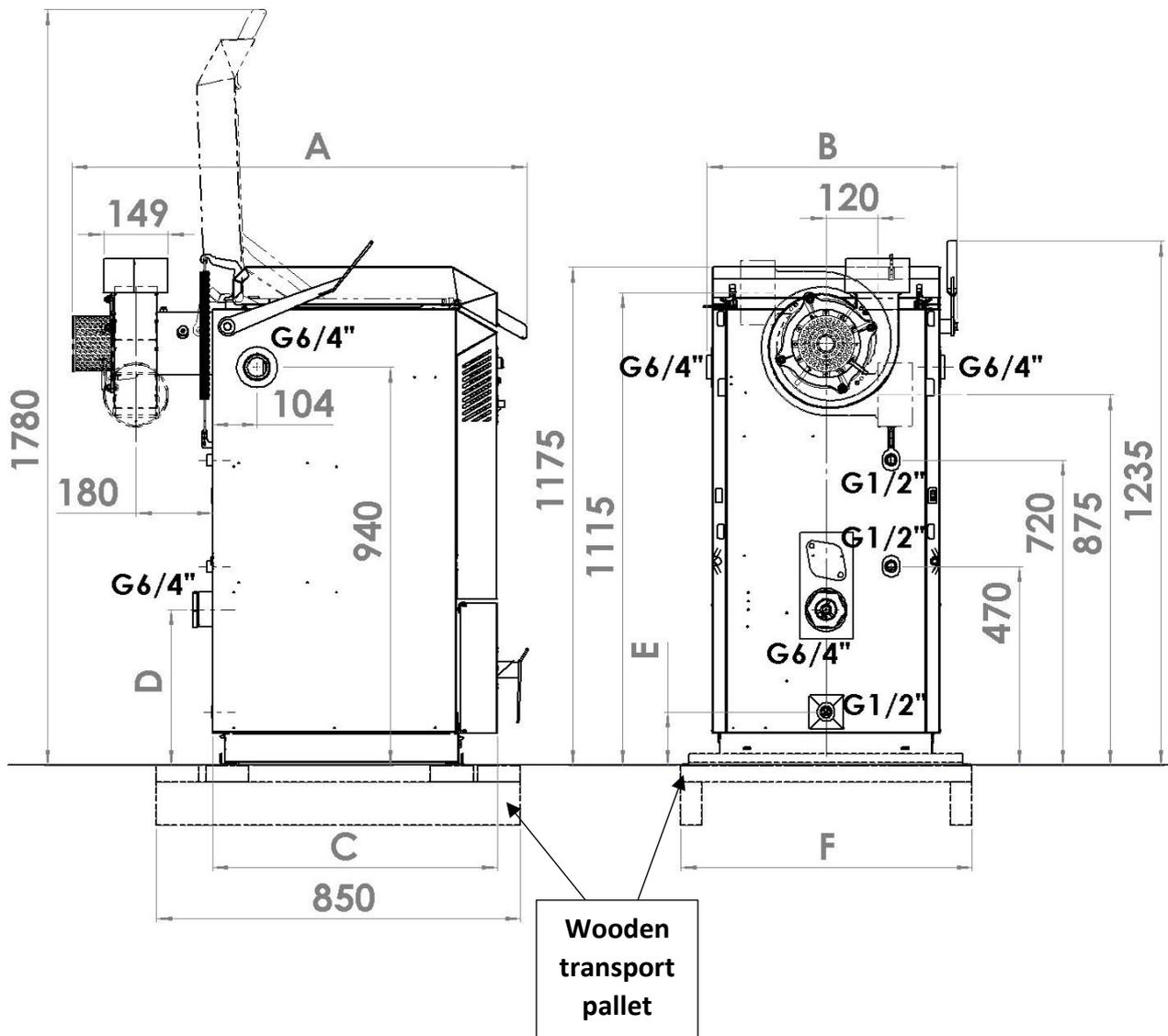


BOILER TECHNICAL DATA SHEET:

BLAZE PRAKTIK COMBI

Boiler type		BPC 25	BPC 40
Maximum heat loss of heated building (where the boiler is the sole source of heat)	kW	14 - 24	21 - 36
		depending on the type of fuel and other circumstances (see Operating and Installation Instructions)	
Storage tank required		if the heated building has adequate heat storage properties (see Operating and Installation Instructions) NOT NECESSARY	
Minimum heat loss of the heated building in an installation without a storage tank	kW	8 - 14	12 - 21
		according to heat storage properties (defined in the operating and installation instructions)	
Minimum – maximum recommended storage tank volume	l	750 - 2000	1200 - 3000
		depending on fuel type and other circumstances (see Operating and Installation Instructions)	
Nominal / minimum output (during continuous operation)	kW	25 / 7	40 / 12
		(with correct settings and guaranteed fuel)	
Wood consumption at rated output	kg . h ⁻¹	6.2	9.4
Nominal output when operating on pellets	kW	15	20
Power adjustability when operating on pellets	kW	4 - 15	6 - 20
Pellet consumption at rated output	kg . h ⁻¹	3	4.5
Burning time of a full load of wood:			
- at rated output during certification	h	2	2
- during normal boiler operation	h	2 - 6	2 - 5
Boiler class according to EN 303-5		5	
Ecodesign		Yes	
Energy efficiency class		A+	
Efficiency:			
- at rated output wood / pellets	%	88.6 / 94.2	93.3 / 94.2
- with minimal wood/pellet consumption	%	91.5 / 91.6	94.5 / 93.1
Seasonal energy efficiency	%	78	82
Electrical power consumption:			
- at rated output wood / pellets	W	36 / 61	47 / 67
- at minimum output wood / pellets	W	18 / 37	25 / 45
- in standby mode	W	3	3
Maximum power consumption	W	380	380
Minimum operating chimney draught	mbar	0.05	0.05
CO ₂ content Nominal output wood/pellets	%	10.26 / 11.95	13.61 / 12.59
CO ₂ content minimum output wood / pellets	%	7.25 / 8.11	14.47 / 8.60
Flue gas temperature:			
- at rated output wood / pellets	°C	160 / 110	160 / 110
- at minimum output wood / pellets	°C	110 / 90	110 / 90
Minimum return water temperature:			
- without integrated thermostat	°C	50	
- with integrated thermostat	°C	20	
Mass flow rate of flue gases at the outlet at rated output	kg . s ⁻¹	0.019	0.023
Mass flow rate of flue gas at the outlet at minimum output	kg . s ⁻¹	0.008	0.007
Flue diameter	mm	15	

Volume of the feeding chamber	dm ³	80	120
Boiler dimensions: width x depth x height	mm	1104 x 1254 x 1420	1288x1254x1420
Feeding opening dimensions	mm	356 x 356	540 x 356
Boiler connections: - heating water	Js	G 6/4"	
- return water	Js	G 6/4"	
Connection voltage		1 PEN ~230V / 0.5A / 50 Hz	
Environment		basic AA5 / AB5	
Electrical protection		IP 20	
Maximum permissible operating pressure	bar	3.0	
Test pressure for type testing	bar	6.0	
Outlet water temperature control range	°C	70 - 95	
Maximum permissible operating temperature	°C	95	
Hydraulic loss of boiler at Δ T = 20 K	mbar	1.65	1.51
Hydraulic loss of boiler at Δ T = 10 K	mbar	6.14	5.74
Maximum noise level	dB	55	
Water capacity	dm ³	40	55
Weight	kg	330	440



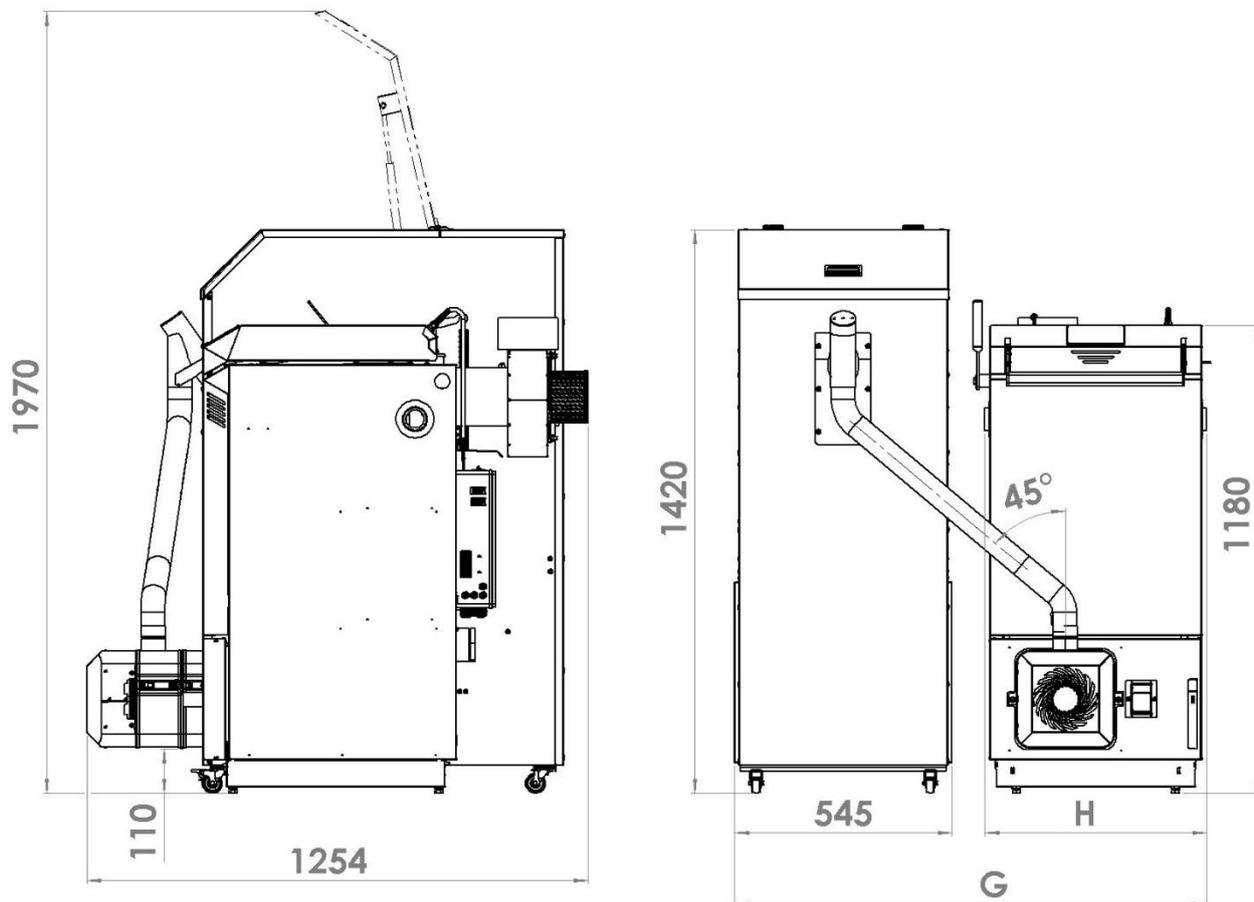


Table of basic dimensions of the BLAZE PRAKTIK COMBI boiler

	BPC25	BPC40
A [mm]	1040	1040
B [mm]	584	768
C [mm]	664	664
D [mm]	370	370
E [mm]	130	130
F [mm]	680	870
G [mm]	1104	1288
H [mm]	530	714

Minimum dimensions for boiler placement in the boiler room

