



PRODUCT LIST 2022





You Feel, We Care

is our new tagline and contains a renewed promise. to work every day with commitment and passion while offering tangible benefits.

And we do this by developing systems which are able to ensure comfort and health as well as a pleasant living space

We continue to follow the principles that have always inspired us: the use of the **best materials**, the research for **advanced technologies**, and a **specialized service** for design, technical assistance and trainina.

These are the same reasons that guided us in identifying the perfect comfort system.

In our solution four elements (surface heating/cooling, air handling, temperature control, heat pumps) interact synergistically to spread in every room the ideal living conditions, in which our skin can perceive a unique feeling of wellbeing.

HEAT PUMPS



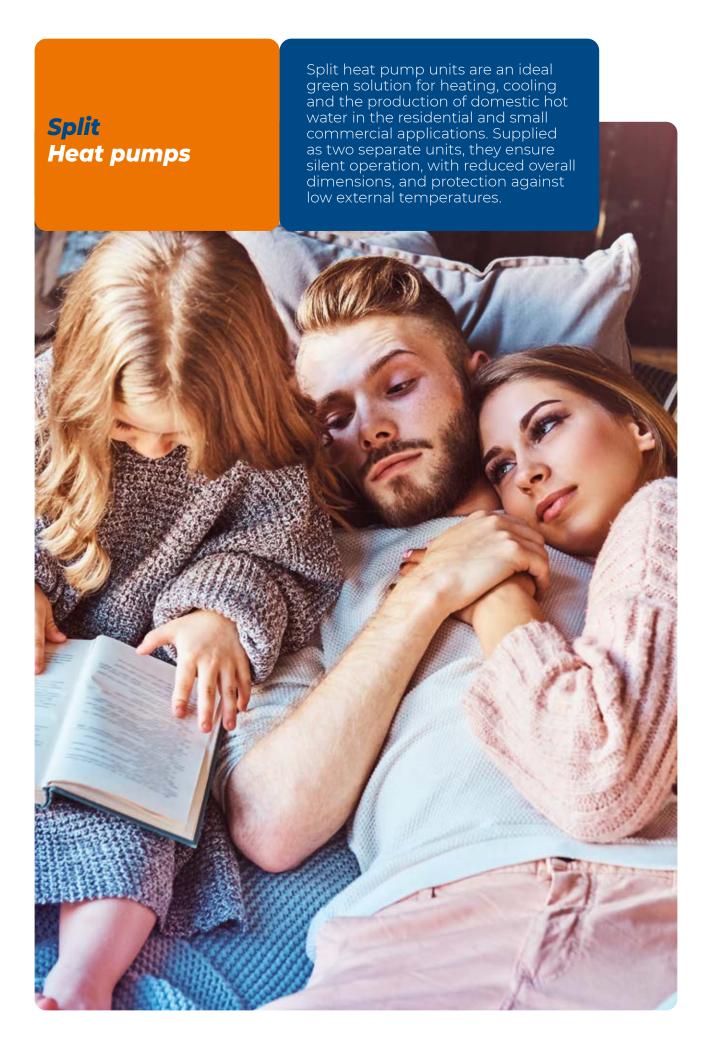


RDZ high efficiency air to water heat pumps are renewable source generators capable of transferring the thermal energy present in the air to the radiant system fluid, to heat in winter, cool in summer and produce domestic hot water in the respect for the environment, with high energy savings.

high energy savings.

Available in monobloc and split units, they are suitable for residential and commercial applications and can be effectively used both in new buildings and in the case of energy upgrading of existing systems.



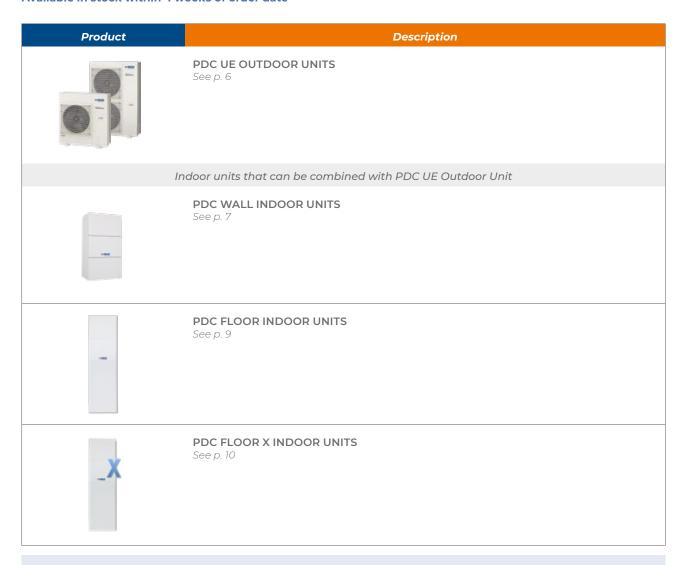


Split heat pumps

RDZ PDC are split heat pumps with reversible cycle for winter heating, summer cooling, and domestic hot water, available in different units ranging from 5 kW to 25 kW. Designed for residential and small commercial applications, they consist of two separate units (outdoor and indoor) connected to each other by a copper line for refrigerant (gas) circulation. This split construction implies compact size, silent running and protection against low outdoor temperatures.

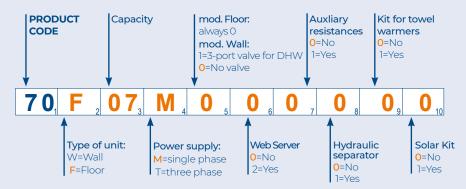
Thanks to high SCOP levels (seasonal coefficient of performance), they ensure low energy consumption and optimal functioning from -20 $^{\circ}$ C up to +45 $^{\circ}$ C.

Available in stock within 4 weeks of order date



CODING SYSTEM FOR INDOOR UNITS

The following coding makes it possible to configure your PCD Wall or Floor indoor unit by some easy steps.



From the left to the right:

1) product code 2) type of unit 3) capacity 4) power supply 5) 3-port valve for DHW water (supplied as standard in all Floor models) 6) remote control through Web Server 7) electrical resistances as auxiliary heater 8) hydraulic separator between primary and secondary circuits (available for Floor models onl9) connection for medium-temperature radiators such as towel warmers (available for Floor models only)

10) connection to solar plant (available for Floor models only)

Heat Pump outdoor units

This is a complete range of units from 5 to 25 thermal kW designed to be placed outdoors and connected to the indoor unit with copper line for refrigerant (gas) circulation. Characterized by high performance, these units are extremely efficient and boast an "A++" energy class rating.

Product	Description	Code	
DC Inverter	PDC UE OUTDOOR UNIT The outdoor unit can work at outdoor temperature between -20 °C and +45 °C by using a climate control adjustment. This makes it possible to compensate the winter setpoint of the water system according to the outdoor temperature, thus improving heating capacity up to +30%. Furthermore, a special modulation logic ensures even higher performance during DHW heating to set value. The outdoor unit is precharged with R410a gas for a 30-m distance from the indoor unit, but pipe connection between outdoor and indoor units can be up to 50 m long considering extra gas amount. Modulation of the generated power can vary from 15 Hz to 110 Hz. Defrost cycle works using hot gas injection technology to avoid frequent inversions. The outdoor unit can be combined with Wall, Floor or Floor X indoor units.		
	PDC 05 UE	70E05M0	
	PDC 07 UE	70E07M0	
	PDC 09 UE	70E09M0	
	PDC 12 UE	70E12M0	
	PDC 12T UE	70E12T0	
	PDC 15 UE	70E15M0	
	PDC 15T UE	70E15T0	
	PDC 18T UE	70E18T0	
	PDC 25T UE	70E25T0	
	Specifications		

model	heating capac. kWt ⁽¹⁾	heating capac. kWt ⁽²⁾	COP ⁽²⁾	cooling capac. kWf ⁽³⁾	EER ⁽³⁾	volt.	heating sound pressure ⁽⁴⁾	cooling sound pressure ⁽⁴⁾	size mm Ixdxh	weight Kg
PDC 05 UE	4.59	6.82	4.11	6.00	3.43	230	50 dB(A)	48 dB(A)	940x340x619	39
PDC 07 UE	7.20	12.53	4.34	77.07	4.03	230	50 dB(A)	48 dB(A)	940x340x619	40
PDC 09 UE	8.73	13.72	4.52	11.27	4.22	230	50 dB(A)	48 dB(A)	940x340x996	69
PDC 12 UE	11.70	18.32	4.45	16.74	4.33	230	52 dB(A)	52 dB(A)	940x340x1416	98
PDC 12T UE	11.70	18.32	4.45	16.74	4.33	400	52 dB(A)	52 dB(A)	940x340x1416	98
PDC 15 UE	14.74	22.76	4.59	18.56	3.98	230	53 dB(A)	53 dB(A)	940x340x1416	98
PDC 15T UE	14.74	22.76	4.59	18.56	3.98	400	53 dB(A)	53 dB(A)	940x340x1416	98
PDC 18T UE	17.36	26.94	4.37	23.15	4.27	400	55 dB(A)	54 dB(A)	940x340x1416	98
PDC 25T UE	18.37	31.07	4.06	32.64	4.20	400	58 dB(A)	57 dB(A)	940x340x1526	128

1) Hot water at 35° C, outdoor air temperature at -7° C R.H. 85% 2) Hot water at 35° C, outdoor air temperature at -7° C, R.H. 85% 3) Cold water at 18° C, outdoor air temperature at 35° C 4) Sound pressure level at a distance of 1 m Note: Nominal performance according to UNI EN 14511. Energy efficiency according to UNI EN 14825.

Product	Code		
	Accessories for PDC UE outdoor units		
RUBBER MOUNTS Set of anti-vibration adjustable	7028076		
PRESSURE RELIEF VALVE Differential by-pass valve with 10÷60 kPa.	C633005		



High mod. of power













Warranty extension

DC Inverter DC Inverter fans compressor

Twin High Rotary performances

Heat pump Wall indoor units

The PDC Wall are indoor units to hang on the wall, connected to the outdoor unit with copper line for refrigerant (gas) circulation. Efficient, versatile and compact, they can be easily controlled remotely, and easily installed and maintained thanks to their opening panel in the front side.

Product	Description	Code
DC Inverter	PDC WALL UI INDOOR UNIT This indoor unit has been designed for wall installation, and it is suitable for heating/cooling systems in residential applications even with central supply. The heat pump includes 6-litre expansion tank, DHW sensor, safety valve and differential pressure switch for safe water circulation, high-efficiency DC primary circulation pump, external sensor, water filter, and water to gas heat exchanger. The control panel is easily accessible from the front side of the module, and makes it possible to check and set the main parameters (e.g. defrost, anti-legionella cycle, power modulation, alarms, additional boiler, supply water temperature according to the outdoor conditions). DHW can be produced by installing an external diverting valve. Max. temperature for the compressor: 56 °C; the use of auxiliary heaters makes it possible to reach 65 °C in the DHW tank. The optional components (the auxiliary heaters of 2/4/6 kWe and the Web Server to manage the combination with PV cells) are installed inside the unit, therefore they shall be specifically requested at time of order. All water and refrigerant connections are invisible and aligned at the bottom of the unit.	
	PDC Wall 05	70W05M000000
	PDC Wall 07	70W07M000000
	PDC Wall 09	70W09M000000
	PDC Wall 12	70W12M000000
	PDC Wall 12T	70W12T000000
	PDC Wall 15	70W15M000000
	PDC Wall 15T	70W15T000000
	PDC Wall 18T	70W18T000000
	PDC Wall 25T	70W25T000000
	Specifications	

model	voltage	sound pressure ⁽¹⁾ dB(A)	size mm lxpxh	weight Kg
PDC Wall 05	230	30	505x300x900	41
PDC Wall 07	230	30	505x300x900	41
PDC Wall 09	230	30	505x300x900	41
PDC Wall 12	230	31	505x300x900	41
PDC Wall 12T	400	31	505x300x900	41
PDC Wall 15	230	31	505x300x900	43
PDC Wall 15T	400	31	505x300x900	43
PDC Wall 18T	400	32	505x300x900	46
PDC Wall 25T	400	32	505x300x900	49

1) Sound pressure (at 1 m)

Accessory for code composition	Example	Description	
3-PORT VALVE FOR DHW	70W05M <mark>1</mark> 00000	Diverter valve for DHW and heating system	
WEB SERVER	70W05M0 2 0000	Remote control through Web Server	
AUXILIARY RESISTANCES 6 kW	70W05M00 <mark>1</mark> 000	Settable 3 step electric support resistance (2-4-6 kW)	

The addition of each item implies and extra price as shown in the table.























emote D

DC Inverter circulator

Veb R4

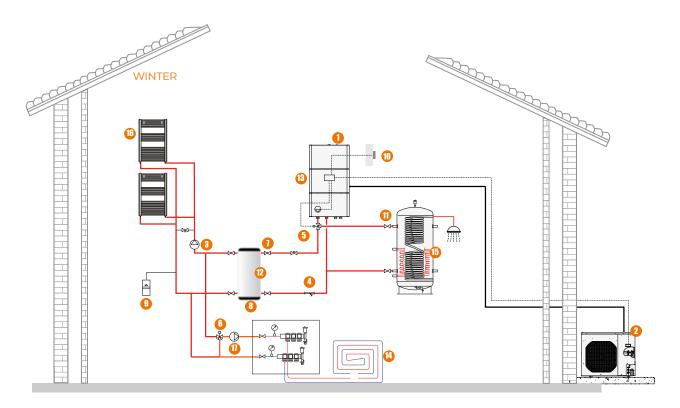
Dynamic

lates Desista

Anti legionella

System Diagram with Wall UI Heat Pumps

The diagrams below show the distribution and the connection of the main hydraulic components of an underfloor heating and cooling system including air handling units (for summer dehumidification and additional sensible heating/cooling capacity). Energy generation at high efficiency is achieved through PDC split heat pump, consisting of one outdoor unit mod. PDC UE and one indoor unit mod. PDC Wall UI for wall-upright installation. If necessary, the system can be equipped with auxiliary resistances. Optionally you can install a DHW tank which can be connected with solar collectors.



- PDC Wall UI indoor unit
- PDC UE outdoor unit
- HT secondary circulation pump
- Water filter 500 micron
- 5. Diverter valve for heating / DHW
- Mixing valve for radiant system Shut-off valve

- 8. Temperature relief valve
- Expansion vessel
- 10. Outdoor sensor
- Stainless steel coil for DHW
- 12. Hydraulic separator
- 13. Room thermostat
- 14. Underfloor heating/cooling
- 15. DHW storage tank
- 16. Towel warmers or air handling units 17. Circulation pump for heating/cooling
- **SUMMER** ß

Heat pump Floor indoor units

The PDC Floor are indoor units to place on the floor connected to the outdoor unit by a copper line for refrigerant (gas) circulation. Elegant, compact and complete, they include a 200L inertial storage tank with instantaneous heat exchanger for domestic hot water.

Product		Description		Code	
DC Inverter	This ind installative as well as The hear inertial is safety vocification automate valve, exexchange and aligned accessible power responsible power to separation secondarie electronic integratic with shout the use of the	DOR UI INDOOR UNIT DOOR UNIT DOOR UNIT DOOR UNIT HAS been designed on (60x60cm), and it is suitable is heating/cooling systems in resit to pump includes 24-litre expositorage tank with instantaneous live and differential pressure sin, high-efficiency DC primary ic air venting to release trappeternal sensor, water filter and extend sensor, water filter and extend at the top of the unit. The content of the main parameter of the front side of the main parameter of the outdoor conditions, of the outdoor conditions, of the outdoor conditions, of the outdoor conditions, of the management for DHW and components are: auxiliary heating manage the combination with the circulation pump for the controller, thermostatic mixing controller.	for DHW production idential applications. ansion vessel, 200-Luss heat exchanger, witch for safe water y circulation pump, ed air, DHW diverter water to gas heat nections are invisible ontrol panel is easily odule, and makes it ameters (e.g. defrost, water temperature 10V control from PV system integration), ers of 2/4/6 kWe, Webh PV cells, hydraulic ween primary and solar collectors withing valve and DHW houses for 4 people e compressor: 56 °C; ssible to reach 65 °C		
			PDC 05 Floor	70F05M000000	
			PDC 07 Floor	70F07M000000	
			PDC 09 Floor	70F09M000000	
			PDC 12 Floor	70F12M000000	
			PDC 12T Floor	70F12T000000	
			PDC 15 Floor	70F15M000000	
			PDC 15T Floor	70F15T000000	
		Specifications			

model	voltage	sound pressure ⁽¹⁾ dB(A)	size mm lxpxh	weight Kg
PDC 05 Floor	230	30	600x600x2000	172
PDC 07 Floor	230	30	600x600x2000	172
PDC 09 Floor	230	30	600x600x2000	172
PDC 12 Floor	230	31	600x600x2000	172
PDC 12T Floor	400	31	600x600x2000	172
PDC 15 Floor	230	31	600x600x2000	172
PDC 15T Floor	400	31	600x600x2000	172

1) Sound pressure (1 m)

Accessory	Sample code	Description
WEB SERVER	70F05M0 2 0000	Remote control through Web Server
ILIARY RESISTANCES 6 kW	70F05M00 <mark>1</mark> 000	Auxiliary heaters which can be set at 2-4-6 kW
SEPARATION KIT	70F05M000 <mark>1</mark> 00	Hydraulic separator between primary and secondary circuits with circulation pump (mandatory accessory for PDC Floor UI 12 and 15, recommended for all the other models)
FOR TOWEL WARMERS	70F05M0000 <mark>1</mark> 0	High-temperature hydraulic module with dedicated circulation pump for radiators such as towel warmers
SOLAR KIT 70F05M000001		Circulation pump for solar collectors, electronic controller, safety valve, pressure gauge, 24-L expansion vessel for the solar circuit, thermostatic mixing valve for DHW in order to prevent people from scalding























Remote

DC Inverte

eous We

Dynamic Set Input

Plates Resistances

Heat pump Floor X indoor units

The PDC Floor X are indoor units to place on the floor connected to the outdoor unit a copper line for refrigerant (gas) circulation. They already include a 200L tank for the production of DHW and a 24L buffer storage tank to guarantee the minimum technical water necessary for the right funcioning of the heat pump.

Product Code Description PDC FLOOR X UI INDOOR UNIT DC Inverter This indoor unit has been designed for floor-standing installation (60x60cm), and it is suitable for DHW production as well as heating/cooling systems in residential applications. The heat pump includes 24-litre expansion applications. The heat pump includes 24-litre expansion vessel, 30-L storage tank for the heating/cooling system, 200-L storage tank with instantaneous heat exchanger, safety valve and differential pressure switch for safe water circulation, high-efficiency DC primary circulation pump, automatic air venting to release trapped air, DHW diverter valve, external sensor, water filter and water to gas heat exchanger. This version is characterized by the hydraulic separator and the storage tank with a circulation pump for the secondary circuit, which ensure high performance for the heating/cooling system in terms of both flow-rate and pressure. The optional components (the auxiliary heaters of 2/4/6 kWe and the Web Server to manage the combination *RDZ with PV cells) are installed inside the unit, therefore they shall be specifically requested at time of order. The control panel is easily accessible from the front side of the module, and makes it possible to check and set the main parameters (e.g. defrost, power modulation, alarms, supply water temperature according to the outdoor conditions, boiler management for DHW and system integration). This unit ensures DHW in houses for 4 people. Max. temperature for the compressor: 56 °C; the use of auxiliary heaters makes it possible to reach 65 °C in the DHW tank, even for frequent showers (necessary anti-scalding device). 70X05M0 PDC 05 Floor X 70X07M0 PDC 07 Floor X 70X09M0 PDC 09 Floor X PDC 12 Floor X 70X12M0 Specifications sound pressure(1) dB(A) voltage size mm lxpxh weight Kg PDC 05 Floor X 230 30 600x600x2000 180 PDC 07 Floor X 230 30 600x600x2000 180 PDC 09 Floor X 230 30 600x600x2000 180 31 600x600x2000 180 PDC 12 Floor X 230 1) Sound pressure (1 m) Sample code Description Accessorv **AUXILIARY RESISTANCES** Auxiliary heaters which can be set at 2-4-6 kW 70X05M1 6 kW



WEB SERVER

AUXILIARY RESISTANCES +

WEB SERVER







70X05M4

70X05M5

The addition of each item implies and extra price as shown in the table.





through Web Server



Remote control through Web Server



Auxiliary heaters which can be set at 2-4-6 kW. Remote control













System circulato

DC inverte circulator

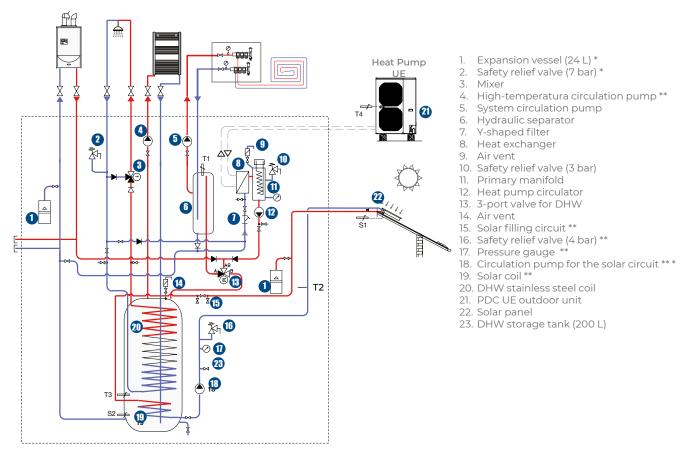
Instantaneo

Server

Dynai

System Diagram with PDC Floor UI Heat Pumps

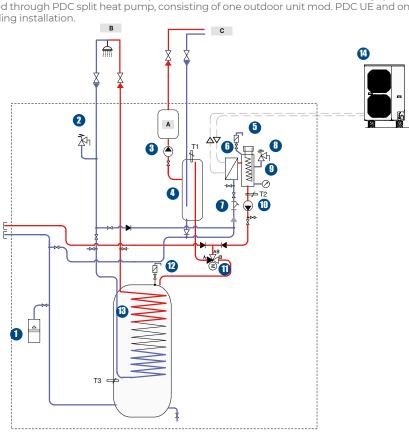
The diagram belows show the distribution and the connection of the main hydraulic components of an underfloor heating system. Energy generation at high efficiency is achieved through PDC split heat pump, consisting of one outdoor unit mod. PDC UE and one indoor unit mod. PDC Floor UI for floor-standing installation. If necessary, the system can be equipped with auxiliary resistances or it can be combined with a boiler.



System Diagram with PDC Floor X UI Heat Pumps

The diagram belows show the distribution and the connection of the main hydraulic components of an underfloor heating system. Energy generation at high efficiency is achieved through PDC split heat pump, consisting of one outdoor unit mod. PDC UE and one indoor unit mod. PDC Floor X UI for floor-standing installation.

- A. Inertial tank
- B. Domestic hot water
- C. Heating and cooling system
- 1. Expansion vessel (24 L)
- 2. Safety relief valve (7 bar)
- System circulation pump (P2)
- 4. Hydraulic separator
- 5. Automatic air vent
- 6. Plate heat exchanger
- 7. Y-shaped filter
- 8. Safety relief valve (3 bar)
- 9. Manifold with resistance
- 10. Heat pump circulator (P1)
- 11. 3-port valve
- 12. Air vent
- 13. Stainless steel coil for DHW
- 14. Outdoor unit
- T1. Sensor for the hydraulic separator
- T2. Exchanger outlet sensor
- T3. DHW sensor

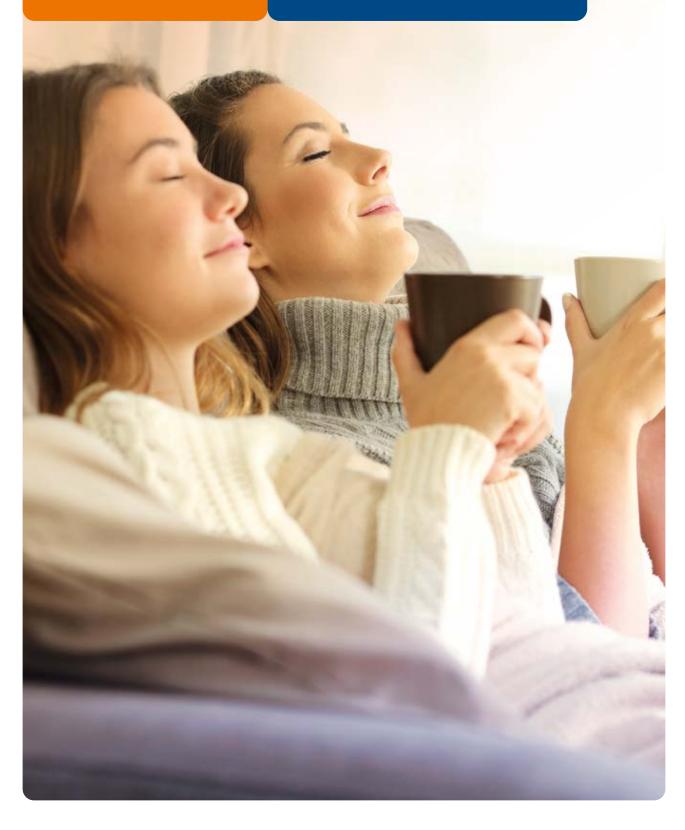


DHW and technical water tanks for split heat pumpsThe DHW and technical water tanks for split heat pumps allow for the completion of the technical room, allowing simple and safe storage of domestic hot water and technical water for the system.

Product			Descriptio	n			Code	
Product			•					
3 . 6	FAST DHW BUFFER TANK Thermal store tank for heating water with stratifier and extractable exchanger for instantaneous DHW production made of copper with a 5-m² surface. Carbon steel casing with 100-mm thick insulation made of soft polyurethane. The heat exchanger makes for the instantaneous generation of domestic hot water and eliminates the need of antilegionella cycles. This is an ideal solution to be combined with a heat pump. If the storage temperature is This model is equipped with inertial tank with coil for the instantaneous DHW production.							
	· at 45 °C, t (water sup) · at 50 °C, t (water sup) · at 54 °C, t	oly network he available oly network	e DHW flow ro at 10 °C). e DHW flow ro at 10 °C). e DHW flow ro	ıte is 24	4 I/m at 4	40 °C		
	1- Inertial w 2- Inertial v	vith coil for i	ons: nstantaneous instantaneous n with solar th	s DHW	, product			
	model	capacity	size mm		HW coil	solar coil		
	standard	300 L	Ø 700 - h 155		5.0 m ²		7030305	
	S1	300 L	Ø 700 - h 155		5.0 m ²	1.8 m²	7031305	
	standard	500 L	Ø 850 - h 169	10 5	5.0 m ²		7030505	
	S1	500 L	Ø 850 - h 169		5.0 m²	2.4 m²	7031505	
	S1	800 L	Ø 990 - h 179		3.5 m ²	3.0 m ²	7031808	
	31	000 L	90 500 - 11173	, , ,	5.5111	5.0111	, 00.000	
· HOX	ALL IN ONE CYLINDER Carbon steel cylinder for domestic hot water with 2 coils, provided with anodic protection and inner treatment in compliance with DIN 4763-3 and UNI 10025 standards. Specifically designed to be combined with a heat pump. Thanks to the wide exchange surface of the coil, the cylinder makes it possible to produce domestic hot water at low temperature in the primary circuit. The unit is also equipped with a lower coil which can be combined with a solar heating system. In the lower part of the storage, there is an independent inertial tank of 80 L, completely insulated, which can be used for the heating/cooling system. This solution ensures the minimum content of technical water in the system, thus optimising the operation of the heat pump. The cylinder is also equipped with probe pocket and 50-mm thick insulation made of rigid polyurethane. Optionally, it is possible to provide the storage with 1.5 kW auxiliary heater.							
	ca	pacity	size mm		HW coil urface	solar coil DHW		
		300 L	Ø 690 - h 192		2.8 m²	0.9 m²	7032300	
		500 L	Ø 790 - h 204		i.4 m²	1.5 m ²	7032500	
				auxi	iliary hec	iter 1.5 kW	7030030	
• •	STORAGE TANK FOR BOILER ROOM Water tank acting as a hydraulic separator between the heating/cooling system and the heat pump. It is made of steel, external insulation of 5 cm made of injected polyurethane. Upright installation. Horizontal installation is also possible, even fixed to the wall. The tank is equipped with brackets.							
•			caj	pacity		size mm		
				25 L		00 - h 455	7029025	
				50 L		00 - h 935	7029050	
3				00 L		0 - h 1095	7029100	
				00 L		0 - h 1395	7029200	
			30	00 L	Ø 60	0 - h 1560	7029300	

Monoblock heat pumps

The range of HP monoblock heat pumps is an ideal solution for heating, cooling and producing domestic hot water while respecting the environment. Silent, reliable and with high energy saving performances, they are suitable for residential and small commercial applications.



Heat pumps monoblock units

This is a complete range of heat pumps from 6 to 14 kW that are versatile, reliable, silent and particularly efficient thanks to the use of Full DC Inverter technology. Equipped with a remotely accessible user interface with LCD display, they are also intuitive and easy to manage.

Product	Description	Code	
DC Inverter	HP MONOBLOCK UNIT Air to water monoblock heat pump for heating, cooling and DHW production with diverting valve combined to either FAST/ALL IN ONE tanks or SANIPLUS heat recovery unit to produce DHW in summer at low consumption. HP heat pump, boasting energy class A++, is equipped with high-efficiency modulating compressor (FULL INVERTER technology) and modulating primary circulation pump for surface heating/cooling or air conditioning. Thanks to the integrated control panel, the user can easily check set-point values and main water/gas parameters. HP heat pump can be combined with Home/Building automation systems via digital input/output or with other devices connected via Modbus protocol. Smooth defrost function works in combination with a large external coil, thus limiting the change of status and the defrost cycles. The possibility to operate at lower sound levels also ensures very high acoustic comfort in special conditions.		
	HP single-phase 06	7028406	
A***	HP single-phase 08	7028408	
A++	HP single-phase 11	7028411	
B	HP three-phase 11T	7028412	
	HP three-phase 14T	7028414	

Specifications

model	Cooling capacity Kwf ⁽¹⁾ - E.E.R.	Heating capacity Kwc ⁽²⁾ - COP	voltage	sound pressure dB(A)	size mm lxdxh
HP single-phase 06	(4.80 / 5.80) - 3.41	(5.80 / 6.60) - 4.12	230	40.0	1030x400x735
HP single-phase 08	(5.90 / 7.00) - 3.42	(8.10 / 9.30) - 4.18	230	43.0	1190x400x835
HP single-phase 11	(7.70 / 9.00) - 3.53	(10.40 / 12.50) - 4.09	230	46.0	1190x400x1070
HP three-phase 11T	(7.70 / 9.00) - 3.53	(10.40 / 12.50) - 4.09	400	46.0	1190x400x1070
HP three-phase 14T	(10.00 / 11.90) - 3.44	(13.60 / 15.50) - 4.05	400	49.0	1335x450x1270

1) Cold water from 23 to 18 °C, outside air temperature 35 °C. 2) Hot water from 30 to 35 °C, outside air temperature 7 °C

if cold water norm 25 to 10°C, outside air temperature 55°C. 2) not water norm 50 to 55°C, outside air temperature 7°C							
description	HP single-phase HP single-phase HP single-phase 06 08 11			HP three-phase 11T	HP three-phase 14T		
Maximum supply water temperature [°C]	up to 58						
Outdoor temperature range for heating [°C]	-20/+35						
Outdoor temperature range for cooling [°C]	+10 / + 47						
Nominal flow rate at 35 °C [m³/h]	1.00	1.39	1.78	1.78	2.31		
Maximum power consumption [kW/A]	2.8 / 12.7	3.5 / 15.9	4.5 / 20.5	4.5 / 20.5	5.3 /		
Minimum Water Volume [L]	40	40	80 80		80		
Weight [Kg]	64	73	90 90		160		

























Warranty extension

DC

DC Inverter

DC Inverter

Heat

DC Invert

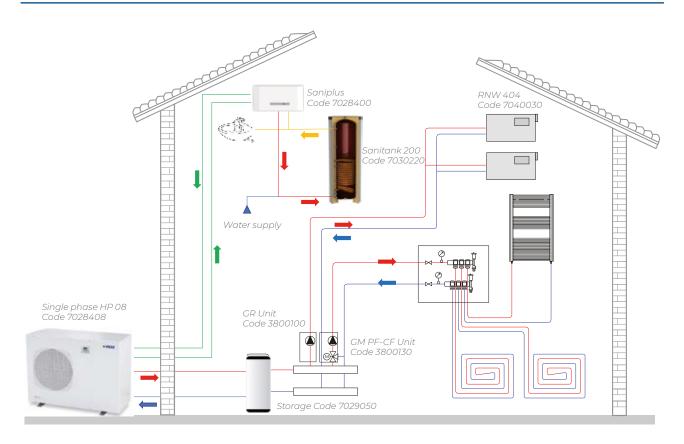
ModBus

Dynam Set Inn

ic Exchange

Product Descri	iption Code
Accessories for HP	P monoblock units
RUBBER MOUNTS Set of anti-vibration adjustable feet from 10 to 14 cm, ivory color	ur, M10 thread. 7028076
Y-SHAPED FILTER Ø 1" Inlet water filter. Mandatory component for warranty terms.	7028078
DHW DIVERTER VALVE Ø 1" 3-port valve to divert the flow DHW and heating system.	7028090
PI VALVE Ø 1" Safety valve to empty the system in case of frosting.	7025402
DHW SWITCHBOARD FOR HP HEAT PUMPS Control panel for DHW diverter valve and for anti-legionella cyc	cle, backup and recirculation. 7028401
REMOTE CONTROL FOR HP HEAT PUMPS User interface with LCD display for the remote control of HP ma	onoblock heat pumps. 7028105

System Diagram with HP monoblock heat pumps

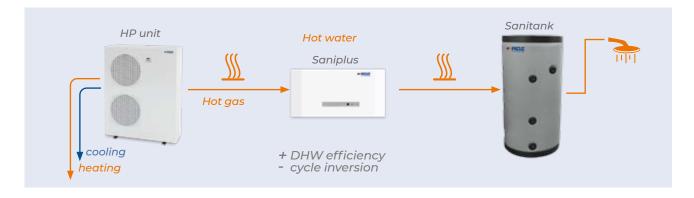


The diagram shows the distribution and the connection of the main hydraulic components of an underfloor heating and cooling system. Energy generation at high efficiency is achieved through HP monoblock heat pump. Saniplus ensures DHW production by transferring energy on a DWH tank.

DHW and technical water tanks for monoblock units

The DHW and technical water tanks for monoblock heat pumps allow for the completion of the technical room, allowing simple and safe storage of domestic hot water and technical water for the system.

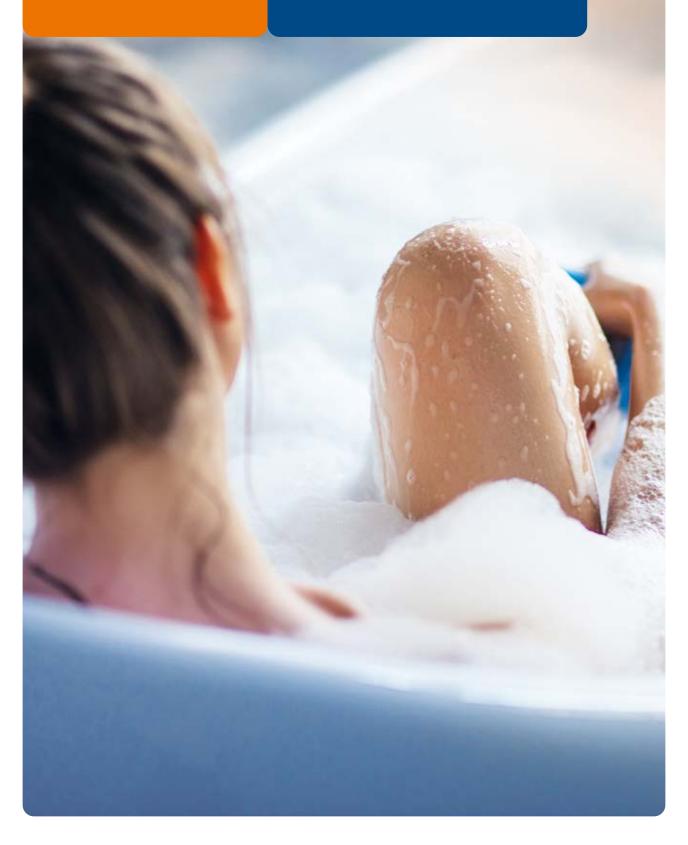
Product	Description	Code	
Heat	SANIPLUS MODULE DHW production module for HP monoblock units. Thanks to Saniplus, HP heat pumps are able to generate domestic hot water while producing energy for heating and cooling. In summer mode, with the application of a proper refrigerant circuit, Saniplus makes it possible to recover most of the condensation heat, which can be transferred to Sanitank in order to produce DHW. In winter mode, both heating and DHW are guaranteed at the same time. Saniplus module is also equipped with water-to-gas exchanger with circulation pump, and the built-in electronics can control up to 3 groups of auxiliary heaters. Furthermore, the integrated flow-meter, storing the number of DHW withdrawal per hour, can calculate the necessary time for the DHW to reach the set value. The module works properly if it is provided with the auxiliary resistance.	7028400	
	AUXILIARY HEATER 1.5 kW Auxiliary Heater	7030030	
ROZ	SANITANK Storage tank for sanitary hot water production. Water heater made of carbon steel, complete with anodic protection, inside vitrification treatment according to DIN 4753-3 and UNI 10025. Sanitank ensures high efficiency and energy saving, and it is suitable for the combination with Saniplus. It is a versatile solution, which makes for fast and easy installation. Sanitank 200 technical features: Total capacity: 212 L Tot. height with insulation: 1280 mm Weight empty: 70 kg Sanitank 300 technical features: Total capacity: 291 L Tot. height with insulation: 1680 mm Weight empty: 105 kg Coil for Sanitank 300 technical features: Absorbed Power: 43 kW Exchanger Surface: 1.80 m² Water Connections Ø ¾" Weight: 11.7 kg		
	Sanitank 200 L	7030220	
	Sanitank 300 L	7030231	
	Coil kit for Sanitank 300 L	7030222	



Product		Description			Code	
Product	EVEL DRIVE BILL				Code	
3 . 8	extractable excharade of copper with 100-mm thick heat exchanger in domestic hot wate cycles. This is an inpump. With storage tem at 45 °C, the avair (water supply networter s	nk for heating wateringer for instantane with a 5-m² surface k insulation made of shakes for the instanter and eliminates the deal solution to be comperature: Insulation Insulation				
		for instantaneous D ation with solar thern		tion		
	model capac	ity size mm	DHW coil	solar coil DHW		
	standard 300	L Ø 700 - h 1550	5.0 m ²		7030305	
	S1 300	L Ø 700 - h 1550	5.0 m ²	1.8 m²	7031305	
	standard 500	L Ø 850 - h 1690	5.0 m ²		7030505	
	S1 500	L Ø 850 - h 1690	5.0 m ²	2.4 m²	7031505	
	S1 800	L Ø 990 - h 1790	8.5 m ²	3.0 m ²	7031808	
RIDZ	provided with a compliance with Specifically design Thanks to the cylinder makes in at low temperatequipped with a solar heating sys is an independent which can be usolution ensures in the system, thus of the cylinder is als thick insulation in	inder for domestic hinder for the heating the minimum contern for equipped with 1.5 and of for the storage with 1.5 and of rigid polyure the storage with 1.5 and for domestic hinder for for domestic hinder				
	capacity	size mm	DHW coil	solar coil DHW		
	300 L	Ø 690 - h 1925	2.8 m²	0.9 m²	7032300	
	500 L	Ø 790 - h 2040	4.4 m²	1.5 m²	7032500	
		(auxiliary hed	ater 1.5 kW	7030030	
•	Water tank actir heating/coolings external insulatio Upright installati	FOR BOILER ROOng as a hydraulic se ystem and the heat p in of 5 cm made of i on. Horizontal install wall. The tank is equip				
0.		25 L		size mm 00 - h 455	7029025	
		50 L		00 - h 935	7029050	
		100 L	_ Ø 50	0 - h 1095	7029100	
		200 L	Ø 55	0 - h 1395	7029200	
		300 L	_ Ø 60	0 - h 1560	7029300	

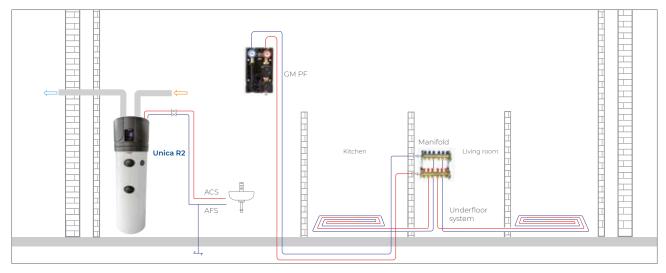
Unit for the autonomous production of domestic hot water

The water heaters operating with a heat pump exploit the thermal energy present in the environment or from renewable sources for the production of domestic hot water in complete safety and with high energy savings.



DHW production units

Product			Description			Code	
NEW COMPRESSOR MADE IN JAPAN COP=3.41-A14W55	UNICA R2 Heat pump for a steel tank with system boastin regular mainter thermal insulat refrigerant, electectrical heate of a new high-el in winter and shorovided with 1 alarm check ar and thermal swhile 0-10V in Power supply 23 heater of 1500 V UNICA R2 is avacombined with 1. Standard: con as heating sound a system with selection of the system with selection of the system suitable to UNI 8065: 201 Recommended UNICA 200 (set a shower showers	h vitrifiing 5-year on an					
	model capacity size mm surface weight Kg coil m²						
Δ _L A	standard 2	200 L	Ø 654 - h 1638		98	7026231	
72	S1 2	200 L	Ø 654 - h 1638	S1=1.2	113	7026236	
XL A	standard .	260 L	Ø 654 - h 1888		106	7026131	
	S1	260 L	Ø 654 - h 1888	S1=1.2	121.5	7026136	
	solar sensor / DHW recirculation					7028154	

















Our history



For over 40 years we have been a worldwide reference company in the field of heating and cooling systems. We work with passion to ensure indoor comfort thanks to innovative solutions, specifically for residential, commercial and industrial buildings. We design and produce high-efficient and high-performance systems which offer energy saving, comfort and health throughout the year. Invisible solutions spreading a unique sensation of wellbeing in any room.



