

> TECHNICAL SPECIFICATIONS SUMMARY TABLE

MODEL		70	125	220	320
Efficiency and performance					
Max heat input in central heating mode	kW	65,5	116	207	299
Min heat input in central heating mode	kW	14	23	41	62
Max heat output in CH (80/60)	kW	64,4	114	204	294,5
Min heat output in CH (80/60)	kW	13,7	22,5	40,2	60,8
Max heat output in CH (50/30)	kW	69,9	123,9	221	319,3
Min heat output in CH (50/30)	kW	15	24,8	44,2	66,8
Efficiency at Pmax (80/60)	%	98,3	98,3	98,5	98,5
Efficiency at Pmin. (80/60)	%	98	98	98	98
Efficiency at Pmax (50/30)	%	106,8	106,8	106,8	106,8
Efficiency at Pmin. (50/30)	%	107,7	107,7	107,7	107,7
Efficiency at 30% (30°C)	%	109,6	109,6	109,6	109,6
Efficiency class, Directive 92/42 EEC		★★★★	★★★★	★★★★	★★★★
NOx class		5	5	5	5
Max central heating temperature	°C	90	90	90	90
Max domestic hot water temperature	°C	70	70	70	70
Max heat exchanger ΔT	°C	60	60	60	60
Maximum stack pressure at Pmax	pascal	200	150	200	200
Operating pressure min - max	bar	0,8 - 6	0,8 - 6	0,8 - 6	0,8 - 6
Structural characteristics					
Water content	litres	160	265	380	530
Empty weight	Kg	180	280	400	500
Width	mm	540	660	780	900
Height	mm	1760	1780	1820	1850
Depth	mm	720	720	870	1020
Electrical specifications					
Power supply voltage	V/Hz	230/50	230/50	230/50	230/50
Index of protection	IP	X0D	X0D	X0D	X0D
Power consumption	W	95	200	260	370
Water and gas fittings					
Central heating flow outlet		1' 1/4	1' 1/4	2'	DN 65
Central heating return inlet, low temperature		1' 1/4	1' 1/4	2'	DN 65
Gas inlet		1'	1'	1'	1'
Central heating return inlet, high temperature		1' 1/4	1' 1/4	2'	DN 65
Flue gas outlet Ø (mm)		80	100	160	200
Combustion					
Type of appliance		B23	B23	B23	B23
Combustion efficiency at Pmax	%	98,3	98,3	98,3	98,3
Combustion efficiency at Pmin	%	98,7	98,7	98,7	98,7
Losses through the stack with burner on at Pmax	%	1,7	1,7	1,7	1,7
Losses through the stack with burner on at Pmin	%	1,3	1,3	1,3	1,3
Flue gas temperature at Pmax (80/60)	°C	68	66	67	67
Flue gas temperature at Pmin (80/60)	°C	60	60	61	61
Flue gas temperature at Pmax (50/30)	°C	43	43	45	45
Flue gas temperature at Pmin (50/30)	°C	32	32	31	31
Flue gas flow-rate at Pmax	kg/h	107,1	189,6	338,4	488,8
Flue gas flow-rate at Pmin	kg/h	23,3	39,9	71,1	107,5
CO ₂ at Pmax	%	9,3	9,3	9,3	9,3
CO ₂ at Pmin	%	9,1	8,7	8,7	8,7
CO O ₂ =0% at Pmax	mg/kWh	17	30	40	35
CO O ₂ =0% at Pmin	mg/kWh	1	2	2	3
CO O ₂ =0% weighted	mg/kWh	5,5	6	8	20
NOx O ₂ =0% at Pmax	mg/kWh	69,7	50	44	41
NOx O ₂ =0% at Pmin	mg/kWh	13,3	10	9	10
NOx O ₂ =0% weighted	mg/kWh	35	37	38	26