

2018-10-02  
EN  
0000000050  
V.015



1512  
93001

# PelletsUnit 7 - 15 kW

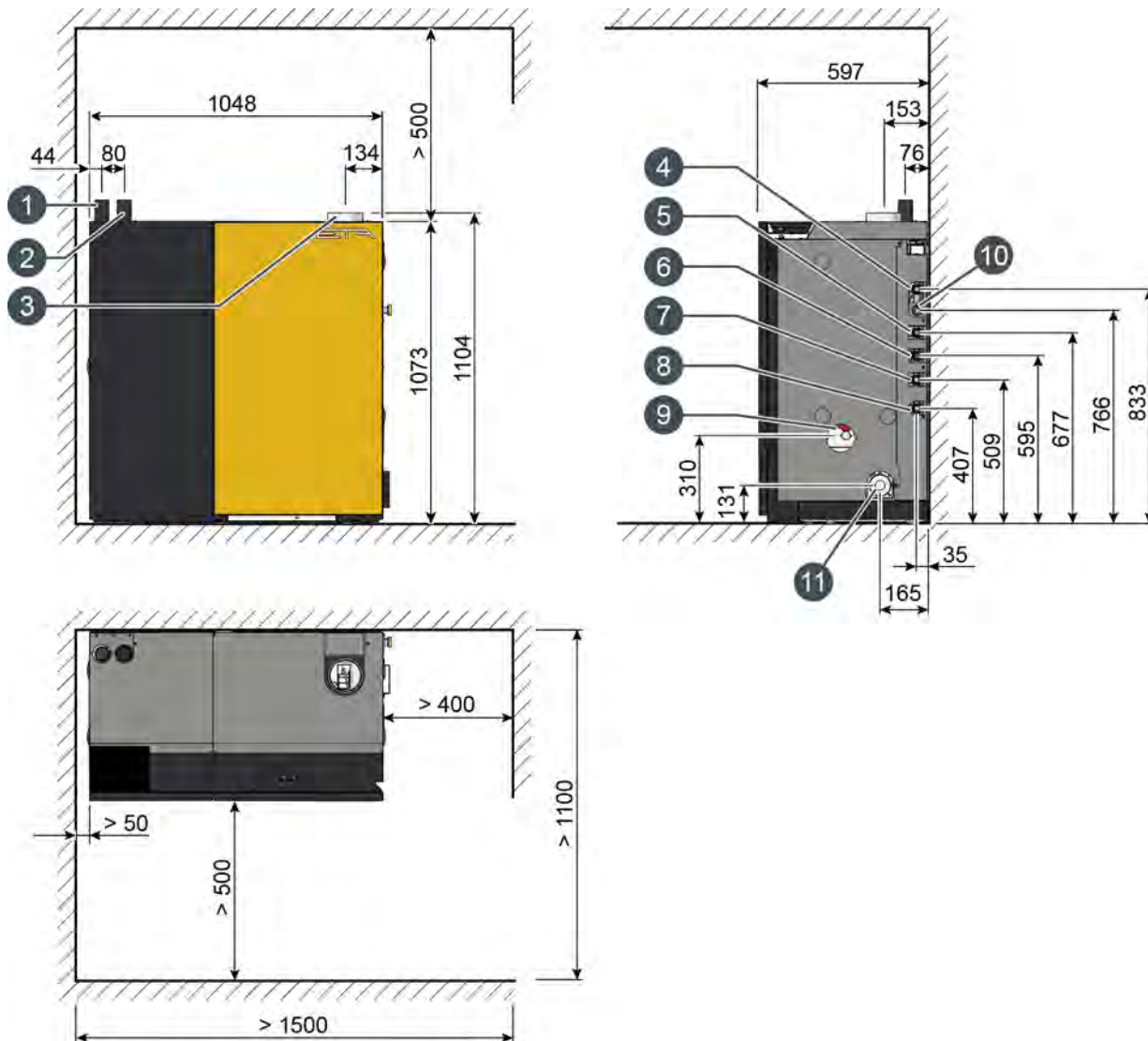


## Technical data



# 1 Technical data

## Data sheet for PelletsUnit 7 - 15 kW



- 1 Pellet suction hose DN50
- 2 Pellet return air DN50
- 3 Flue gas connection, 7-11 kW: coupling Ø113 mm or Ø100 mm; 15 kW: coupling Ø110 mm or Ø113 mm
- 4 Return for heating circuit 1 and hot water tank, R3/4" coupling
- 5 Optional heating circuit 2 return, R3/4" coupling
- 6 Optional heating circuit 2 flow, R3/4" coupling
- 7 Flow for hot water tank, R3/4" coupling
- 8 Heating circuit 1 flow, R3/4" coupling
- 9 Discharge fitted with 1/2" filling and drainage valve
- 10 Outlet for the safety valve, flat sealing union nut R1"
- 11 Air connection for external air operation, DN80

PelletsUnit	Unit	7	11	15
Rated capacity	kW	2.3 - 7.7	2.3 - 11.2	4.4 - 14.9
Efficiency at partial / full load (installation outside living area)	%	89.3 / 93.4	89.3 / 92.5	95.7 / 93.5

PelletsUnit	Unit	7	11	15
Transport dimensions, W x D x H	mm	1,072 x 600 x 1,150		
Weight	kg	267		
Water content	litres	27		
Available residual pump head at $\Delta T = 7\text{ }^{\circ}\text{C}$ Maximum floor heating pipe length per branch 100 m (better 80 m), for radiators variable-speed depending on flow temperature	mWs / m <sup>3</sup> /h	3.8 / 0.9	3.5 / 1.3	2.4 / 1.8
Pellet bin on boiler (net)	kg	30 kg (147 kWh)		
Maximum distance to pellet store	m	20		
Ash box volume	litres	12		
Flue gas mass flow rate at partial / full load	g / s	1.9 / 4.4	1.9 / 6.4	2.8 / 8.4
CO <sub>2</sub> content in dry flue gas at partial / full load	%	10 / 14	10 / 14.5	12 / 14
Exhaust temperature at partial / full load	$^{\circ}\text{C}$	~80 / ~150		
Required flue draught	Pa	> 3 Pa a draught limiter is required above 15 Pa		
Carbon monoxide (CO) emissions at partial / full load	mg/MJ mg/m <sup>3</sup> at 13%O <sub>2</sub>	88 / 8 134 / 13	88 / 6 134 / 10	19 / 4 29 / 6
Dust emissions at partial / full load	mg/MJ mg/m <sup>3</sup> at 13%O <sub>2</sub>	6 / 6 9 / 9	6 / 8 9 / 12	11 / 9 17 / 14
Unburned hydrocarbons (CxHy) at partial / full load	mg/MJ mg/m <sup>3</sup> at 13%O <sub>2</sub>	< 1 / < 1 1 / < 1	< 1 / < 1 1 / 1	< 1 / < 1 < 1 / < 1
Electrical power consumption at partial / full load	W	46 / 61	46 / 63	66 / 95
Electrical power consumption in standby	W	11.6	11.6	12.3
Maximum permissible operating pressure	bar	3		
Temperature adjustment range	$^{\circ}\text{C}$	30 – 85		
Maximum permissible operating temperature	$^{\circ}\text{C}$	95		
Boiler class	5 acc. to EN 303-5:2012			
Suitable fuels	Pellets ISO 17225-2-A1, ENplus-A1			
Electrical connection	1 x 230 V / 50 Hz / 13 A			
Mode of operation	non-condensing			

Subject to technical changes and errors