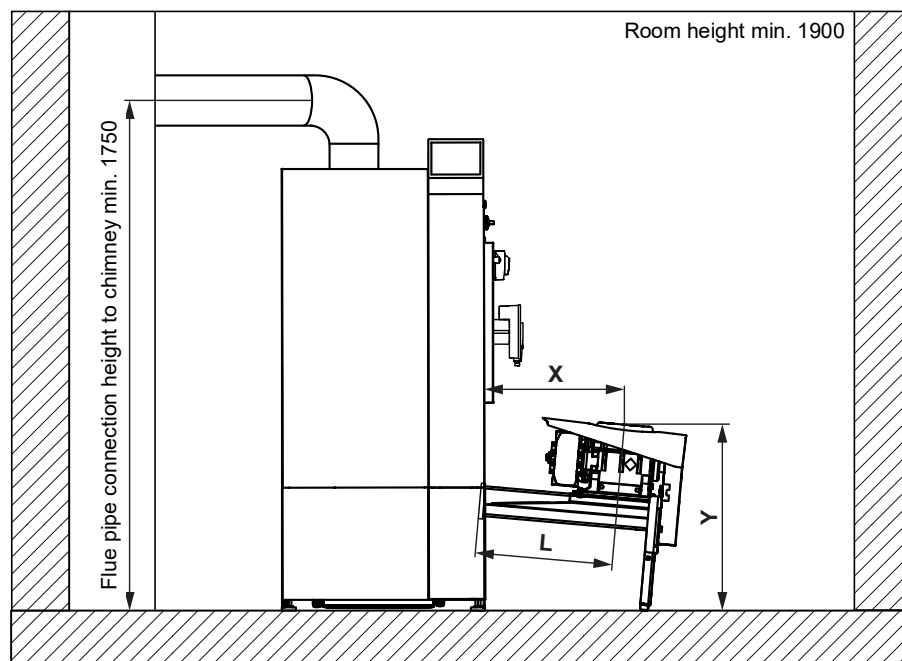
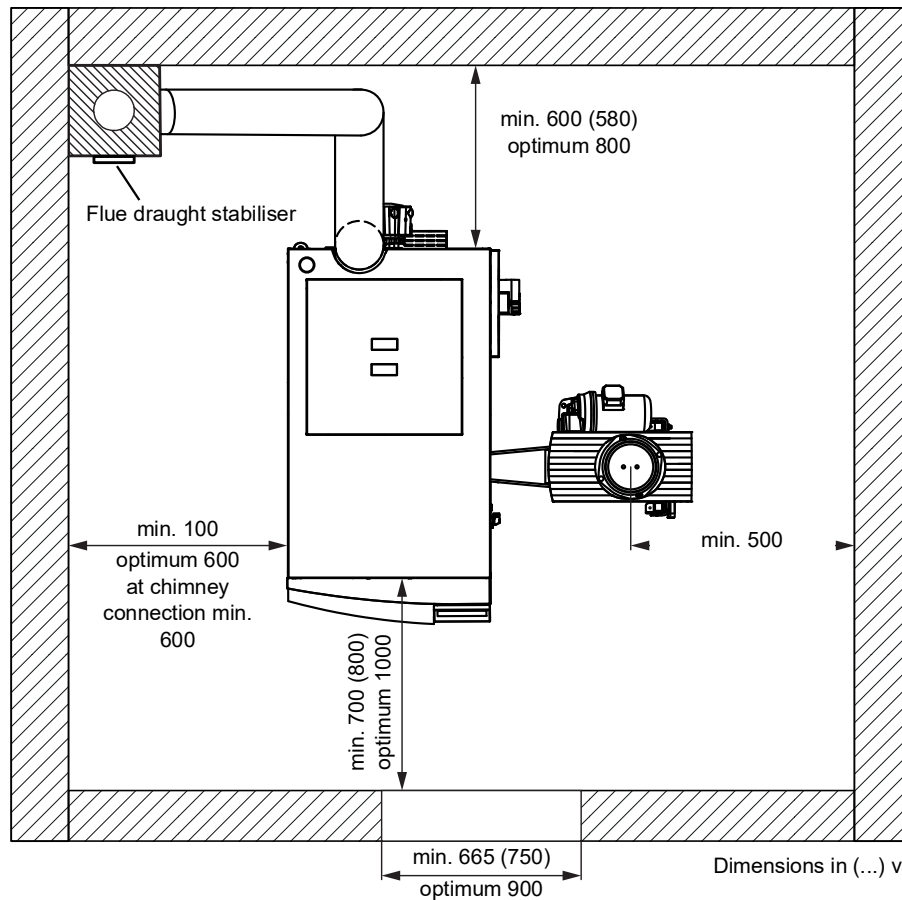


1 Installation dimensions for Eco-HK 20-60

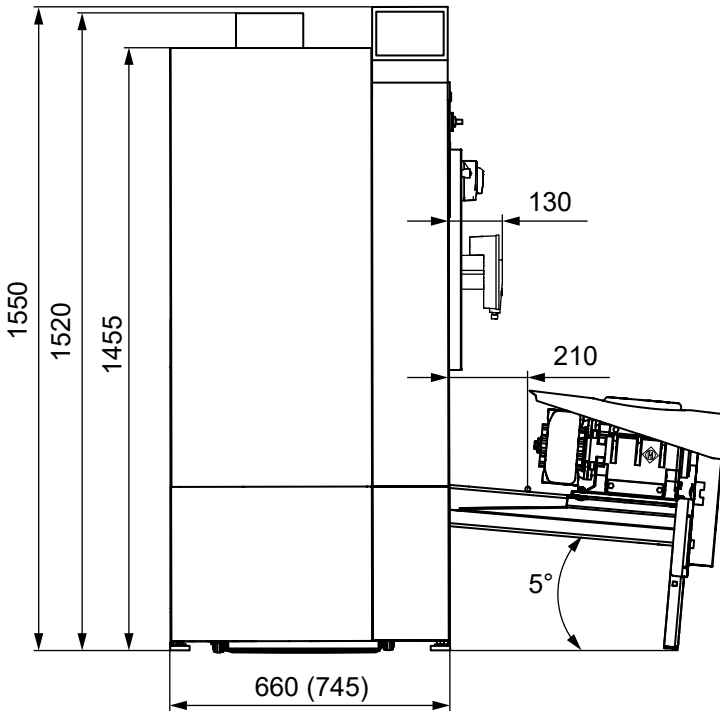
1.1 Space requirements



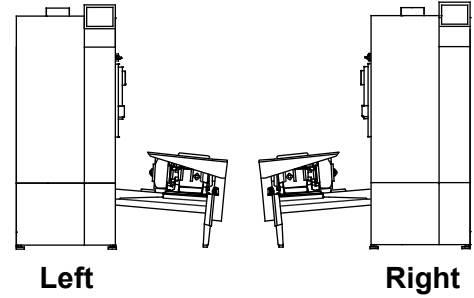
	Stoker unit length L			
	500 mm	1000 mm	1500 mm	2000 mm
Stoker depth X	520 mm	1020 mm	1520 mm	2020 mm
Stoker height Y	615 mm	570 mm	530 mm	485 mm

1.2 Dimensioning

Dimensions in (...) valid for Eco-HK 40-60
all dimensions in mm



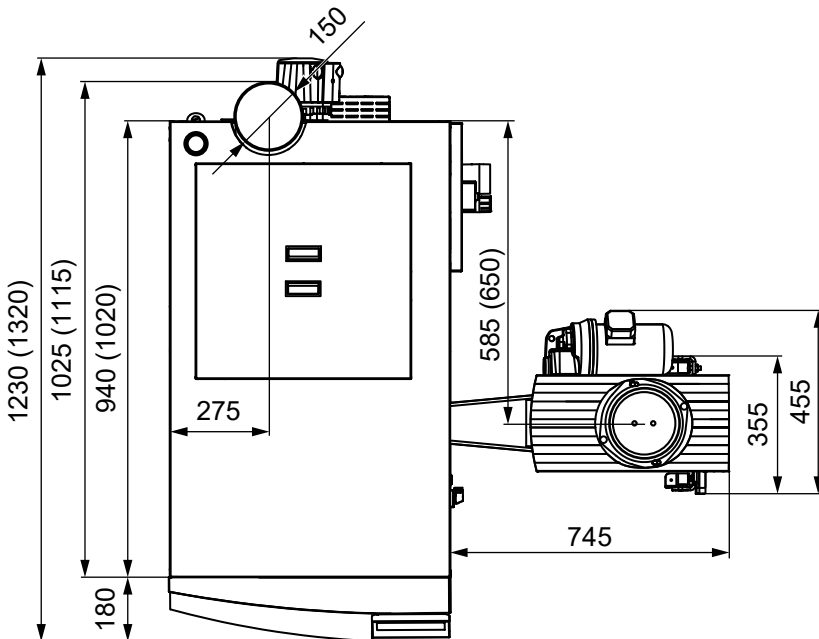
Boiler type



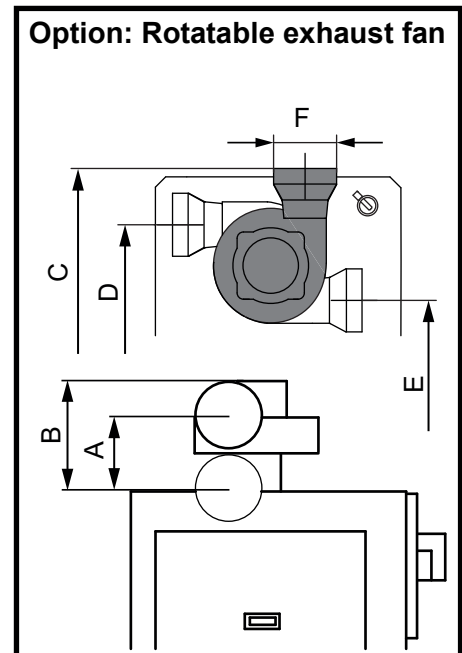
Left

Right

Image of Eco-HK 20-60 with standard
stoker unit L = 500 mm



Option: Rotatable exhaust fan

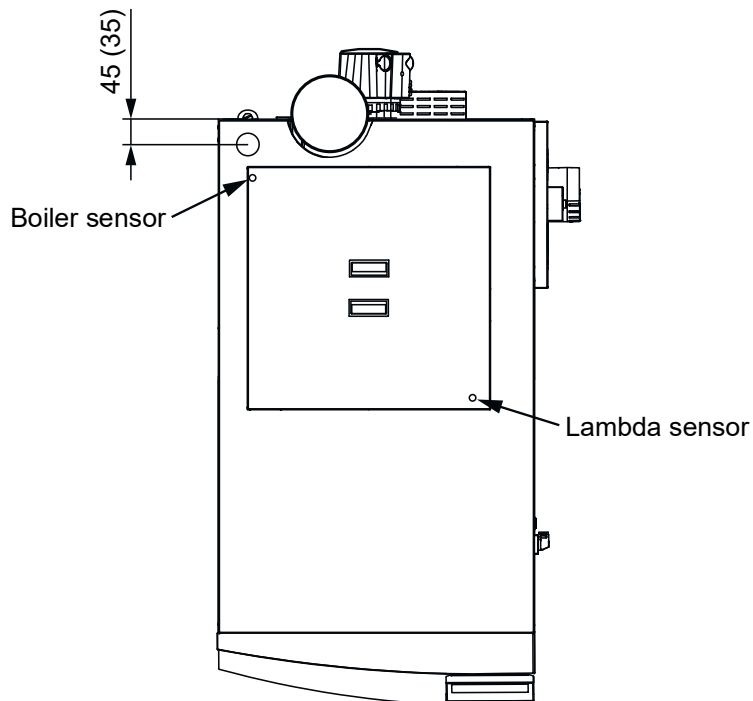
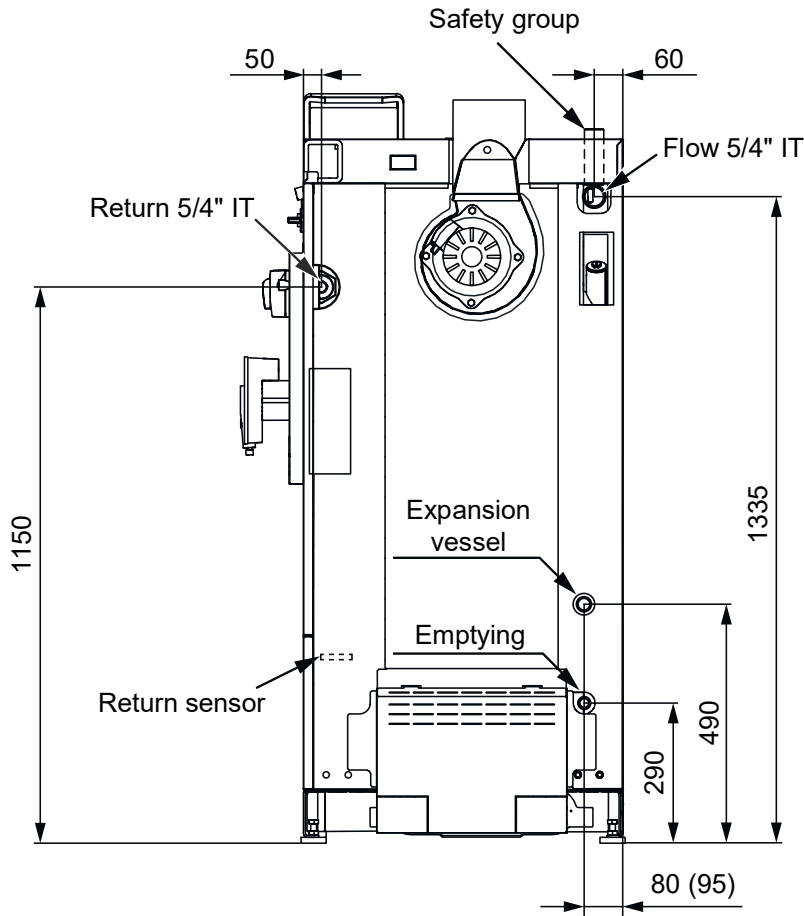


	A	B	C	D	E	F
Eco-HK 20-60	150	275	1450	1300	1120	Ø150

Position D is not possible with a left boiler because the flue pipe would cover the flow.

Position E is not possible with a right boiler because the flue pipe would cover the return.

1.3 Connections

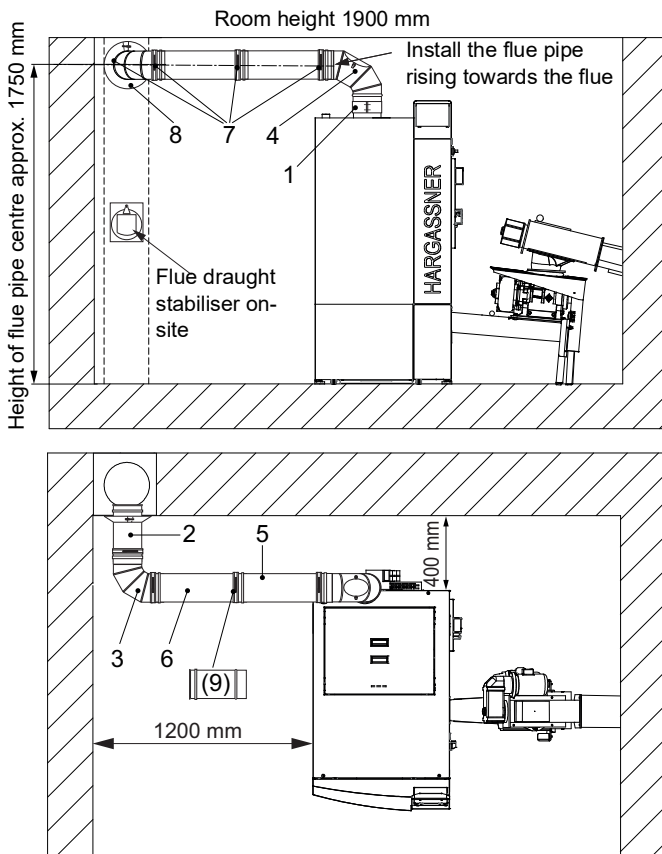
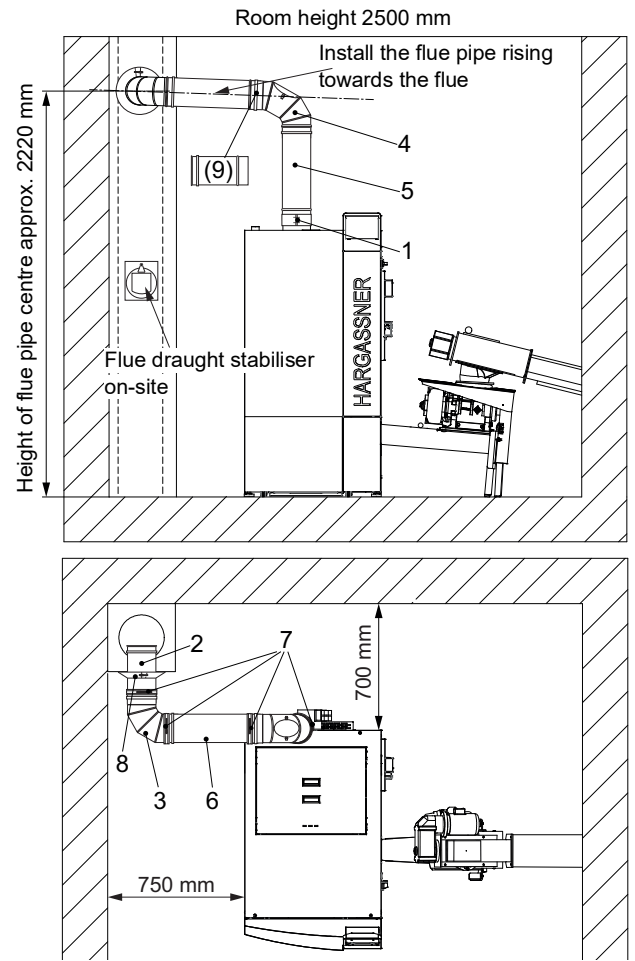
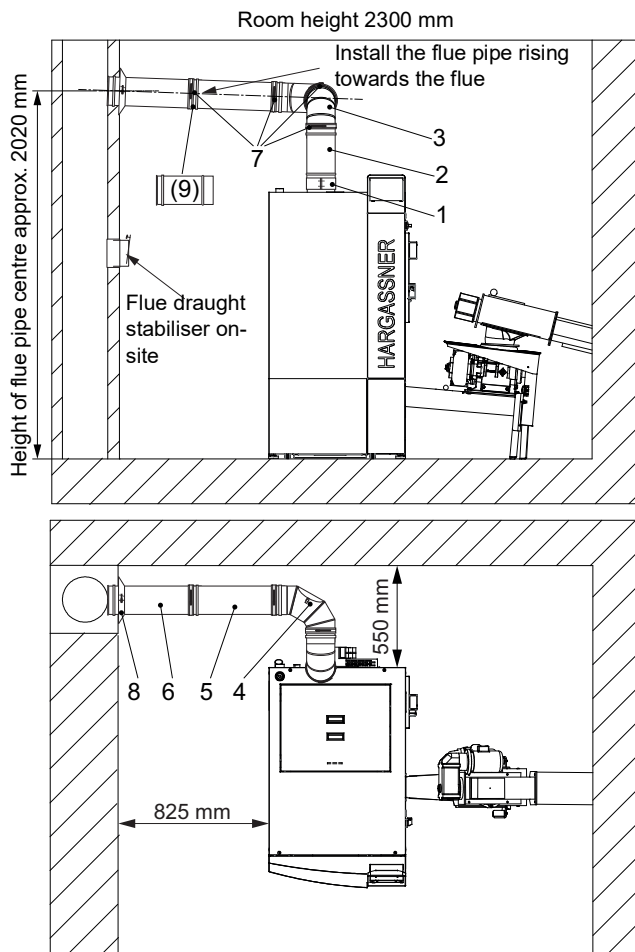


1.4 Technical Data

Designation	Unit	Eco-HK 20	Eco-HK 30	Eco-HK 35	Eco-HK 40	Eco-HK 50	Eco-HK 60
Power range	KW	6-20	9-30	10.5-35	12-40	14.7-49	18-60
Fuel heat output	KW	20.8	31.3	36.6	41.8	51.1	62.6
Boiler class (according to EN 303-5:2012)		5					
Fuel and fuel class (according to EN ISO 17225)		Wood chips (A1-B1) / wood pellets (A1)					
Boiler height	mm	1550					
Boiler width	mm	660			745		
Boiler depth	mm	1230			1320		
Transport dimensions (HxWxD)	mm	1520x660x1025			1520x745x1115		
FL connection height	mm	1335					
RL connection height	mm	1150					
Emptying	inches	1/2 IT					
Flow	inches	5/4 IT					
Return	inches	5/4 IT					
Expansion vessel connection	inches	3/4 IT					
Safety group (safety valve) connection point	inches	Group 1 IT					
Permissible operating pressure	bar	3					
Max. operating temperature	°C	85					
Min. operating temperature	°C	78					
Min. return temperature	°C	58					
Water content	litres	100			142		
Weight	kg	490			620		
Req. delivery pressure	Pa	2					
Flue draft max. limit	Pa	10					
Flue pipe diameter	mm	150					
Flue gas temperature at nominal load	°C	140	150	160	140	150	160
CO ₂	%	14					
Flue gas mass flow rate at nominal load	kg/sec	0.0114	0.0172	0.0201	0.0228	0.0281	0.0344
Water-side resistance dT 10°	mbar	11.0	24.0	33.0	80.0	118.0	174.0
Water-side resistance dT 20°	mbar	2.5	6.0	8.5	21.0	31.0	46.0
Power consumption at nominal load	W	105			211		
Power consumption standby	W	9					
Electric supply		400 V AC, 50 Hz, 13 A					
Noise emissions (normal operation)*	dB(A)	57.6					

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

1.5 Flue pipe connection set without flue draught stabiliser

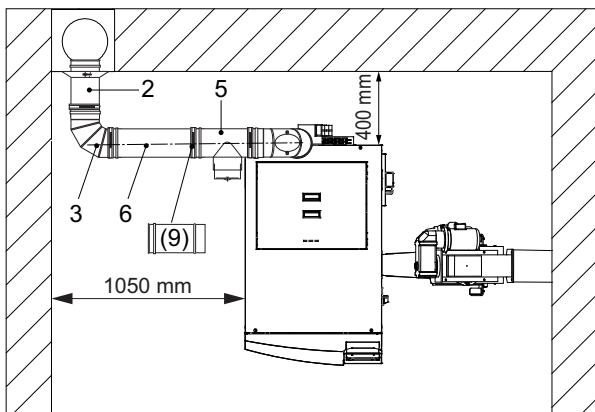
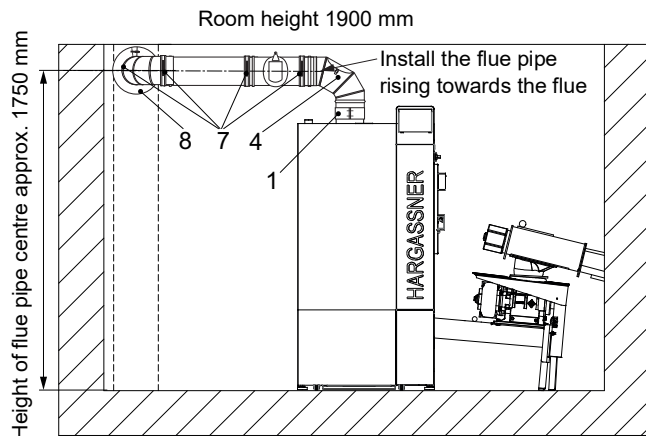
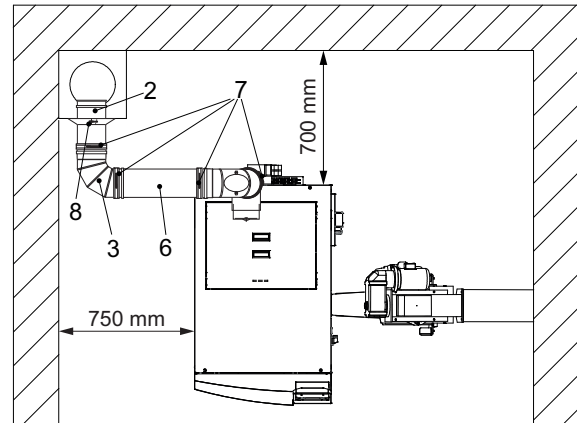
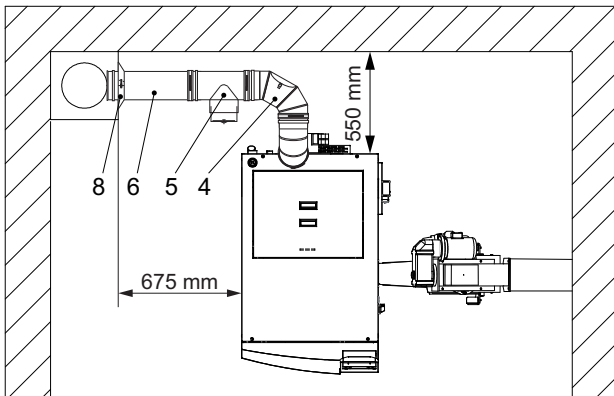
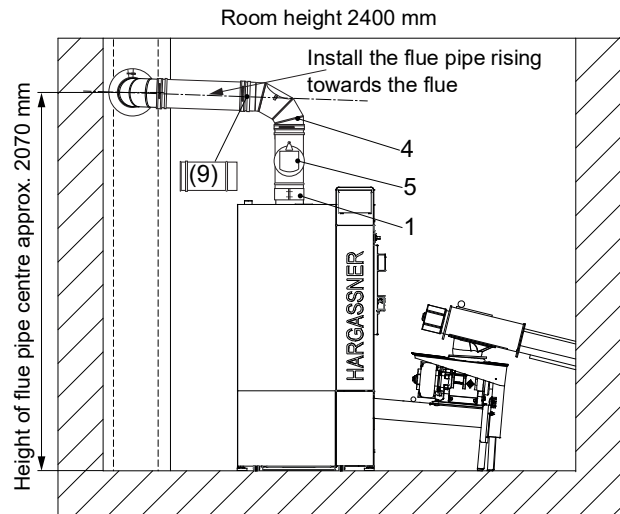
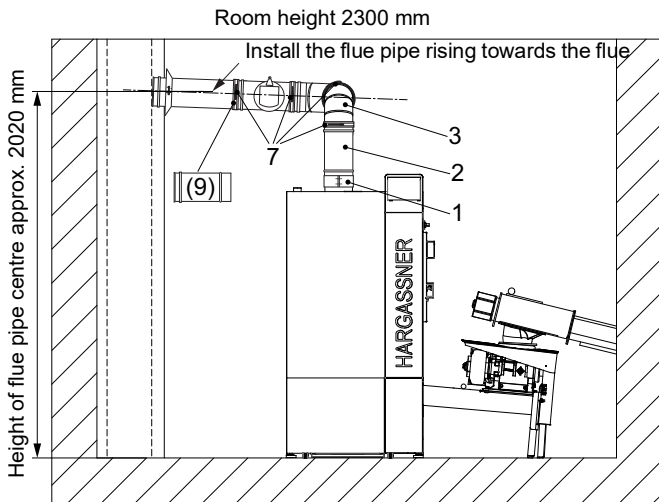


Flue pipe connection set:
ADO Ø 150 mm without flue draught stabiliser
 (Art no.: 7115021)

1. Boiler clamp
2. Pipe L 190 mm
3. Bend without access panel
4. Bend with access panel
5. Pipe L 440 mm
6. Pipe L 440 mm
7. Clamping ring (4 pieces)
8. Rosette
9. Extension (optional)
 190 / 260 - 420 / 440 / 940 mm

Install flue draught stabiliser in chimney on-site

1.6 Flue pipe connection set with flue draught stabiliser



Flue pipe connection set:

ADO Ø 150 mm with flue draught stabiliser

(Art. no.: 7115020)

1. Boiler clamp
2. Pipe L 190 mm
3. Bend without access panel
4. Bend with access panel
5. T-piece
6. Pipe L 440 mm
7. Clamping ring (4 pieces)
8. Rosette
9. Extension (optional)
190 / 260 - 420 / 440 / 940 mm