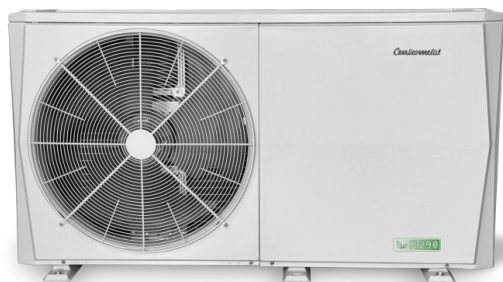


Heat pumps R290



Using the energy of the environment, heat pumps meet the needs for heating and cooling the space and the preparation of domestic hot water (DHW) with very high efficiency. Centrometal has in its offer new R290 heat pumps in monoblock design, with nominal capacities of 6, 10 and 16 kW.

R290, a highly pure propane with zero ODP value, does not have ozone depletion potential.

The low GWP (Global Warming Potential) value further demonstrates its environmental protection characteristics, which provides great support to reach EU carbon neutrality. R290 heat pump adopts well-known brand components and advanced manufacturing processes to ensure product reliability.

The electrical control system is hermetically isolated to further improve overall reliability assuring safe use of the R290 heat pump. Centrometal R290 heat pumps series reaches the EU Energy Efficiency A+++ at 35°C water temperature, A++ at 55°C water temperature.

CHARACTERISTICS OF PRODUCT:



HEATING/COOLING

In addition to high efficiency, heat pumps can also be used for space cooling, which is a great advantage over traditional heating systems.



AUTONOMY

No cleaning and refueling is required as with conventional boilers..



NO CHIMNEY

There is no need to build a chimney.

CHARACTERISTICS OF PRODUCT:



- It allows direct interaction with the content displayed on the screen.
- User-friendly interface for heat pump control.
- Control unit with colorful touchscreen panel controls the heat pump operation, and it can control system with up to two mixing heating/cooling circuits, one direct heating/cooling circuit and DHW preparation (with DHW circulation pump operation control as well) (mandatory additional equipment).
- It can be connected to a system that uses floor heating/cooling, fan coils and/or radiators.
- It can be connected to a web portal afterwards.

SPECIFICATIONS:

Model			6 kW	10 kW	16 kW
Power supply		V/Hz	220-240V-50Hz	220-240V-50Hz	380-415V-3N-50Hz
Heating A7/W35	Capacity	W	6200	10000	15000
	Rated input	W	1265	2128	3409
	COP		4.90	4.70	4.40
Heating A7/W45	Capacity	W	6400	10000	15000
	Rated input	W	1684	2740	4478
	COP		3.80	3.65	3.35
Heating A7/W55	Capacity	W	6200	9500	15000
	Rated input	W	2000	3115	5263
	COP		3.10	3.05	2.85
Heating A2/W35	Capacity	W	5600	8200	12800
	Rated input	W	1436	2247	4000
	COP		3.90	3.65	3.20
Heating A-7/W35	Capacity	W	5900	8000	12700
	Rated input	W	2000	2807	5080
	COP		2.95	2.85	2.50
Cooling A35/W18	Capacity	W	6500	10000	16000
	Rated input	W	1275	2105	4103
	EER		5.10	4.75	3.90
Cooling A35/W7	Capacity	W	6800	8900	14000
	Rated input	W	2194	2738	5091
	EER		3.10	3.25	2.75
SCOP	Average climate, W35		A+++		
	Average climate, W55		A++		
ErP sound power level		dB	58	61	69
Refrigerant	Type (GWP)		R290(3)		
	Charged volume	g	700	1100	1250
Unit dimension (W×H×D)		mm	1299×717×426	1385×865×523	1385×865×523
Packing dimension (W×H×D)		mm	1375×885×475	1465×1035×560	1465×1035×560
Net weight		kg	90	117	137
Gross weight		kg	110	139	159
Water side Connection dimension			G1"BSP	G1 1/4"BSP	G1 1/4"BSP
Outdoor air temperature range	Cooling	°C	-5~46		
	Heating	°C	-25~35		
	DHW	°C	-25~46		
Water setting temperature range	Cooling Heati	°C	5~25		
	ng DHW	°C	25~75		
	Power supply	°C	20~70		
Electric heater	Capacity	V/Ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50
		kW	3	3	9

Note:
The above data test reference standard EN14511; EN14825; EN50564;EN 12102; (EU) No:811