

2.13 Specifications

General Information	Unit	Type 70	Type 100
Rated output G20 (50/30 °C) [P _{n cond}]	kW	14.3 – 69.5	20.8 – 99.5
Rated output G20 (80/60 °C) [P _n]	kW	13.0 – 62.6	19.0 – 94.5
Rated input G20 [Q _{n (Hi)}]	kW	13.3 – 64.3	19.3 – 96.5
Nominal input NG/G20	MJ/h	257	386
Efficiency G20 (37/30 °C) partial load 30% in accordance with EN 15502	%	107.8	107.9
Efficiency G20 (80/60 °C) full load	%	97.4	97.0
Standby loss in accordance with EN 15502	%	14	9
Seasonal efficiency, heating curve (75/60 °C)	%	106.8	106.7
Seasonal efficiency, heating curve (40/30 °C)	%	109.4	109.5
Pump run-on time	min	5	5
Residual head of fan (p _{max})	Pa	130	220
IP classification [IP rating]		IP X4D (B ₂₃ , B ₃₃ : X0D)	
Appliance class in accordance with EN 15502		B ₂₃ , B ₃₃ , C _{13(x)} , C _{33(x)} , C _{43(x)} , C _{53(x)} , C _{83(x)} , C _{93(x)}	
Temperature classification in accordance with EN 14471		T120	
Appliance fuse		230 V, 5AF	
Mains voltage, frequency [U]		230 V, 50 Hz	
Electrical power consumption (without a pump connection set), standby / partial load / full load	W	6 / 18 / 82	6 / 25 / 155
Permissible ambient temperature	°C	0 - 40	
Maximum flow temperature [T _{max}]	°C	90	
Maximum permissible water pressure of the wall mounted gas condensing boiler [PMS]	bar	4	
Maximum condensate accumulation rate	l/h	7.6	11.0
Connections			
Flue gas connection/concentric air supply	mm	100/150	
Heating flow/return pipe (wall mounted gas condensing boiler)	inch	G1½	
Gas connection (wall mounted gas condensing boiler)	inch	R1	
Condensate drain (flexible drain hose)	mm	24	
Emission levels in accordance with EN 13384			
CO ₂ content with natural gas G20, partial load/full load	%	8.9 / 9.3	8.9 / 9.3
CO output G20 at full load	ppm	57	100
NO _x emission G20 at full load in accordance with EN 15502 (average)	mg/kWh	27	48
NO _x class		5	
Flue gas mass flow rate at max./min. rated output	g/s	29.8	43.8
Flue gas temperature at 80/60 °C, partial load/full load	°C	57 / 62	57 / 68
Flue gas temperature at 50/30 °C, partial load/full load	°C	34 / 39	34 / 53
Differential pressure gas/air (with partial load)	Pa	- 5	
Dimensions and weight			
Height x width x depth	mm	980 x 520 x 465	
Height x width x depth incl. connection set	mm	1300 x 520 x 465	
Weight	kg	70	
Connection set			
Heating flow pipe	inch	G1½	
Heating return pipe, male thread with flat gasket	inch	G1½	
Gas line	inch	G 1	
Electrical power consumption WILO Stratos PARA 25/1-8, min./max.	W	8 / 140	

Table 2 Specifications



The information in brackets corresponds to the information on the data plate.