

DHW heat pumps

ecoTHERMO PRO



ecoTHERMO 200 / 260 PRO

DHW heat pumps with Natural refrigerant R290



Range

ecoTHERMO 200

200 L



ecoTHERMO 260

260 L



Source



Air

Services

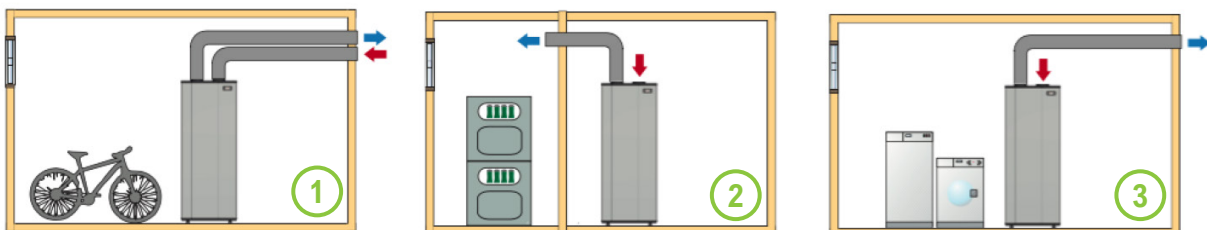


DHW

- Easy installation and low maintenance thanks to the built-in suction filter.
- Low-noise fan for supply and return air ducting. The pressure drop of the connection pipes and fittings shall be less than the static pressure of the equipment (100 Pa).
- DHW tank made of 444 stainless steel.
- Integrated recirculation connection as standard.
- Touch screen with 3 operating modes (ECO, Auto, OverBoost)
- Photovoltaic hybridisation. Connection to photovoltaic installations that allows free thermal energy storage.

- Interface integrated in the heat pump.
- Automatic anti-legionella disinfection.
- Available in single-phase power supply.
- Domestic hot water production up to 70°C with electrical heater.
- DHW heat pumps include pack with safety valve and silent blocks.
- Maximum reliability and high efficiency.
- Large volume of hot water always available.
- Intelligent control with hourly programming for electricity tariff periods.
- Easy access to the unit.

Types of connection

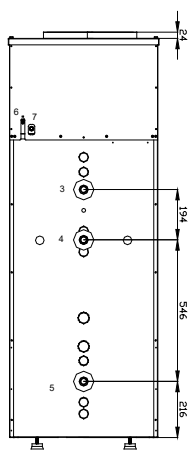
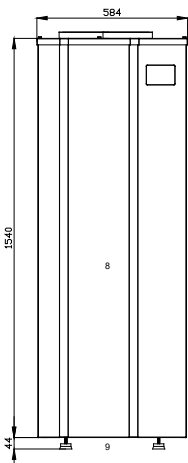
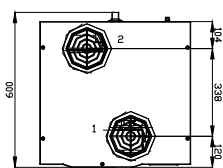


There are different options for connecting to ecoTHERMO PRO heat pumps, making it easier to adapt the heat pump to the installation:

1. OUT-OUT connection. Inlet and outlet ducts to the outside (confirm operation map).
2. IN-IN connection. Indoor inlet duct and outlet duct redirected to another indoor room. Possibility of recovering the air flow from the unit's outlet in order to cool a room. Connection only available if the output is in a technical room and is not a problem.
3. IN-OUT connection. Indoor inlet duct and outlet duct to the outside.

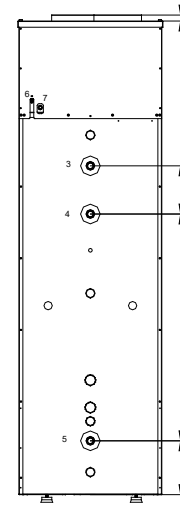
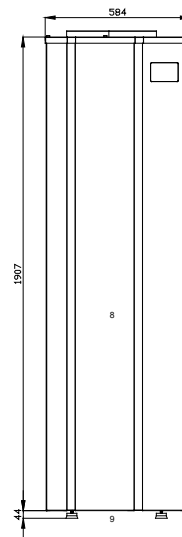
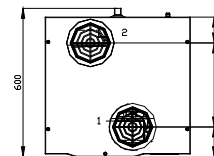
Dimensions and hydraulic connections

ecoTHERMO 200



1. Air inlet - 160mm
2. Air outlet - 160mm
3. Hot water outlet - 3/4".
4. Recirculation - 3/4".
5. Cold water inlet - 3/4".
6. Power supply 230V/1PH/50Hz
7. Condensate drain - 20mm
8. Electrical heater 1500 W /
Temperature sensor
9. Drainage outlet - 3/4" H

ecoTHERMO 260



ecoTHERMO GENERAL SPECIFICATIONS		UNITS.	ecoTHERMO 200 PRO	ecoTHERMO 260 PRO
APPLICATION	Place of installation	-	Indoor	
	Type of brine system	-	Air source	
PERFORMANCE	Heating capacity range ¹	W	1005 - 1750	
	COP (average climate, 14°C)	-	3,16	3,55
	SCOP / Energy efficiency (average climate)	- / %	2,95 / 123	3,24 / 133
	SCOP / Energy efficiency (warm climate)	- / %	3,16 / 133	3,55 / 147
	SCOP / Energy efficiency (cold climate)	- / %	2,26 / 94	2,60 / 106
	Max. DHW temperature without / with support ²	°C	60 / 70	
	Noise power emission level indoor ³	db	58	
	Energy level	-	A+	
	Load profile	-	L	XL
	DHW tank material	-	444 Stainless steel	
OPERATION LIMITS	Ambient temperature range	°C	-10 to 40	
	Flow (air) ⁴	m ³ /h	370	
	Available static pressure (air)	Pa	100	
	Maximum working pressure (tank)	bar	6	
	Volume / Max. DHW storage tank	l	200	260
WORKING FLUIDS	Type of refrigerant	-	R290	
	Refrigerant load	kg	0,15	
ELECTRICAL DATA: SINGLE-PHASE	230 V / 1PH / 50 Hz	-	✓	
	Consumption range ¹	W	405 - 500	
	Power of the electrical heater	W	1500	
	Maximum consumption with electrical heater ²	W	2000	
DIMENSIONS / WEIGHT	Height x width x depth	mm	1608x584x600	1975x584x600
	Empty weight (without assembly)	kg	80,5	105
	Pipe diameter (air) ⁵	mm	150 - 160 - 200	150 - 160 - 200

1. Nominal air temperature conditions from 2°C to 20°C.

2. Considering a support with the emergency electrical

heater.

3. Indoor L_{wa} sound power level, rounded to the nearest whole number.

4. Air flow without any conduction.

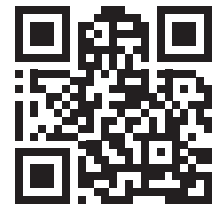
5. Design with the possibility of 3 different diameters.

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