



Pellet boiler pellet^{top}

Technical report

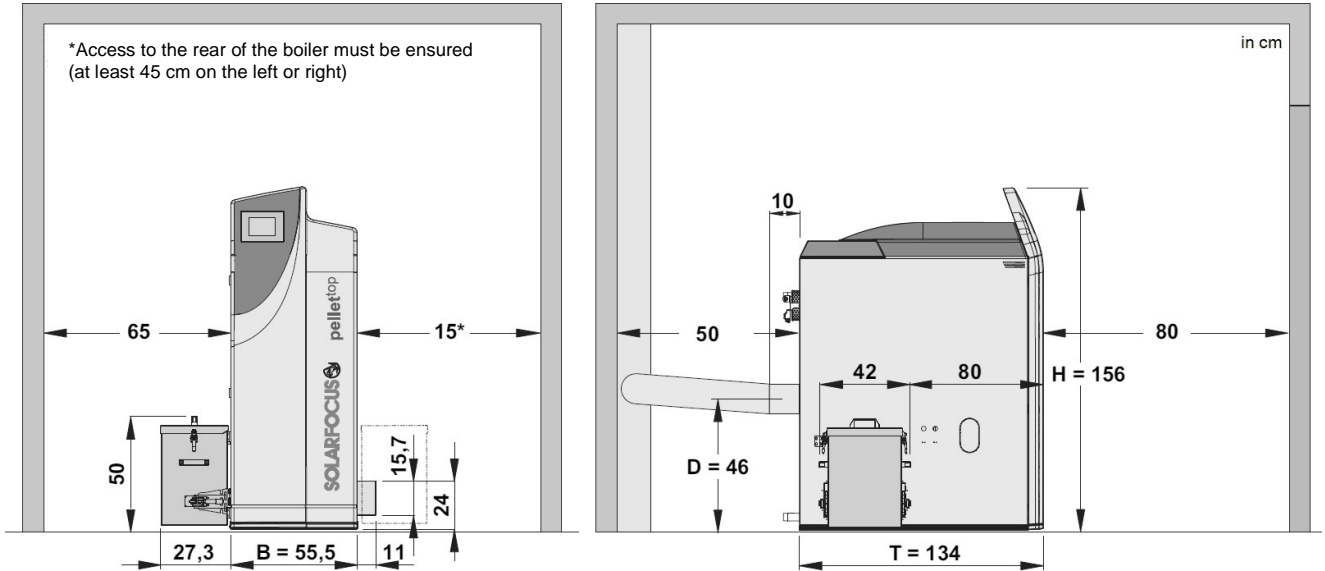
Read carefully before use.

DR-6021-EN / v13-260306

1 Dimensions

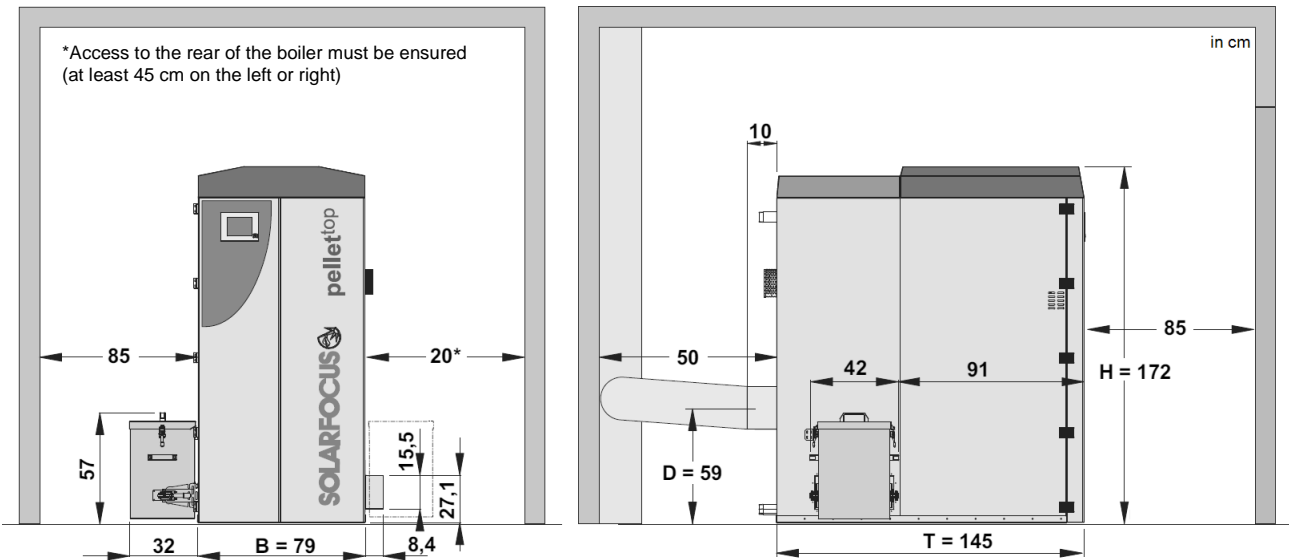
pellet^{top} 35/45

(ash box can be mounted on the left or right)



pellet^{top} 49/70

(ash box can be mounted on the left or right)



2 Technical data

pellet^{top}		35	45	49	70
Nominal output	[kW]	33.3	44.9	49	70
Minimum power output	[kW]	9.99	13.4	14.7	21
Energy efficiency class		A	A	A	A
Boiler class (according to EN305:5 2012)		5	5	5	5
Dimensions					
Width (W)	[cm]	55.5	55.5	79	79
Total width including ash box (B1)	[cm]	94	94	120	120
Total depth	[cm]	144	144	155	155
Depth without fan (T)	[cm]	134	134	145	145
Height incl. levelling feet ^[1] (H)	[cm]	156	156	172	172
Minimum room height ^[2]	[cm]	175	175	195	195
Weight					
Weight	[kg]	554	560	882	882
Water side					
Water capacity	[l]	58	58	130	130
Maximum permissible operating pressure	[bar]	3	3	3	3
Connection KVL/KRL	["]	5/4" M	5/4" M	5/4" M	5/4" M
Drain	["]	1/2" M	1/2" M	1/2" M	1/2" M
Thermal drain safety device	["]	1/2" M	1/2" M	1/2" M	1/2" M
Flow rate / differential pressure at ΔT 10°K	[kg/h]	3000	3860	4200	6000
	[hPa]	45	95	50.6	59
Flow rate / differential pressure at ΔT 20°K	[kg/h]	1500	1930	2100	3000
	[hPa]	11	17.5	13	16
Electrical connection					
Connection / fuse protection		230 V AC, 50 Hz, C 13 A			
Fuel					
Fuel		Wood pellets according to standard EN17225-2, ENplus-A1			
Pellet storage container volume	[l]	95	95	250	250
Exhaust side					
Exhaust pipe diameter	[cm]	15	15	20	20
Height of exhaust pipe centre ^[1] (D)	[cm]	46	46	59	59
Exhaust gas mass flow at full load	[g/s]	30	37	40	55
Exhaust gas mass flow Partial load	[g/s]	10	13.5	14	20
Minimum exhaust gas temperature ^[4] Full load	[°C]	140	140	140	140
Minimum exhaust gas temperature ^[4] Part load	[°C]	100	100	100	100
Minimum draught requirement ^[5]	[Pa]	5	5	5	5
Emissions according to test report					
Exhaust gas values (based on 13% O ₂) from test report: Testing institute/test report number		TÜV Austria 11-UW-Wels- EX-212-2	TÜV Austria 11-UW-Wels- EX-619	TÜV Austria 11-UW-Wels- EX-212	TÜV Austria 11-UW-Wels- EX-212-1
CO at full load	[mg/m ³]	2	2	2	2
CO at partial load	[mg/m ³]	25	19.57	17.4	6
NO _x at full load	[mg/m ³]	99	106.43	106.2	105
NO _x at partial load	[mg/m ³]	98	104	103.2	99
Org. C at full load	[mg/m ³]	0.6	0.46	0.4	0.1
Org C at partial load	[mg/m ³]	0.8	0.69	0.64	0.4
Dust content at full load	[mg/m ³]	7.5	7.8	8	8.6
Dust content at partial load	[mg/m ³]	5.8	5.49	5.36	4.7

pellet top		35	45	49	70
Regulation (EU) 2015/1187					
Nominal heat output	[kW]	33.3	44.9	49	70
Energy efficiency class of the boiler		A	A	A	A
Energy efficiency class for boiler and controller combination		A	A	A	A
Energy efficiency index EEI of the boiler		121	122	122	122
Energy efficiency index EEI for boiler and controller combination		125	126	126	126
Annual space heating efficiency η_S	[%]	82	83	83	83
Annual emission values (based on 10% O₂)					
CO - Carbon monoxide	[mg/m ³]	61	54	51	36
NO _x - Nitrogen oxide	[mg/m ³]	140	146	148	161
C - Total carbon	[mg/m ³]	< 3	< 3	< 3	< 3
Dust	[mg/m ³]	24	25	25	27









Pelletsessel

ecotopzero:	15 bis 24 kW
pelletelegance:	15 bis 24 kW
octoplus:	15 bis 22 kW
pellettop:	35 bis 70 kW
ecoPELL:	50 bis 120 kW
maximus:	150 bis 300 kW

Kombikessel für Holz und Pellets

therminator II Kombi: 22 bis 60 kW

Stückholzkessel

therminator II SH: 18 bis 60 kW

Hackgutkessel

ecoHACK:	30 bis 120 kW
maximus:	150 bis 250 kW

Luftwärmepumpe

vampair PRO 08 - 10
vampair PRO 12 - 15
vampair PRO 20
vampair ECO 08 - 12
vampair ECO 15

Solaranlage

CPC Kollektor
Sunnyline
SUNeco

Photovoltaik

PV-Module
Batteriespeicher
Wärmepumpe und PV

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