

TECHNICAL DATA CSI 85

RAVENHEAT

Natural Gas

CSI 85

Nominal heat input net	Max	24.8 Kw
Minimum heat input net	Min	13.0 kW
Nominal heat output	Max	23.8 kW
Minimum heat output	Min	11.7 kW
Nominal heat output condensing	Max	25.6 kW
Minimum heat output condensing	Min	13.4 kW
Gas rate after 10 minutes	Max	2.5 m³S/h
	Min	1.3 m³S/h
Inlet pressure		20 mbar
Burner pressure	Max	10.5 mbar
	Min	2.0 mbar
Main burner injectors		13 x 1.25
Pilot burner injector		0.27 X 2 holes
Electrical supply		230 V ~ 50 HZ
Power consumption		160 W
External fuse rating		3 A
Internal fuse		315 mA - 2 A - 4 A
Dry Weight		51 Kg
Water content C.H.		2.1 litre
Water content		0.5 litre
Gas supply connection		½" RC
Flow connection C.H.		22 mm compression isolating valve
Return connection C.H.		22 mm compression isolating valve
Inlet connection D.H.W.		15 mm compression isolating valve
Outlet connection D.H.W.		15 mm copper pipe
Condensation drain		¾" (21.5 mm)
Max cold water capacity without additional expansion vessel 110 litre		
Safety discharge		15 mm copper pipe
Sealed water system C.H. max pressure PHS 2.5 bar Minimum working pressure 0.5 bar 8 litres expansion vessel pre-charge-pressure 0.5 bar		
Central heating operating temp.	Max	85 °C
	Min	45 °C
Design flow rate		1073 l/h 20 °C rise
Minimum flow rate C.H.		503 l/h
D.H.W flow rate	30 °C	12.2 l/min
	35 °C	10.3 l/min
	40 °C	9.0 l/min 10 °C inlet temperture
D.H.W. temperature	Max	65 °C
	Min	35 °C
Burner pressure D.H.W.		Max 11.2 mbar - Min 2.0 mbar
Qmw input net		Max 26 kW - Min 13 kW
D.H.W pressure PMW	Max	10 bar
	Min	0.8 bar
D.H.W minimum flow rate		3 l/min
Flue outlet nom. Diameter	100 mm	pecially supplied with boilers
Destination		AT-CH-DK-ES-FI-GB-IE-IT-PT-SE
Flue type		C12 - C32 - C52
Category I2H		Nox 2