

## TECHNICAL DATA

Brand name	Unit	PROXIMA 20KT	PROXIMA 25KT	PROXIMA 20ST	PROXIMA 25ST
		PK20KT.N012 PK20KT.N032	PK25KT.N012 PK25KT.N032	PK20ST	PK25ST
TYPE					
Category		I <sub>2H</sub>			
Model/design		C <sub>12</sub> , C <sub>32</sub> , C <sub>42</sub> , C <sub>82</sub>			
Flue gas discharge		Turbo			
Fuel type		Natural gas (G20)			
Max. heat input	kW	22	27,5	22	27,5
Min. heat input	kW	6,0	7,2	6,0	7,2
Max. heat output	kW	20,35	25,44	20,35	25,44
Min. heat output	kW	5	6	5	6
Efficiency at rated heat output	%	92,5	92,5	92,5	92,5
Gas consumption at rated output	m <sup>3</sup> .h <sup>-1</sup>	2,32	2,91	2,32	2,91
<b>Gas pressure</b>					
Nominal input gas overpressure	mbar	20	20	20	20
Burner nozzle diameter	mm	1,15	1,20	1,15	1,20
Min. pressure below burner	mbar	1,3	0,8	1,3	0,8
Max. pressure below burner	mbar	13,8	12,7	13,8	12,7
<b>Expansion vessel</b>					
Total capacity	l	7	7	7	7
<b>Heating (heating water)</b>					
Temperature setting range	°C	45 ÷ 85±1	45 ÷ 85±1	45 ÷ 85±1	45 ÷ 85±1
Max. overpressure	bar	2,5	2,5	2,5	2,5
Min. overpressure	bar	0,7	0,7	0,7	0,7
Max. water capacity in heating system	l	100	100	100	100
<b>Domestic hot water (DHW)</b>					
Temperature setting range	°C	30 ÷ 60±2	30 ÷ 60±2		
Domestic water max. overpressure at boiler input	bar	6	6		
Domestic water min. overpressure at boiler input	bar	0,5	0,5		
DHW flow rate at heating by Δ t 25 °C	l.min <sup>-1</sup>	11,7	14,6		
DHW flow rate at heating by Δ t 30 °C	l.min <sup>-1</sup>	9,7	12,2		
DHW flow rate at heating by Δ t 35 °C	l.min <sup>-1</sup>	8,3	10,4		
Min. flow rate	l.min <sup>-1</sup>	1,6±0,3	1,6±0,3		
Max. flow rate	l.min <sup>-1</sup>	20	20		
<b>Flue gas values</b>					
Mass flow rate	g.s <sup>-1</sup>	13,9	17,4	13,9	17,4
Flue gas maximum temperature	°C	133	135	133	135
CO <sub>2</sub>	%	5,8	7,9	5,8	7,9
Class NO <sub>x</sub>	-	3	3	3	3
Flue gas duct (diameter)	mm	100/60	100/60	100/60	100/60
<b>Electrical data</b>					
Voltage	V	230	230	230	230
Frequency	Hz	50 ÷ 60	50 ÷ 60	50 ÷ 60	50 ÷ 60
Total installed electrical input	W	180	180	180	180
Electric input in normal operation	W	115 ÷ 180	115 ÷ 180	115 ÷ 180	115 ÷ 180
Power consumption in stand-by mode (24 hours)	kWh	0,288	0,288	0,288	0,288
Power consumption in heating mode (24 hours)	kWh	2,88 ÷ 4,44	2,88 ÷ 4,44	2,88 ÷ 4,44	2,88 ÷ 4,44
Electric coverage degree	IP	44	44	44	44
Control fuse rated current	A	4	4	4	4
<b>General</b>					
Environment type as per ČSN 33 2000-3	-	normal	normal	normal	normal
Appliance class as per ČSN EN 60 335-1	-	I	I	I	I
Emergency thermostat switch-off temperature	°C	105	105	105	105
Weight	kg	38	39	36	37
Height	mm	793	793	793	793
Width	mm	400	400	400	400
Depth	mm	381	381	381	381
Noise level	dB	< 50	< 50	< 50	< 50
Screen for 1 elbow +1m	mm	φ 38	φ 43	φ 38	φ 43
Instrumentation accuracy for heating water and domestic hot water	°C	±1	±1	±1	±1

Data for nominal gas consumption applies at a temperature of 15 °C and atmospheric pressure of 1013.25 mbar, dry gas.