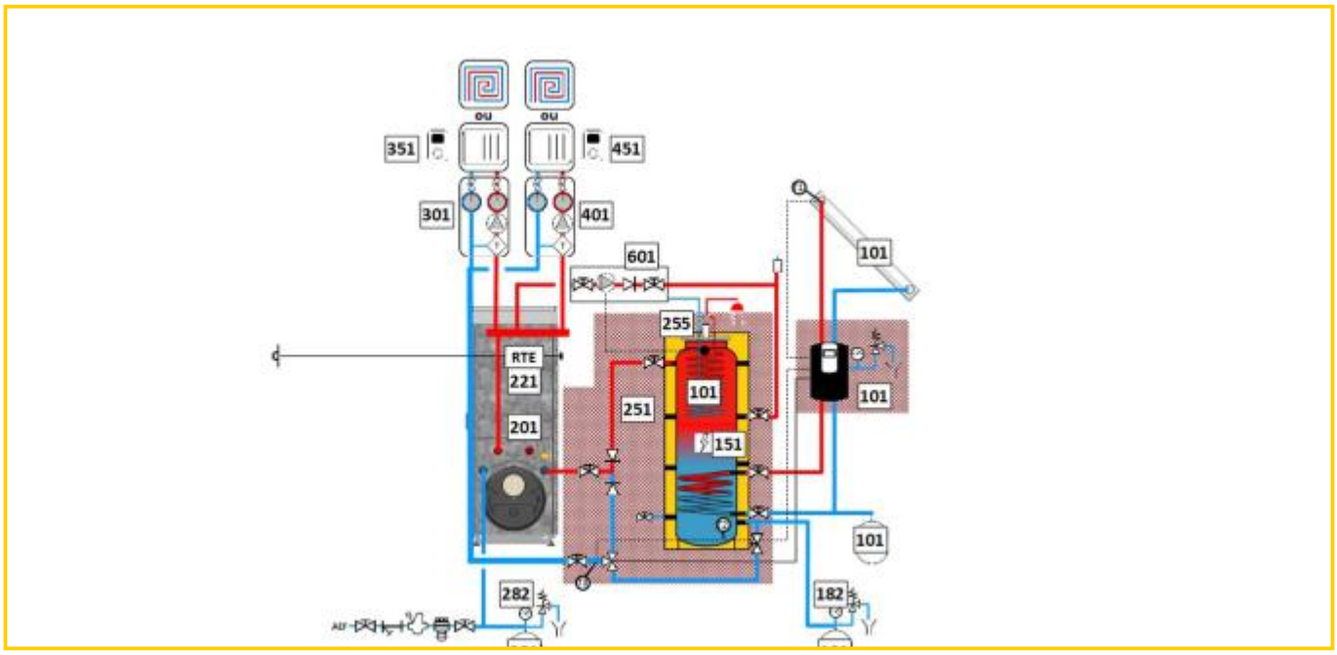
CombiSolar + OptiPellet Connect with suction conveying silo – SSL16



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of CombiSolar model**			
	Roof-parallel heating only			
>	CombiSolar 1000 C-T	196	**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On chassis heating only			
>	CombiSolar 1000 C-S	196	**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**
	Roof-parallel heating + DHW			
>	CombiSolar 1000 B-T	196	**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On chassis heating + DHW			
>	CombiSolar 1000 B-S	196	**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
121	**Choice of solar connection**			
>	25 m stainless steel DN25 connection	196	**900 660**	**760**
151	**Choice of immersion heater according to output**			
>	TR30	209	**900 301**	**419**
>	TR45		**900 446**	**427**
>	TR60		**900 447**	**773**
181	**Choice of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
182	**Safety valve + pressure gauge mandatory on the installation**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
201	**Choice of boiler body according to output**			
>	OptiPellet 12 C-DRC7 Connect + MiniSilo	107	**902 850**	**9 980**
>	OptiPellet 17 C-DRC7 Connect + MiniSilo		**902 851**	**10 180**
>	OptiPellet 23 C-DRC7 Connect + MiniSilo		**902 852**	**10 680**
>	OptiPellet 33 C-DRC7 Connect + MiniSilo		**902 853**	**11 180**
>	OptiPellet 45 C-DRC7 Connect + MiniSilo		**902 854**	**12 180**
211	**Choice of silo type (Build-on-site silo or Textile silo)**			
>	SilBat 10 Aspi	115	**902 700**	**1 990**
>	SilBat 15 Aspi		**902 701**	**2 190**
>	SilBat 20 Aspi		**902 702**	**2 290**
>	SilBat 25 Aspi		**902 703**	**2 490**
>	SilBat 30 Aspi		**902 704**	**2 590**
>	SilTex 200x200	114	**902 676**	**3 130**
>	SilTex 200x250		**902 770**	**3 310**
>	SilTex 250x250		**902 677**	**3 690**
>	SilTex 250x300		**902 771**	**3 910**
>	SilTex 300x300		**902 678**	**4 390**
213	**Choice of suction unit (Monobloc or Bi-bloc).** **Note: In the case of SilTex, do not forget the mandatory supplement**			
>	Monobloc suction unit	114	**902 821**	**1 055**
>	Bi-bloc suction unit		**902 827**	**1 593**
214	**Mandatory supplement if SilTex silo**			
>	For twin-tube suction	114	**902 823**	**408**
>	For single-tube suction		**902 824**	**700**

N°	Designation	Page	Ref	€ Excl. tax
218	**Suction piping**			
>	20 m suction pipe coil	114	**902 698**	**445**
221	**Choice of outdoor sensor type (Wired or Wireless)**			
>	Outdoor sensor C+ -F	107	**900 600**	**60**
>	Outdoor sensor C+ -R		**900 601**	**115**
251	**Accessories for connecting a pellet boiler**			
>	SBF	208	**900 412**	**503**
255	**Sanitary thermostatic mixing valve**			
>	Thermostatic mixing valve 1/2 F 30–70 °C	207	**990 713**	**106**
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Choice of safety device**			
>	Safety valve + pressure gauge	211	**900 404**	**23**
>	PSRV bracket (maximum 35-litre vessel)		**900 564**	**97**
301	**Heating circuit n°1**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Mandatory choice of room sensor type for circuit 1**			
>	Room sensor C+ -F	107	**900 602**	**60**
>	Outdoor/Room sensor C+ -R		**900 601**	**115**
>	Wired room sensor with button		**900 604**	**80**
>	Wireless room sensor with button		**900 605**	**138**
401	**Heating circuit n°2**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Mandatory choice of room sensor type for circuit 2**			
>	Room sensor C+ -F	107	**900 602**	**60**
>	Outdoor/Room sensor C+ -R		**900 601**	**115**
>	Wired room sensor with button		**900 604**	**80**
>	Wireless room sensor with button		**900 605**	**138**
601	**DHW sensor**			
>	DHW temperature sensor for Connect	116	**992 041**	**12**
801	**Draught regulator**			
>	MT150, diameter 150 mm	212	**900 466**	**167**
>	MT180, diameter 180 mm		**900 467**	**247**

CombiSolar + Optitherm - SST06



N°	Designation	Page	Ref	€ Excl. tax
101	**Choice of CombiSolar model**			
	Roof-parallel heating only			
>	CombiSolar 1000 C-T	196	**904 011**	**7 894**
>	CombiSolar 1500 C-T		**904 015**	**11 241**
	On chassis heating only			
>	CombiSolar 1000 C-S	196	**904 012**	**7 894**
>	CombiSolar 1500 C-S		**904 016**	**11 241**
	Roof-parallel heating + DHW			
>	CombiSolar 1000 B-T	196	**904 021**	**9 288**
>	CombiSolar 1500 B-T		**904 025**	**12 561**
	On chassis heating + DHW			
>	CombiSolar 1000 B-S	196	**904 022**	**9 288**
>	CombiSolar 1500 B-S		**904 026**	**12 561**
121	**Choice of solar connection**			
>	25 m stainless steel DN20 connection	196	**900 660**	**760**
151	**Choice of immersion heater according to output**			
>	TR30	209	**900 301**	**419**
>	TR45		**900 446**	**427**
>	TR60		**900 447**	**773**
181	**Choice of expansion vessel according to capacity**			
>	35-litre vessel	211	**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
>	80-litre vessel		**900 625**	**219**
>	100-litre vessel		**900 368**	**247**
>	200-litre vessel		**900 369**	**431**
182	**Safety valve + pressure gauge mandatory on the installation**			
>	Pressure gauge valve	211	**900 404**	**23**
>	PSRV bracket (for expansion vessel up to 35 litres)		**900 564**	**97**
251	**Choice of back-up boiler model according to output and DHW production**			
	Bio-oil Chimney			
>	Optitherm 24 C-F30	178	**916 010**	**3 590**
>	Optitherm 32 C-F30		**916 011**	**4 090**
>	Optitherm 24 B90-F30		**916 012**	**5 190**
>	Optitherm 24 B150-F30		**916 013**	**5 590**
>	Optitherm 32 B150-F30		**916 014**	**6 090**
	Bio-oil Room-sealed			
>	Optitherm 24 C-F30V	178	**916 110**	**4 090**
>	Optitherm 32 C-F30V		**916 111**	**4 590**
>	Optitherm 24 B90-F30V		**916 112**	**5 690**
>	Optitherm 24 B150-F30V		**916 113**	**6 090**
>	Optitherm 32 B150-F30V		**916 114**	**6 590**

N°	Designation	Page	Ref	€ Excl. tax
221	**Choice of climate controller (mandatory if underfloor heating)**			
>	RTE3	172	**900 132**	**390**
251	**Accessories for connecting a pellet boiler**			
>	SBF	208	**900 412**	**503**
255	**Sanitary thermostatic mixing valve**			
>	Thermostatic mixing valve 1/2" F 30–70 °C	209	**990 713**	**106**
281	**Expansion vessel selection based on capacity**			
>	18-litre vessel	211	**900 370**	**55**
>	24-litre vessel		**900 365**	**65**
>	35-litre vessel		**900 366**	**109**
>	50-litre vessel		**900 367**	**129**
282	**Choice of safety device**			
>	Safety valve + pressure gauge	211	**900 404**	**23**
>	PSRV bracket (maximum 35-litre vessel)		**900 564**	**97**
301	**Heating circuit n°1**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
351	**Heating circuit n°1 – Wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
401	**Heating circuit n°2**			
>	MHT 45/70	210	**900 423**	**626**
>	MHT 45/70-FM		**900 497**	**732**
>	MHT 20/45		**900 476**	**626**
>	MHT 20/45-FM		**900 612**	**732**
>	MHE		**900 611**	**985**
>	MHE-FM		**900 617**	**1 074**
451	**Heating circuit n°2 – Wireless room thermostat**			
>	TH4-Wired	212	**900 470**	**67**
>	TH4-Radio		**900 471**	**175**
601	**PECS**			
>	PECS	209	**902 658**	**340**

Individual solar water heaters

AquaSolar

Individual solar thermal water heater
Sanitary storage volume from 200 to 800 litres
DHW production

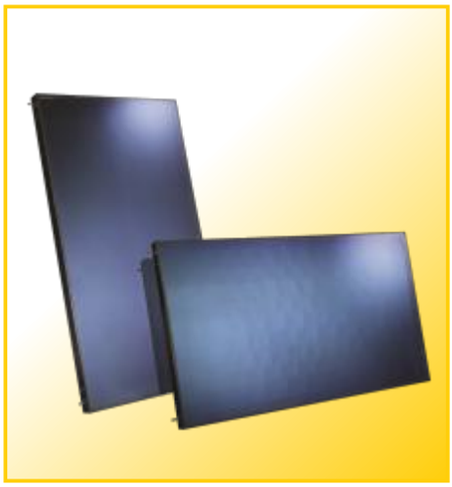
Constituent elements

- C2500 D12c collectors (see specifications page 205)
- Profiled crossbars for roof-parallel installation or chassis for ground installation with tilt angle of 15°, 25°, 45°, 60°
- Solar transfer unit with circulating pump, safety valve and degassing
- Solar expansion vessel
- Ready-to-use heat transfer fluid
- Enamelled DHW tank with 1 or 2 heat exchangers
- Solar controller for 1 or 2 collector zones and an auxiliary energy source
- Thermostatic mixing valve

Designation	Number of collectors and inlet surface (m^2)	Collector mounting type	Solar expansion vessel volume (l)	Heat transfer fluid volume (l)	DHW volume (l)	Number of exchangers	Ref	€ Excl. tax
Tank with 1 coil								
AquaSolar 200/1S-T	1 / 2,3	Roof-parallel	18	20	200	1	**904 051**	**4 240**
AquaSolar 200/1S-S	1 / 2,3	On chassis	18	20	200	1	**904 052**	**4 240**
AquaSolar 300/1S-T	2 / 4,6	Roof-parallel	18	20	300	1	**904 053**	**5 400**
AquaSolar 300/1S-S	2 / 4,6	On chassis	18	20	300	1	**904 054**	**5 400**
AquaSolar 500/1S-T	2 / 4,6	Roof-parallel	18	20	500	1	**904 055**	**6 480**
AquaSolar 500/1S-S	2 / 4,6	On chassis	18	20	500	1	**904 056**	**6 480**
AquaSolar 800/1S-T	3 / 6,9	Roof-parallel	18	20	800	1	**904 057**	**7 980**
AquaSolar 800/1S-S	3 / 6,9	On chassis	18	20	800	1	**904 058**	**7 980**
Tank with 2 coils								
AquaSolar 200/2S-T	1 / 2,3	Roof-parallel	18	20	200	2	**904 037**	**4 505**
AquaSolar 200/2S-S	1 / 2,3	On chassis	18	20	200	2	**904 038**	**4 505**
AquaSolar 300/2S-T	2 / 4,6	Roof-parallel	18	20	300	2	**904 031**	**5 786**
AquaSolar 300/2S-S	2 / 4,6	On chassis	18	20	300	2	**904 032**	**5 786**
AquaSolar 500/2S-T	2 / 4,6	Roof-parallel	18	20	500	2	**904 035**	**7 386**
AquaSolar 500/2S-S	2 / 4,6	On chassis	18	20	500	2	**904 036**	**7 386**
AquaSolar 800/2S-T	3 / 6,9	Roof-parallel	18	20	800	2	**904 033**	**8 880**
AquaSolar 800/2S-S	3 / 6,9	On chassis	18	20	800	2	**904 034**	**8 880**

Optional equipment

Designation	Description	Ref	€ Excl. tax
15 m stainless steel DN16 connection	Stainless steel DN16 flow/return piping, insulated, with sensor cable.15 m coil with 3/4'' connection kit.	**900 545**	**675**
TR30	3 kW single-phase immersion heater for electric back-up (see page 209)	**900 301** (A)	**419**
TR45	4.5 kW single-phase immersion heater for electric back-up (see page 209)	**900 446** (A)	**427**
TR60	6 kW single-phase immersion heater for electric back-up (see page 209)	**900 447** (A)	**773**
1'' hydraulic module – DHW priority (only for AquaSolar /2S)	Set for remote domestic hot water production from a boiler, consisting of a direct hydraulic module with electronic circulating pump, shut-off valves, flow/return thermometers, DHW thermostat with cable.	**900 444** (A)	**468**



Solar thermal collectors

C2500 D12c (Solar Keymark n° 23.06.014)
H2500 D8c (Solar Keymark n° 23.06.017)

Solar collector with 2.53 m² gross surface, equipped with high-strength structured tempered glass
Portrait mounting (C2500) or landscape mounting (H2500)
Harp-type absorber with selective coating
High-density 40 mm rock wool insulation
4 outlets, Ø 22 mm for ring connection/Mounting accessories for roof-parallel installation or on chassis

Designation	Gross surface (m^2)	Aperture surface (m^2)	Output (W/m^2)	Collector performance n_0 %	a1 $Wm^{-2}K^{-1}$	a2 $Wm^{-2}K^{-2}$	Height (m)	Width (m)	Weight (kg)	Ref	€ Excl. tax
C2500 D12c	2,53	2,28	687	76,4	3,99	0,014	2,03	1,25	37	**904 006**	**766**
H2500 D8c	2,53	2,28	687	76,4	3,99	0,014	1,25	2,03	37	**904 007**	**766**

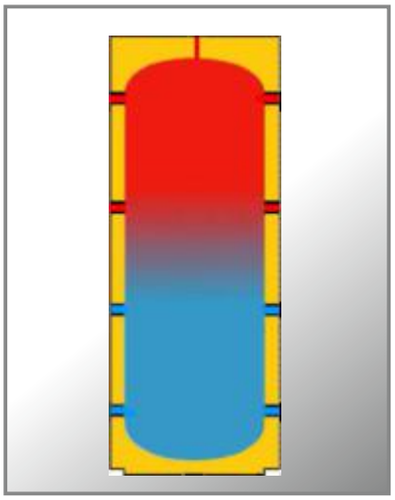
Solar collector support

Designation	Description	Ref	€ Excl. tax
Installation on tiled roof			
STU2 C2500	Tiled roof support for 2 collectors	**904 132**	**347**
STU3 C2500	Tiled roof support for 3 collectors	**904 133**	**466**
Installation on slate roof			
STA2 C2500	Slate roof support for 2 collectors	**904 142**	**347**
STA3 C2500	Slate roof support for 3 collectors	**904 143**	**466**
Installation on steel tray roof			
STO2 C2500	Steel tray roof support for 2 collectors	**904 152**	**243**
STO3 C2500	Steel tray roof support for 3 collectors	**904 153**	**321**
Installation on terrace			
STT2 C2500	Terrace support inclined 15–25–45–60° for 2 collectors	**904 162**	**352**
STT3 C2500	Terrace support inclined 15–25–45–60° for 3 collectors	**904 163**	**492**
Installation as canopy – Horizontal collectors			
SF2 H2500	Canopy support 60° for 2 collectors	**904 172**	**530**
SF3 H2500	Canopy support 60° for 3 collectors	**904 173**	**719**

Other solar equipment

Designation	Description	Ref	€ Excl. tax
MS42	Solar transfer unit with circulating pump, thermometers, safety valve, and degassing. Controller with 4 sensors and 2 relays. Available functions include: 2 collector zones/2 heat exchangers in the hydro-accumulation tank Night cooling of collectors/Auxiliary energy source	**904 108** (A)	**1 017**
MS21	Solar transfer unit with circulating pump, thermometers, safety valve, and degassing. Controller with 2 sensors and 1 relay for Individual Solar Water Heater	**904 110** (A)	**912**
20-litre heat transfer fluid	Heat transfer fluid for solar network. Supplied in 20-litre ready-to-use container.	**904 121**	**124**
Solar expansion vessel	**18 litres** **50 litres** **80 litres**	**900 547** **900 536** **900 529**	**70** **177** **277**
DHW mixing valve	¾'' M thermostatic mixing valve for solar DHW.	**900 540**	**217**

Buffer tanks and DHW tanks with 2 heat exchangers (more information on pages 207 and 209)



Buffer tanks
Mixing bottles

BT

Buffer tank from 500 to 2,000 litres
Heating only

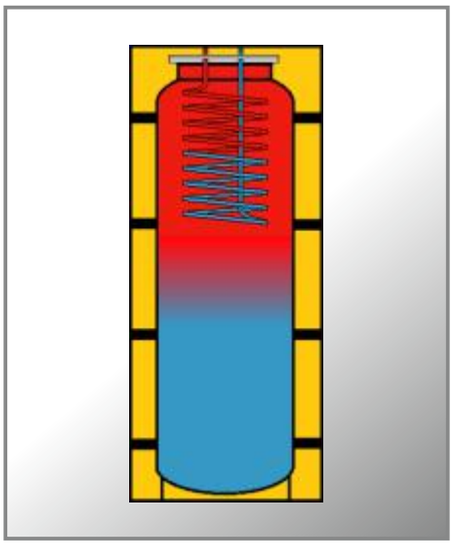
BM

Mixing bottle from 100 to 300 litres
Heating only

Technical specifications

Steel tank / Maximum operating pressure: 3 bar / Maximum operating temperature: 95 °C
Removable insulation made of flexible CFC-free foam, 100 mm thick
8 tappings 1'' 1/2 F for boiler/installation connection (6 tappings for BM100 and BM200)
4 tappings 1/2'' F for thermometer or thermostat connection (3 tappings for BM100 and BM200)
1 tapping 1'' 1/4 F for air vent connection on top of the tank
Colour: Coral

Designation	Total capacity (l)	Diameter with insulation (mm)	Diameter without insulation (mm)	Height (mm)	Tilting diagonal (mm)	Total weight (kg)	Ref	€ Excl. tax
BT 500	500	850	650	1 750	1 767	86	**900 292**	**1 327**
BT 800	800	990	790	1 830	1 893	125	**900 293**	**1 682**
BT 1000	1 000	990	790	2 080	2 125	138	**900 294**	**1 806**
BT 1500	1 500	1 200	1 000	2 120	2 244	215	**900 296**	**2 886**
BT 2000	2 000	1 300	1 100	2 340	2 486	265	**900 297**	**3 840**
BM 100	100	500	400	925	1 008	27	**900 620**	**704**
BM 200	200	600	500	1 155	1 260	40	**900 622**	**882**
BM 300	300	650	500	1 655	1 728	60	**900 623**	**1 111**



Mixed
buffer tanks

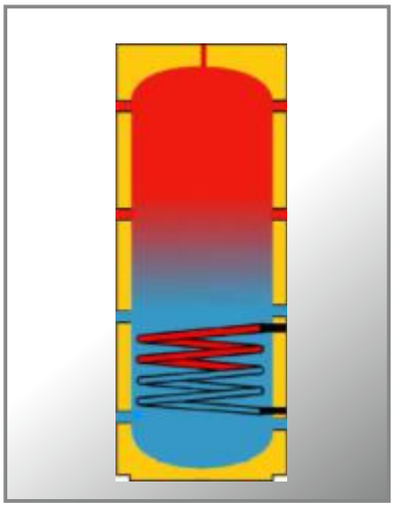
BTM

Buffer tank with total volume from 500 to 1,500 litres
Heating and DHW production
BTM: Enamelled DHW tank with DHW coil

Technical specifications

Steel heating tank / Maximum operating pressure: 3 bar
Maximum operating temperature: 95 °C
Removable insulation made of flexible CFC-free foam, 100 mm thick
8 tappings 1'' 1/2 F for boiler/installation connection
4 tappings 1/2'' F for thermometer or thermostat connection
1 tapping 1'' 1/4 F for air vent connection on top of the tank
Colour: Coral

Designation	Total capacity (l)	Diameter with insulation (mm)	Diameter without insulation (mm)	Height (mm)	Tilting diagonal (mm)	Coil surface area (m²)	Total weight (kg)	Ref	€ Excl. tax
Removable copper DHW coil									
BTM-SC 500	500	850	650	1 750	1 767	3,2	108	**900 580**	**2 536**
BTM-SC 800	800	990	790	1 830	1 893	4,5	152	**900 581**	**2 987**
BTM-SC 1000	1 000	990	790	2 080	2 125	4,5	165	**900 582**	**3 109**
BTM-SC 1500	1 500	1 200	1 000	2 120	2 244	6,3	250	**900 583**	**4 408**
BTM-SC 2000	2 000	1 300	1 100	2 360	2 694	6,3	300	**900 587**	**5 998**
Stainless steel DHW coil									
BTM-SI 800	779	1 000	800	1 945	1 960	2,85	104	**900 309**	**2 987**
BTM-SI 1000	934	1 000	800	2 255	2 265	2,85	116	**900 310**	**3 109**
BTM-SI 1500	1 498	1 200	1 000	2 310	2 330	3,27	169	**900 316**	**4 408**



Solar buffer tanks

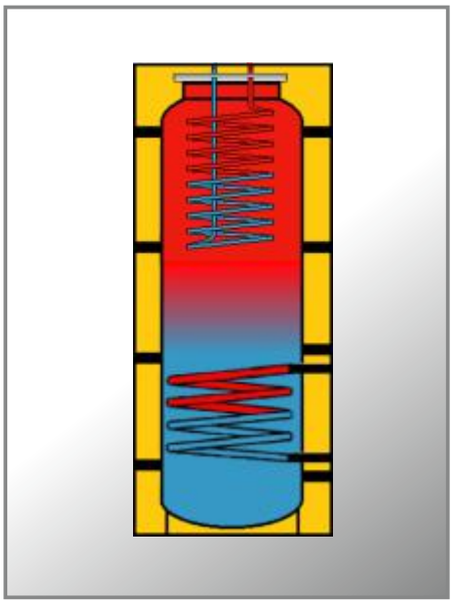
BTS

Buffer tank from 1,000 to 1,500 litres
Heating only

Technical specifications

Steel tank / Maximum operating pressure: 3 bar / Maximum operating temperature:95°C
Large surface heat exchanger located at the bottom of the tank
Removable insulation made of flexible CFC-free foam, 100 mm thick
8 tappings 1'' 1/2 F for boiler/installation connection
4 tappings 1/2'' F for thermometer or thermostat connection
1 tapping 1'' 1/4 F for air vent connection on top of the tank
Colour: Coral

Designation	Total capacity (l)	Heat exchanger surface (m²)	Diameter with insulation (mm)	Diameter without insulation (mm)	Height (mm)	Tilting diagonal (mm)	Total weight (kg)	Ref	€ Excl. tax
BTS 800	800	2,5	990	790	1 830	2 080	160	**900 433**	**2 401**
BTS 1000	1 000	3	990	790	2 080	2 125	180	**900 434**	**2 712**
BTS 1500	1 500	3,5	1 200	1 000	2 120	2 244	270	**900 435**	**4 016**



Mixed solar buffer tanks

BTMS

Buffer tank from 1,000 to 1,500 litres total volume
Integrated DHW tank from 250 to 280 litres
Heating and DHW production

Technical specifications

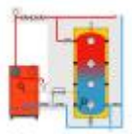
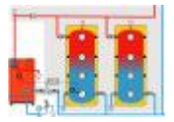
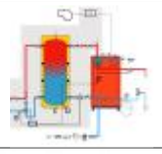
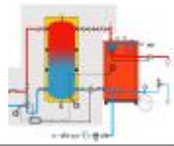
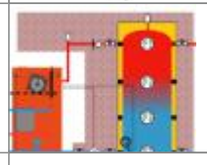
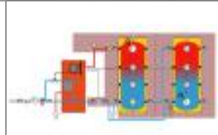
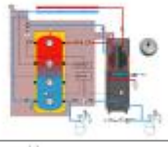
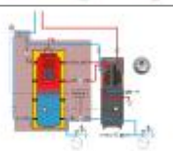
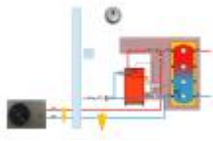
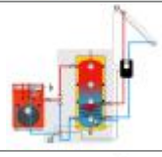
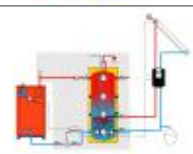
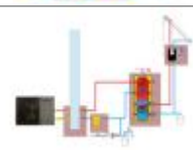
Steel heating tank
Maximum operating pressure: 3 bar
Maximum operating temperature: 95 °C
Large surface heat exchanger located at the bottom of the tank
Integrated enamelled DHW tank (“tank in tank”)
Removable insulation made of flexible CFC-free foam, 100 mm thick
8 tappings 1'' 1/2 F for boiler/installation connection
4 tappings 1/2'' F for thermometer or thermostat connection
1 tapping 1'' 1/4 F for air vent connection on top of the tank
Colour: Corall

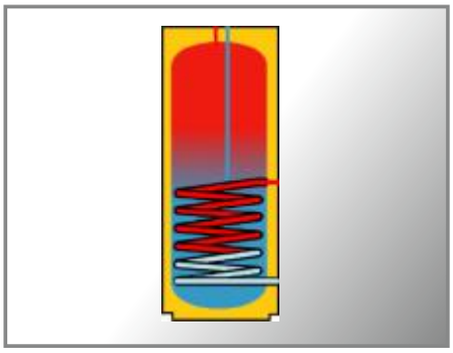
Designation	Total capacity (l)	Diameter with insulation (mm)	Diameter without insulation (mm)	Height (mm)	Tilting diagonal (mm)	DHW coil surface area (m²)	Solar coil surface area (m²)	Total weight (kg)	Ref	€ Excl. tax
Removable copper DHW coil										
BTMS-SC 800	800	990	790	1 830	2 080	4,5	2,5	185	**900 597**	**3 581**
BTMS-SC 1000	1 000	990	790	2 080	2 125	4,5	3	205	**900 454**	**3 937**
BTMS-SC 1500	1 500	1 200	1 000	2 120	2 244	6,3	3,5	305	**900 460**	**5 216**
Stainless steel DHW coil										
BTMS-SI 800	779	1 000	800	1 945	1 960	2,85	2,85	124	**900 655**	**3 581**
BTMS-SI 1000	934	1 000	800	2 255	2 265	2,85	2,85	136	**900 413**	**3 937**
BTMS-SI 1500	1 498	1 200	1 000	2 310	2 330	3,27	3,27	189	**900 414**	**5 216**

BT accessories

Designation	Description	Ref	€ Excl. tax
Thermowell	Brass/copper thermowell 1/2 G 10x200 mm	**900 485**	**17**
Thermometer	Axial thermometer 263 mm, L = 200 mm with clips	**900 480**	**23**
Thermostatic mixing valve	Thermostatic mixing valve 1/2" F, 30–70 °C	**990 713**	**106**

Accessories for connecting to a buffer tank

Des.		Description	Ref	€ Excl. tax
MB		**MC wood boiler with 1 buffer tank, including:** 1 circulating pump, 2 air vents, 4 shut-off valves, 1 non-return valve, 3 thermometers, 6 blind plugs, 1 drain valve, 1 differential temperature controller with 2 sensors (1 sensor T1: boiler temperature – 1 sensor T2: buffer tank temperature).	**900 400**	**1 259**
MB2		**MC wood boiler with 2 buffer tanks, including:** 1 circulating pump, 3 air vents, 6 shut-off valves, 1 non-return valve, 7 thermometers, 10 blind plugs, 2 drain valves, 1 differential temperature controller with 2 sensors (1 sensor T1: boiler temperature – 1 sensor T2: buffer tank temperature).	**900 405**	**1 304**
MBF 1c		**MC wood boiler with 1 buffer tank coupled with an oil boiler with smoke connection into a single flue, including:** 1 circulating pump, 2 air vents, 8 shut-off valves, 3 non-return valves, 4 thermometers, 4 blind plugs, 1 zone valve, 1 differential temperature controller with 3 sensors (1 sensor T1: boiler temperature – 1 sensor T2: buffer tank temperature – 1 sensor T3: heating return temperature), 1 flue gas thermostat THF.	**900 401**	**1 566**
MBF 2c		**MC wood boiler with 1 buffer tank coupled with an oil boiler with smoke connection into two separate flues, including:** 1 circulating pump, 2 air vents, 8 shut-off valves, 3 non-return valves, 4 thermometers, 4 blind plugs, 1 zone valve, 1 differential temperature controller with 3 sensors (1 sensor T1: boiler temperature – 1 sensor T2: buffer tank temperature – 1 sensor T3: heating return temperature).	**900 402**	**1 443**
GFIB		**Log boiler GFI with 1 buffer tank including:** 1 circulating pump, 1 air vent, 4 shut-off valves, 1 non-return valve, 1 drain valve, 1 thermometer, 5 full plugs, reductions.	**900 488**	**456**
GFIB2		**GFI wood boiler with 1 buffer tank, including:** 1 circulating pump, 1 air vent, 4 shut-off valves, 1 non-return valve, 1 drain valve, 1 thermometer, 5 blind plugs, reducers.	**900 489**	**677**
GTB		**GFI wood boiler with 2 buffer tanks, including:** 1 circulating pump, 2 air vents, 6 shut-off valves, 1 non-return valve, 2 drain valves, 5 thermometers, 10 blind plugs, reducers.	**900 675**	**1 445**
GTBM		**GTEI multi-fuel boiler with 1 buffer tank, including:** 2 circulating pumps, 2 air vents, 6 shut-off valves, 4 non-return valves, 3 thermometers, 4 blind plugs, 1 zone valve, 1 differential temperature controller with 4 sensors (1 sensor T1: boiler temperature – 1 sensor T2: bottom of buffer tank temperature – 1 sensor T3: top of buffer tank temperature – 1 sensor T4: heating return temperature).	**900 657**	**1 681**
MBP		**GTEI multi-fuel boiler with 1 mixed buffer tank, including:** 3 circulating pumps, 2 air vents, 8 shut-off valves, 4 non-return valves, 2 thermometers, 3 blind plugs, 1 zone valve, 1 differential temperature controller with 4 sensors (1 sensor T1: boiler temperature – 1 sensor T2: bottom of buffer tank temperature – 1 sensor T3: top of buffer tank temperature – 1 sensor T4: heating return temperature).	**900 661**	**1 543**
SBF		**Optitherm or OptiCondens oil boiler with a Combined Solar System, including:** 1 air vent, 6 shut-off valves, 2 non-return valves, 4 thermometers, 5 blind plugs, 1 zone valve.	**900 412**	**503**
SBB		**MC wood boiler with a Combined Solar System, including:** 1 air vent, 5 shut-off valves, 1 differential temperature controller with 2 sensors (1 boiler sensor and 1 tank sensor), 1 circulating pump, 4 thermometers, 4 blind plugs.	**900 419**	**1 033**
SBP		**OptiPac heat pump with a Combined Solar System, including:** 1 air vent, 6 shut-off valves, 3 thermometers, 4 thermowells, 4 blind plugs.	**900 683**	**327**



Independent DHW tanks

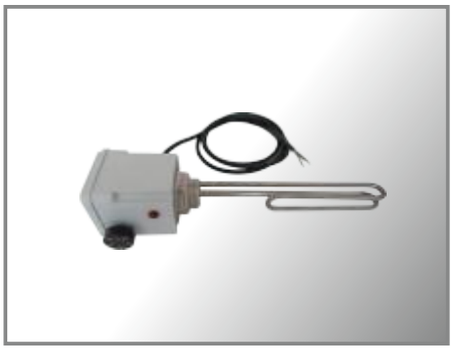
PE: Technical specifications

Enamelled domestic hot water tank from 150 to 500 litres
1 or 2 heat exchangers depending on the model, DHW production, enamelled steel tank.
Maximum operating pressure of primary circuit: 3 bar
Maximum operating pressure of sanitary circuit: 7 bar
Maximum operating temperature: 95 °C
Coil heat exchanger, reinforced insulation, colour: Grey

Designation	Colour Casing	Sanitary volume (litres)	Number of heat exchangers	Diameter with insulation (mm)	Height with insulation (mm)	Tilting diagonal (mm)	Total weight (kg)	Ref	€ Excl. tax
PE 150/1S	Grey	150	1	610	1 005	1 123	65	**900 479**	**1 435**
PE 200/1S	Grey	200	1	610	1 290	1 384	80	**900 475**	**1 576**
PE 300/1S	Grey	300	1	610	1 680	1 753	93	**900 606**	**1 762**
PE 500/1S	Grey	500	1	760	1 680	1 801	145	**900 624**	**2 236**
PE 800/1S	Grey	800	1	1 000	1 870	2 125	210	**900 628**	**3 475**
PE 200/2S	Grey	200	2	610	1 290	1 384	90	**900 560**	**1 788**
PE 300/2S	Grey	300	2	610	1 680	1 753	105	**900 542**	**1 976**
PE 500/2S	Grey	500	2	760	1 680	1 801	155	**900 544**	**2 493**
PE 800/2S	Grey	800	2	1 000	1 870	2 125	225	**900 682**	**3 750**
PE 200/1SPac	Grey	200	1	610	1 290	1 384	100	**918 003**	**1 770**
PE 300/1SPac	Grey	300	1	610	1 680	1 753	115	**918 004**	**2 470**

Optional equipment

Designation	Description	Ref	€ Excl. tax
NOTE: Hydraulic modules for primary DHW circuit (see page 211)			
Thermostat or DHW sensor for connection to an existing DHW tank			
DHW thermostat	DHW thermostat for independent tank. Supplied with housing, wiring and connectors for electrical connection.	**900 549**	**93**
RC7 temperature sensor	*DHW temperature sensor for RC7 control (all Connect models – OptiPac, Optitherm, OptiCondens, OptiPellet).*	**992 041**	**12**
SDG-GFI sensor	*DHW temperature sensor for GFI control (GFI series wood boilers).*	**992 329**	**27**
Thermowell	Thermowell 1/2'' – L=200 mm for installation on PE or BT tanks to receive DHW thermostat or RC7/GFI sensors.	**900 485**	**17**
PECS	DHW priority kit for independent DHW tank or DHW in mixed buffer tank, including DHW thermostat, circulating pump, cable, non-return valve and 2 shut-off valves.	**902 658**	**340**



Electric back-ups for tanks

Electric immersion heater with housing, supplied pre-wired with setting thermostat and safety thermostat.Maximum operating temperature: 95 °C.Screw-in connection 1''1/2 M.

Designation	Description	Ref	€ Excl. tax
TR30 single-phase	Power supply 230 V single-phase – Power 3 kW	**900 301**	**419**
TR45 single-phase	Power supply 230 V single-phase – Power 4.5 kW	**900 446**	**427**
TR60 single-phase	Power supply 230 V single-phase – Power 6 kW	**900 447**	**773**
TR30 three-phase	Power supply 380 V three-phase – Power 3 kW	**900 555**	**490**
TR45 three-phase	Power supply 380 V three-phase – Power 4.5 kW	**900 448**	**543**
TR60 three-phase	Power supply 380 V three-phase – Power 6 kW	**900 449**	**559**

All these accessories – Eco-Participation not included: €0.12

Optional equipment

Designation	Description	Ref	€ Excl. tax
TR/PE flange	TR heating element adaptor flange for PE tank	**900 450**	**65**
TR/MC flange	TR heating element adaptor flange for MC boiler	**900 556**	**72**

Hydraulic modules for direct heating circuit

		Designation	Description	Ref	€ Excl. tax
		**MHD**	**Direct hydraulic module** 1'' heating hydraulic module for direct circuit from the boiler, including circulating pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 420**	**421**
		MHD-V2V	Same as MHD + 2-way valve with automatic return	**900 666**	**573**
		MHD-FM	Same as MHD + magnetic filter	**900 494**	**557**
		**MH2X**	**Hydraulic module with Duotherm** 1'' heating hydraulic module for low-temperature direct circuit from the boiler, including Duotherm, circulating pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 493**	**541**
		MH2X-V2V	Same as MH2X + 2-way valve with automatic return	**900 667**	**693**
		MH2X-FM	Same as MH2X + magnetic filter	**900 616**	**686**
		**MHS**	**Hydraulic module without circulating pump (for circuit No.1 of Optitherm with Duotherm and OptiCondens)** 1'' heating hydraulic module for circuit already equipped with a circulating pump, including anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 445**	**279**
		MHS-FM	Same as MHS + magnetic filter	**900 499**	**424**

Hydraulic modules for mixed heating circuit

		Designation	Description	Ref	€ Excl. tax
		**MHE**	**Hydraulic module with outdoor temperature controller** 1'' heating hydraulic module regulated on outdoor temperature, including controller, outdoor sensor, flow sensor, mixing valve, valve motor, circulating pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 611**	**985**
		MHE-FM	Same as MHE + magnetic filter	**900 617**	**1 074**
		**MHR**	**Motorized mixing hydraulic module** 1'' heating hydraulic module for motorized mixing circuit, including mixing valve, valve motor, circulating pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 422**	**654**
		MHR-FM	Same as MHR + magnetic filter	**900 496**	**759**
		**MHT 45/70**	**Thermostatic mixing hydraulic module 45/70** 1'' heating hydraulic module for thermostatic mixing circuit, including thermostatic mixing valve with adjustable flow temperature from 45 °C to 70 °C, circulating pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 423**	**626**
		MHT 45/70-FM	Same as MHT 45/70 + magnetic filter	**900 497**	**732**
		**MHT 20/45**	**Thermostatic mixing hydraulic module 20/45** 1'' heating hydraulic module for thermostatic mixing circuit, including thermostatic mixing valve with adjustable flow temperature from 20 °C to 45 °C, circulating pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 476**	**626**
		MHT 20/45-FM	Same as MHT 20/45 + magnetic filter	**900 612**	**732**
		**MHM**	**Manual mixing hydraulic module** 1'' heating hydraulic module for manual mixing circuit, including manual mixing valve, circulating pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 421**	**531**
		MHM-FM	Same as MHM + magnetic filter	**900 495**	**642**

Hydraulic modules for DHW primary circuit

		Designation	Description	Ref	€ Excl. tax
		**MHP**	**DHW priority hydraulic module** 1'' DHW primary hydraulic module including DHW thermostat with connectors, charging pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 444**	**468**
		MHP-FM	Same as MHP + magnetic filter	**900 498**	**603**
		**MHP RC7**	**DHW priority hydraulic module for Connect models** 1'' DHW primary hydraulic module including DHW temperature sensor for RC7 controller, charging pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 478**	**452**
		MHP RC7-V2V	Same as MHP RC7 + 2-way valve with automatic return	**900 668**	**604**
		MHP RC7-FM	Same as MHP RC7 + magnetic filter	**900 613**	**588**
		**MHP GFI**	**DHW priority hydraulic module for GFI boilers** 1'' DHW primary hydraulic module including DHW temperature sensor for GFI controller, charging pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 490**	**452**
		MHP GFI-FM	Same as MHP GFI + magnetic filter	**900 615**	**588**
		**MHP BM**	**DHW hydraulic module for biomass boilers without controller** 1'' DHW primary hydraulic module including DHW thermostat with connectors, boiler thermostat with connectors, charging pump, anti-thermosiphon valve, shut-off valves, flow/return thermometers and insulation shells.	**900 486**	**524**
		MHP BM-FM	Same as MHP BM + magnetic filter	**900 614**	**660**

Accessories for hydraulic modules

 *SMV-E*	**CE6-34-130**	Electronic circulator, 130 mm spacing, 1'' M connection	**900 570**	**238**
	CE6-49-180	Electronic circulator, 180 mm spacing, 1''1/2 M connection	**900 571**	**238**
	RECS	External DHW priority relay without RTE (for Optitherm, OptiCondens, OptiPellet boilers)	**900 561**	**64**
	V3V	Manual 3-way valve, motorisable	**900 387**	**95**
	SMV	Actuator for motorisation of 3-way valve	**900 548**	**249**
	SMV-E	Actuator with outdoor temperature control for motorisation of 3-way valve, supplied with flow sensor and outdoor sensor	**900 578**	**466**

Expansion vessels and safety valve

	Designation	Description	Ref	€ Excl. tax
 	**18 litres**	Nitrogen-pressurised expansion vessel precharged at 1.5 bar. Wall-mounted installation. Connection fitting: 3/4'' M. Maximum operating temperature: 99 °C.	**900 370**	**55**
	24 litres		**900 365**	**65**
	35 litres		**900 366**	**109**
	50 litres	Nitrogen-pressurised expansion vessel precharged at 1.5 bar. Floor-mounted installation. Connection fitting: 3/4'' M (1'' M for 200-litre model). Maximum operating temperature: 99 °C.	**900 367**	**129**
	80 litres		**900 625**	**219**
	100 litres		**900 368**	**247**
	150 litres		**900 626**	**371**
	200 litres		**900 369**	**431**

Designation		Description	Ref	€ Excl. tax
PSRV stand		Connection stand with water supply, including removable air vent with check valve, pressure gauge valve, and connection with check valve for wall-mounted expansion vessel up to 35 litres.	**900 564**	**97**
Pressure gauge valve		Pressure gauge valve 3 bar	**900 404**	**23**

Room thermostats

Class IV programmable electronic room thermostat
Features:
3 temperature setpoints (Comfort, Economy, Frost Protection)
4 operating modes (Auto, Manual, Holiday, Off)
Override possible from 30 minutes up to 72 hours

Designation	Description	Ref	€ Excl. tax
TH4-F Wired	Wired Class IV room thermostat with weekly programming.Possible action on circulating pump or burner.Recommended connection: 2 non-polarised wires, 0.75 mm² diameter.Possible diameter: 0.3 to 1.5 mm².	**900 470**	**67**
TH4-R Wireless	Wireless Class IV room thermostat including a weekly programming transmitter and a compact 868 MHz receiver.Possible action on circulating pump or burner.	**900 471**	**175**

Draft regulators

Stainless steel draft regulator with precise adjustment by counterweight on numbered graduations, gasket for tightness, and silent stop for flap closure.
Locking tab included.

Designation	Description	Ref	€ Excl. tax
MT150	Draft regulator, diameter 150 mm	**900 466**	**167**
MT180	Draft regulator, diameter 180 mm	**900 467**	**247**

Universal bio-oil burner for all boilers on the market

Single-stage oil burner with a maximum output of 41 kW.
Micrometric and progressive adjustment of primary and secondary air.

Designation	Description	Ref	€ Excl. tax
BIO-F30 16-40	Universal burner suitable for domestic heating oil or bio-oil containing up to 100% renewable energy. Can be installed on any oil boiler on the market (low-temperature or condensing, chimney or balanced flue). Adjustable output from 16 to 40 kW.	**900 640**	**990**

Bio-oil burners F30 for PERGE boilers

Single-stage bio-oil burner with a maximum output of 41 kW.
Micrometric and progressive adjustment of primary and secondary air.

Designation	Description	Ref	€ Excl. tax
FE24-Bio30	Bio-oil burner FE24-Bio30 without finishing cover. For operation with biofuel up to 100% rapeseed EMAG.Factory-fitted nozzle: 0.50 at 60° S.Nominal output: 24.6 kW.Ideal for converting oil boilers of the OptiPac, Optitherm, and OptiCondens series into Bio-oil F30 boilers.	**900 590**	**950**
FE32-Bio30	Bio-oil burner FE32-Bio30 without finishing cover.For operation with biofuel up to 100% rapeseed EMAG.Factory-fitted nozzle: 0.65 at 60° S.Nominal output: 33.8 kW.Ideal for converting oil boilers of the OptiPac, Optitherm, and OptiCondens series into Bio-oil F30 boilers.	**900 591**	**950**
FE-BIO30 cover adaptation kit	Burner cover with support To be fitted on FE24-Bio30 or FE32-Bio30 burners.	**900 633**	**40**
FE24-Bio30-C	Bio-oil burner FE24-Bio30 with finishing cover.Factory-fitted nozzle: 0.50 at 60° S.Nominal output: 24.6 kW.	**900 630**	**990**
FE32-Bio30-C	Bio-oil burner FE32-Bio30 with finishing cover.Factory-fitted nozzle: 0.65 at 60° S.Nominal output: 33.8 kW.	**900 631**	**990**

Gas burner

Gas burner without cover with gas ramp
Adjustable output from 24 to 32 kW.Delivered in natural gas version, factory-set to 24 kW.Propane conversion kit supplied.

Designation	Description	Ref	€ Excl. tax
GE24-32	Gas burner GE24-32.For Optitherm 24 or 32 boilers, 600 mm width.Delivered in natural gas version with propane conversion kit.	**900 477**	**1 385**
Commissioning	Commissioning of gas burner GE24-32	**MESBRG**	**390**

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