

# > SPECIFICATIONS

## TECHNICAL DATA

ENERGY TOP			W 80	W 125
<b>Performances</b>				
Heating thermal input max		kW	75	116
Heating thermal input min		kW	17	25
Thermal output max	(80-60°C)	kW	73,5	113,7
Thermal output min	(80-60°C)	kW	16,7	24,6
Thermal output max	(50-30°C)	kW	79,5	123
Thermal output min	(50-30°C)	kW	18,3	26,9
Efficiency Pmax	(80-60°C)	%	98	98
Efficiency Pmin	(80-60°C)	%	98,5	98,5
Efficiency Pmax	(50-30°C)	%	106	106
Efficiency Pmin	(50-30°C)	%	107,5	107,5
Efficiency 30%	(30°C)	%	109	109
Energy marking (92/42 ECC)			★★★★	★★★★
Nox emission class (EN 297/A5 Directive)			5	5
Gas flow (G 20) max		m <sup>3</sup> /h	79,4	12,38
Gas flow (G 20) min		m <sup>3</sup> /h	1,8	2,65
Operating gas pressure (G20)		mbar	20	20
G31 gas delivery max		kg/h	5,87	9,08
G31 gas delivery min		kg/h	1,33	1,96
G31 pressure at burner		mbar	37	37
Max operating temperature		°C	95	95
Operating pressure max		bar	6	6
Operating pressure min		bar	0,8	0,8
Max exchanger Δ T		°C	40	40
Water content		litres	5	7
<b>Electric characteristics</b>				
IP protection rating		IP	X5D	X5D
Power supply voltage		V/Hz	230/50	230/50
Electrical absorption (pump excluded)		W	95	200
<b>Dimensional characteristics</b>				
Empty weight		kg	46	51
Height		mm	900	900
Width		mm	445	445
Depth		mm	430	430
<b>Hydraulic</b>				
Circuit flow/return connections		inches	1" 1/2	1" 1/2
Gas connection		inches	3/4"	1"
<b>Combustion data</b>				
Chimney loss (with burner on) Pmax-Pmin		%	2,2-1,3	1,8-1,3
Jacket loss (with burner on) Pmax-Pmin		%	0,2-0,2	0,2-0,2
Loss at chimney with burner OFF		%	0,03	0,02
Loss at jacket with burner OFF		%	0,4	0,4
Flues temperature Pmax-Pmin	(80-60°C)	°C	65-60	67-60
Flues temperature Pmax-Pmin	(50-30°C)	°C	43-33	45-34
Flues flow Pmax-Pmin		kg/h	126,2-30,1	195,2-44,3
Condensate production Pmax-Pmin		kg/h	8,7-2	13,5-3,2
CO <sub>2</sub> Pmax-Pmin (G20)		%	9-8,5	9-8,5
CO <sub>2</sub> Pmax-Pmin (G31)		%	10-9,2	10-9,2
CO average		mg/kWh	35	35
NO <sub>x</sub> average		mg/kWh	29	29
Max head at stack		pascal	250	350