Technical Data.

ZEUS Superior kW technical data.

		Zeus Superior 24 kW	Zeus Superior 28 kW	Zeus Superior 32 kW
Nominal heat input	kW (kcal/h)	25,6 (22028)	29,8 (25644)	33,6 (28910)
Minimum heat input	kW (kcal/h)	10,6 (9122)	13,3 (11402)	14,2 (12188)
Nominal (useful) heat output	kW (kcal/h)	24,0 (20640)	28,0 (24080)	31,7 (27262)
Minimum (useful) heat output	kW (kcal/h)	9,3 (8000)	11,8 (10148)	12,5 (10750)
Efficiency at nominal heat output	%	93,7	93,9	94,3
Efficiency at 30% nominal heat output	%	90,3	91,2	90,8
Casing losses with burner On/Off	%	0,40 / 0,61	0,60 / 0,62	0,40 / 0,60
Chimney losses with burner On/Off	%	5,90 / 0,05	5,50 / 0,01	5,80 / 0,01
Maximum working pressure of C.H. circuit	bar	3	3	3
Maximum working temperature of C.H. circuit	°C	90	90	90
Central heating temperature range	°C	35 - 85	35 - 85	35 - 85
Total volume of system expansion vessel	l	7,1	7,1	7,1
Expansion vessel factory-set pressure	bar	1	1	1
Total volume of DHW expansion vessel	l	1,2	1,2	1,2
DHW expansion vessel factory-set pressure	bar	3,5	3,5	3,5
Appliance water content	l	3,5	4,0	4,5
Available head at 1000 litres/hours flow rate	kPa (m H_2O)	32,9 (3,35)	37,26 (3,8)	38,73 (4,0)
Hot water production useful heat output	kW (kcal/h)	24,0 (20640)	28,0 (24080)	31,7 (27262)
DHW temperature adjustable range	°C	20 - 60	20 - 60	20 - 60
2-bar DHW flow limiter	l/min	10,0	12,0	14,0
DHW circuit minimum (dynamic) pressure	bar	0,3	0,3	0,3
Maximum working pressure of DHW circuit	bar	8	8	8
Specific flow rate (ΔT 30°C)	l/min	15,3	16,6	18,9
Continuous service capacity (ΔT 30°C)	l/min	11,3	13,7	15,3
Domestic water performance classification according to EN13203-1		★★★		
Loaded boiler weight	kg	126,93	128,64	131,34
Empty boiler weight	kg	66,1	68	70,2
Power supply connection	V/Hz	230/50	230/50	230/50
Nominal power input	A	0,68	0,7	0,87
Installed electric power	W	135	140	165
Pump comsumption	W	85	90	99
Fan comsumption	W	33	37	48
Appliance electric insulation rating	-	IPX5D	IPX5D	IPX5D
NO_x class	-	3	3	3
Weighted NO_x	mg/kWh	139	130	146
Weighted CO	mg/kWh	101	106	100
Type of appliance		C12 /C32 / C42 / C52 / C82 / B22 / B32		
Category		II2H3+		

- The flue temperature values refere to the inlet air temperature of 15°C.
- The data relative to domestic hot water performance refer to a dynamic input pressure of 2 bar and an input temperature of 15°C; the values are detected immediately on exit from the boiler considering that to obtain he data delared it must be mixed with cold water.
- The maximum sound power emitted during functioning of the boiler is < 55dBA. The measurement of the sound power refers to tests in a semi-anechoic chamber with boiler functioning at maximum heat output, with extension of the flue extraction system according to product standards.