

Accessories for geothermal devices

MFREE

Description

The Freecooling module is the method that makes direct use of the cooling energy available in the subsoil for summer air conditioning, supplied with a structure in varnished steel, a high efficiency plate heat exchanger and an electric diverter valve. Regulation optimized by the Galileus software.

Model

MFREE small	for sizes 6-8
MFREE medium	for sizes 12-14-16
MFREE large	for sizes 20-24-33
MFREE A	for sizes 40-50
MFREE B	for sizes 60
MFREE C	for sizes 80-100
MFREE EASY	for GEO Easy models (in combination with MFREE control kit)



HFREE

Description

The Freeheating module is the method that makes direct use of the heating energy available in the PVT panel in the lanus system, supplied with a structure in varnished steel, a high efficiency plate heat exchanger and an electric diverter valve. Regulation optimized by the Galileus software.

Model

HFREE small	for sizes 6-8
HFREE medium	for sizes 12-14-16
HFREE large	for sizes 20-24-33



Accessories



SOLAR KIT

Model	Description
geosol	Solar kit for GEO HFE heat pumps is a control unit supplied with a solar circulator management board and a temperature sensor contact board(2), which have to be placed on collectors and the storage tank. The Galileus software manages the integration of the collectors and their correct operation.
IANUS SOL	The solar system control module for the IANUS System, manages the PVT thermal-photovoltaic panel as a thermal collector. Controlled and managed by the Galileus software (only for GEO HFE).
IDEA SOLAR KIT	It consists of a control card to adjust solar collectors. Fitted inside the Idea unit, it makes it possible to transfer the heat supplied by the thermal solar collectors to the water heater through an external heat exchanger.
EOS PLUS SOLAR KIT	It consists of a control card to adjust solar collectors. Fitted inside the EOS PLUS unit, it makes it possible to transfer the heat supplied by thermal solar collectors to the water heater through an internal heat exchanger.



WEB KIT

Description

Network board for the connection and complete management of the heat pump via Internet, does not require the installation of software. It requires a permanent Internet connection with fixed IP.



AREA KIT

Description

Temperature/humidity control kit for up to 30 room areas.
It consists of the following elements:

1. Kit My-Zone: room temperature and humidity thermostat. There are as many kits as room areas to control.
2. My-Board kit: RS485 expansion board with connectors. It is used to control:
 - 2 dehumidifiers
 - 2 area valves / area pumps
 - 1 mixer valve.

Here are its main features:

- Standard power supply (115-230 Vac)
- Measurement of temperature and relative humidity
- Internal Clock
- Compatible with IT, DE, CN and US
- Time-based programs: for 5+2 days, for 7 days or for individual days (up to 6 time slots a day).
- Communication with the RS485 control board with the "master Modbus protocol".
- Connection of up to 30 My-Zone room thermostats on the same network.
- Operating limits: -10 / 50°C.

3. Kit RS485 field-bus: RS485 board that can provide communication between Galileus 5 (on the machine), My-Zone and My-Board. Fixed component.

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DIVERTER KIT

Description

Diverter valve with electric actuator at 24V governed by the Galileus system for the transfer and recovery of the free thermal energy and distributing it inside the domestic storage or the device's storage (with electric control kit for GEO EASY-E).



MIXING KIT

Description

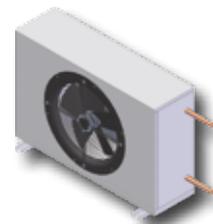
Servo-motor modulating mixing valve for controlling the temperature of the flow to the radiant floor.



DRY COOLER

Description

Air heat exchanger for the control of the superficial panel temperature in the summer



		Dry 6-8	Dry 10-12
	kW	15,01	29,91
Thermal power	m ³ /h	0,7	1,4
Liquid flow rate	m ³ /h	3156	6313
Electric power supply	V-Ph-Hz	230-1-50	230-1-50
Total power	W	130	260
Total nominal current	A	0,6	1,2
Pressure level (10m)	dB(A)	29	32
Couplings (In-Out)	pollici	1/2 - 1/2	1 - 1
Weight	kg	71	140
Conditions			
Air temperature	°C	35,0 - 50,0	
In/out liquid temperature	°C	60,0 - 40,1	
Propylene glycol liquid	%	30	
Dimensions			
L	mm	1105	2005
P	mm	428	428
H	mm	828	828

