

Efficiency

DM 450

Nominal heat output	W	7,830 ⁽¹⁾ (3,830 ⁽²⁾ + 2 x 2,000)
Heat Pump heat output	W	3,830 ⁽²⁾
COP		3.9 (A20 W 10-55) – 3,2 (A7 W 10-55)
DHW load profile		XXL
Standing heat loss	W	35 (A20 W 10-55) – 39 (A7 W 10-55)
Cylinder set point temperature	°C	52.7 (A20 W 10-55) – 52.9 (A7 W 10-55)
DHW production at 40 °C (draw-off)	l	578 (A20 W 10-55) – 582.5 (A7 W 10-55)
Energy efficiency class		A+

Electric

Power supply	V/Ph/Hz/A	230 / 1 / 50 / 16 230 / 1 / 50 / 25 400 / 3 + N / 50 / 16
Rated electrical power consumption Heat Pump	W	980
Max absorbed electric power	W	1,506 + (2 x 2,000)
Protection class		IPX1

Filling

Type and refrigerant charge	g	R134a / 1,800
Max gas pressure Heat Pump	bar	23

Noise

Sound power (L _w – i.a.w. ISO 3744)	dB (A)	60
Sound pressure (L _p – i.a.w. ISO 3744)	dB (A)	49

Operating mode

Water (min/max)	°C	10 / 65 (75 ⁽³⁾)
Air (min/max)	°C	-7 / 35

Nominal flow rate

Air	m ³ /h	800
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(1) N. 2 electric heaters of 2 x 2 kW.

(2) Thermal and absorbed power detected in the following conditions: Ambient temperature T = 20 °C, Cold Water inlet temperature T = 10 °C, Cylinder set point temperature T = 55 °C.

(3) With electric heaters.

Capacity	l	450
Max cylinder operating pressure	bar	10
Auxiliary coil capacity	l	11
Max auxiliary coil operating pressure	bar	10
Auxiliary coil exchange surface	m ²	1.76

Dimensions

Height (A)	mm	2,070
Length (B)	mm	792
Depth (C)	mm	856
Empty weight	kg	240

Connections

Cold water inlet (D)	inch	1
Coil return (E)	inch	1
Coil flow (F)	inch	1
Recirculation connection (G)	inch	3/4
Hot water outlet (H)	inch	1
Condensate drain (I)	mm	16
Additional electric heater connection (J)	inch	1 1/2
Probe holder connection (K)	inch	1/2
DHW temperature probe access (L)		n/a

