ONGAS Kompakt 24-28 Yoğuşmalı Kombi / *ONGAS Compact 24-28 Domestic Condensing Boiler*

Efficiency and performance		**G20**	**G31**
Gas categories		I2H, I2E, I3P, II2H3P	
Heat input (max)	kW	23,7	23,7
Heat input (min)	kW	3,5	3,5
Heat output (max) – (80/60°C)	kW	22,9	22,9
Heat output (min) – (80/60°C)	kW	3,4	3,4
Heat output (max) – (50/30°C)	kW	24,0	23,6
Heat output (min) – (50/30°C)	kW	3,6	3,6
Calorific efficiency – Rated (80/60°C)	%	96,65	96,76
Calorific efficiency – Rated (50/30°C)	%	101,31	99,58
Calorific efficiency – Partial (37/30°C)	%	107,09	105,25
Gas inlet pressure (G20-G31)	mbar	20	37
Gas consumption (max)	m^3/h	2,44	0,92
Gas consumption (min)	m^3/h	0,39	0,145
Nox class		6	6
Operation temperature range for heating	°C	20-80	20-80
Operation temperature range for DHW	°C	30-65	30-65
Safety limit temperature	°C	95	95
Limit temperature for flue thermostat	°C	85	85
Volume of expansion vessel	lt	8	8
Operating pressure range	bar	0,5-3,0	0,5-3,0
Water and gas fittings			
Water inlet (return) & outlet (flow) for heating	Ø	3/4"	3/4"
Gas inlet	Ø	3/4"	3/4"
Coaxial flue gas diameter (Ø)	mm	60/100	60/100
Domestic Hot Water			
Heat input max DHW	kW	27,5	27,5
DHW Flow rate ΔT=35 °C	l/min	11,3	11,3
DHW Flow rate ΔT=30 °C (Specific) "D"	l/min	13,1	13,1
DHW Flow rate ΔT=25 °C	l/min	15,8	15,8
Minimum DHW Flow rate	l/min	1,5	1,5
Inlet water rate limiter	l/min	16,0	16,0
Operating DHW pressure range	bar	0,5-10	0,5-10
Combustion			
Type of appliance		C13, C33, C93	
Flue gas temperature – Min/Max (80/60°C)	°C	54,3/82,7	55,3/82,7
Flue gas temperature – Min/Max (50/30°C)	°C	42,6/60,4	31,3/62,0
Flue gas mass flow rate - max	g/s	9,0	9,0
Flue gas mass flow rate - min	g/s	1,0	1,0
Flue gas mass flow rate DHW	g/s	11,0	11,0
CO_2 at Pmax	%	9,5	10,4
CO_2 at Pmin	%	9,1	9,5
NOx Weighted (based od GCV)	mg/kWh	16	20
Electrical specifications			
Power supply		230 VAC-50 Hz	230 VAC-50 Hz
Power consumption	W	68	68
Protection level	IP	IPX4D	IPX4D
General			
Dimensions (Width x Height x Length)	mm	425 x 740 x 335	425 x 740 x 335
Sound level	dB (A)	52	52
Net weight	kg	33,2	33,2
Gross weight	kg	35,1	35,1