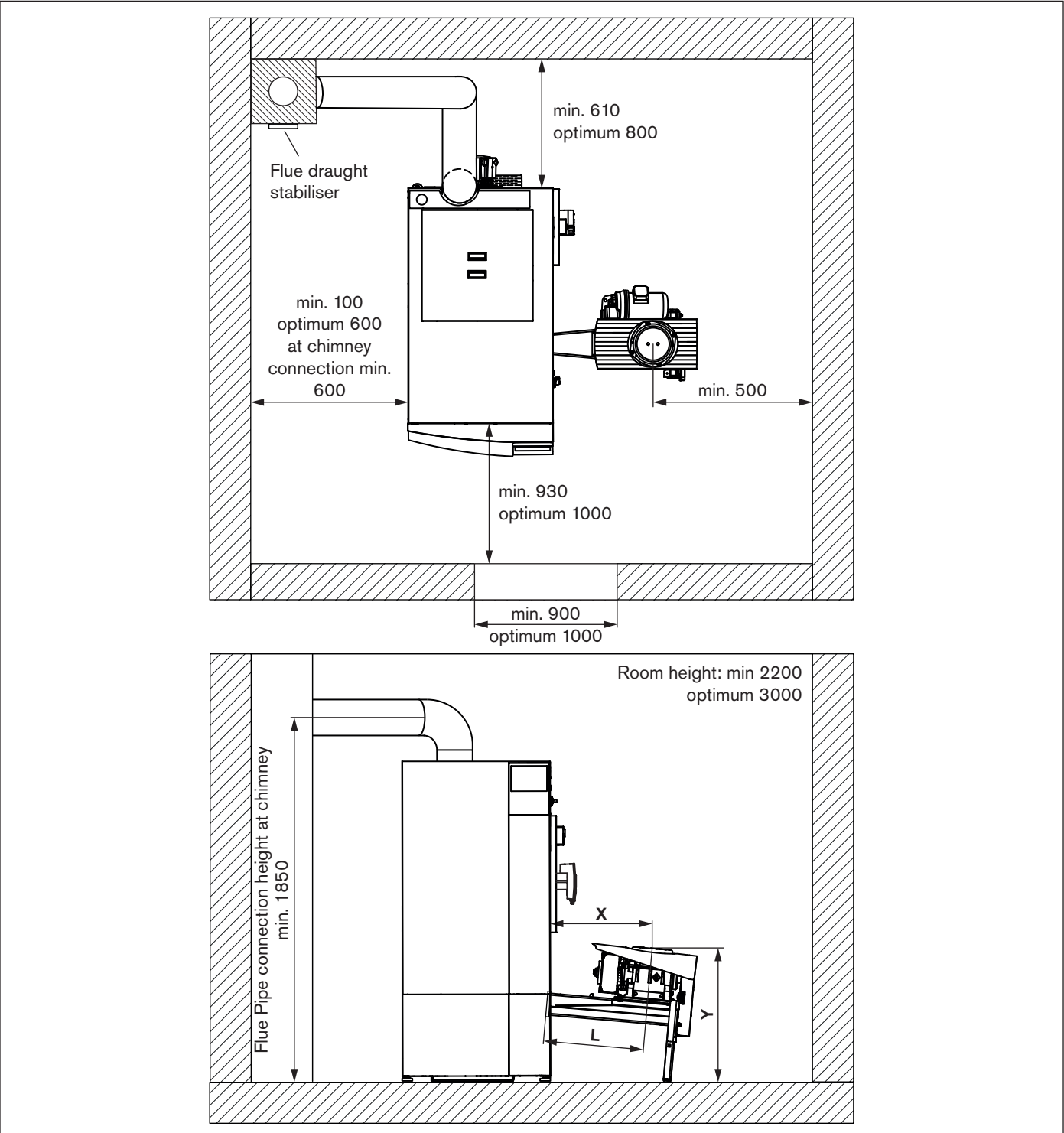


1 Installation dimensions for Eco-HK 70-120

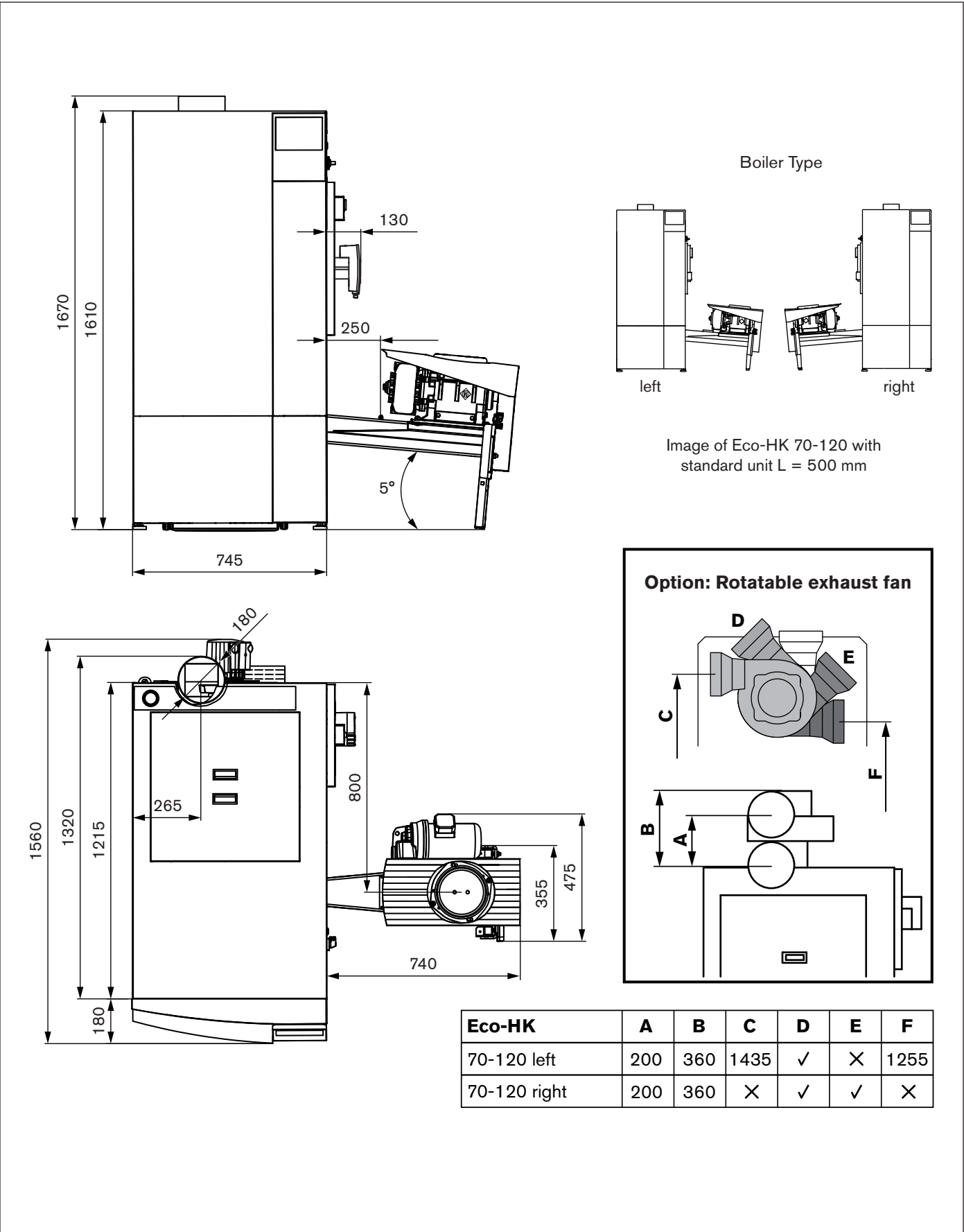
1.1 Space requirements



All dimensions in mm

Stoker unit length L	Stoker depth X	Stoker height Y
500 mm	525 mm	655 mm
1000 mm	1020 mm	610 mm
1500 mm	1520 mm	570 mm
2000 mm	2020 mm	525 mm

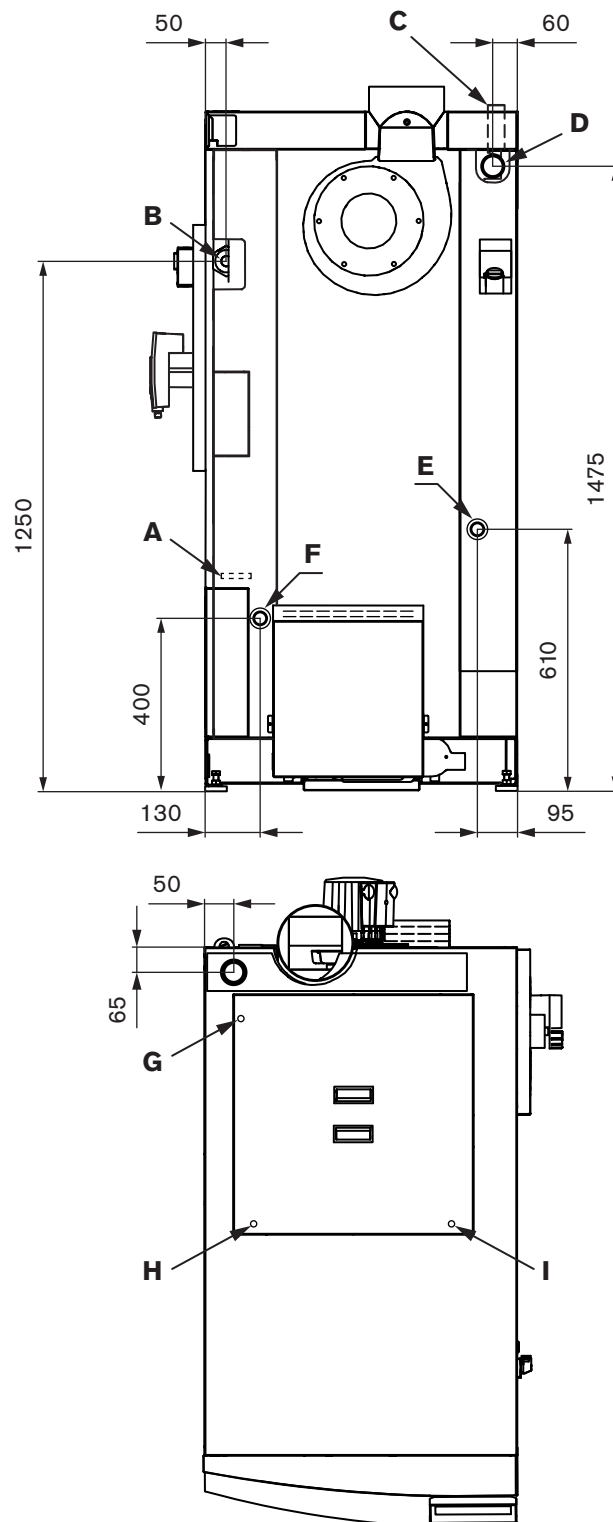
1.1 Dimensioning



All dimensions in mm

1.1 Connections

→ Connections of the right boiler are mirrored



All dimensions in mm

Pos	Description	Pos	Description	Pos	Description
A	Return sensor	D	Flow	G	Boiler sensor
B	Return	E	Expansion vessel	H	Combustion chamber sensor
C	Safety group	F	Emptying	I	Lambda sensor

1.1 Technical Data

Eco-HK 70-120						
Designation	Unit	Eco-HK 70	Eco-HK 90	Eco-HK 100	Eco-HK 110	Eco-HK 120
Nominal heat output for wood chips/pellets	kW	21-70	27-90	29.7-99	32.4-108	36-120
Fuel heat output for wood chips	kW	22.1-73.2	28.2-94.4	31.0-104	33.7-113.7	37.4-126.6
Fuel heat output for pellets	kW	22.1-74	28.3-95.3	31.2-105.5	34-115.4	37.7-128.6
Boiler class (EN 303-5)		5				
Fuel and fuel classification (EN ISO 17225)		Wood chips (A1-B1)/wood pellets (A1)				
Boiler height	mm	1670				
Boiler width:	mm	875				
Boiler depth:	mm	1560				
Transport dimensions H x B x T	mm	1670 x 745 x 1320				
FL connection height	mm	1475				
RL connection height	mm	1250				
Emptying	inches	3/4 IT				
Flow	inches	1 1/2 IT				
Return	inches	1 1/2 IT				
Expansion vessel connection	inches	3/4 IT				
Safety valve connection	inches	1 IT				
Permissible operating pressure	bar	3				
Max. operating temperature	°C	85				
Water content	l	180				
Weight	kg	865		890		
Req. delivery pressure	Pa	2				
Flue draft max. limit	Pa	10				
Flue pipe diameter	mm	180				
Flue gas temperature	°C	140	150	140	150	160
CO ₂	%	14				
Flue gas mass flow rate	kg/sec	144.72	186.84	205.56	225.00	250.56
Water-side resistance dT 10°	mbar	57.1	94.4	112.4	139.2	165.1
Water-side resistance dT 20°	mbar	14.6	24.1	28.7	35.5	42.1
Power consumption	W	215	222	225	228	232
Electric supply		400V AC, 50 Hz, 16 A				
Noise emission (operation) ¹	dBA	55.4				

¹ Emission of airborne noise from the wood chip system in the boiler room; no significance for noise emissions at the chimney outlet or in the surrounding area