

Technical submittal



Products: **Upton UF750-3**

Project:

Customer:

Date:

- ⊗ Aluminium heat exchanger
- ⊗ 15:1 turndown ratio
- ⊗ 6 bar rated heat cell
- ⊗ 5-year heat exchanger warranty
- ⊗ 94.3% gross seasonal efficiency
- ⊗ 688.2kW output @80/60°C
- ⊗ Fits in a footprint of 700 x 940mm
- ⊗ Passes through a standard door width
- ⊗ 35mg/kWh NOx emissions gross (natural gas)
- ⊗ Noise at maximum modulation of 58.5dba
- ⊗ Built-in controls platform with sequence control and capable of controlling up to 16 boiler modules and hot water circuits
- ⊗ British manufactured



	Boiler model	Units	UF750-3
	No. of modules		3
Energy	Building Regulations Part L seasonal efficiency	% gross	94.3
	Building Regulations Part L seasonal efficiency	% nett	104.8
	Boiler output 80/60°C	kW	688.2
	Boiler output 50/30°C	kW	740.7
	Boiler input gross (maximum)	kW	785.8
	Boiler input nett (maximum)	kW	707.6
	Boiler output 80/60°C (minimum)	kW	45.9
	Boiler output 50/30°C (minimum)	kW	49.4
Water	Water content	litres	59.4
	System design flow rate @ 11°C ΔT rise	l/s	16.3
	Water side pressure loss @ 11°C ΔT rise	mbar	767
	System design flow rate @ 20°C ΔT rise	l/s	9
	Water side pressure loss @ 20°C ΔT rise	mbar	234
	Minimum operating water pressure	barg	0.5
	Maximum operating water pressure	barg	5.3
	Maximum water pressure	barg	6
	Maximum flow temperature setting	°C	85
	Minimum flow temperature setting	°C	30
Gas	Gas flow rate (maximum) (Nat gas)	m³/hr	74.9
	Nominal inlet pressure (Nat gas)	mbar	20
	Maximum inlet pressure (Nat gas)	mbar	25
Flue	Approx flue gas volume @ 72°C, 9.0% CO ₂	m³/hr	1182
	Maximum flue gas temperature @ 80/60°C	°C	72
	Maximum flue gas temperature @ 50/30°C	°C	42
	Pressure available at flue connection	Pa (mbar)	130 (1.3)
	NO _{x,pond,Hs} (gross) emission (0% excess oxygen, dry air) (Nat gas)	mg/kWh	35
	NO _{x,pond} (nett) emission (0% excess oxygen, dry air) (Nat gas)	mg/kWh	39
	NO _x Class		6
Connection	Water flow/return connections	inches	R2-11
	Gas inlet connection pipe thread size	inches	G1¼
	Flue connection diameter (I/D)	mm	250
	Condensate trap connections (O/D)	mm	34
Electrics	Electrical supply		230V ~ 50Hz
	Power consumption - maximum boiler modulation	W	855
	Run current (per module)	Amp	1.2
	Approx shipping weight	kg	705
	Noise emission @1m @max modulation (per module)	Max dB (A)	58.5

*Dependent on ΔT - see full brochure

Every effort has been taken to ensure the details are accurate. Hamworthy Heating does not, however, guarantee the accuracy or completeness of any information nor does it accept liability for any errors or omissions in the information. Hamworthy Heating reserves the right to make changes and improvements which may necessitate alteration to product specification without prior notice.

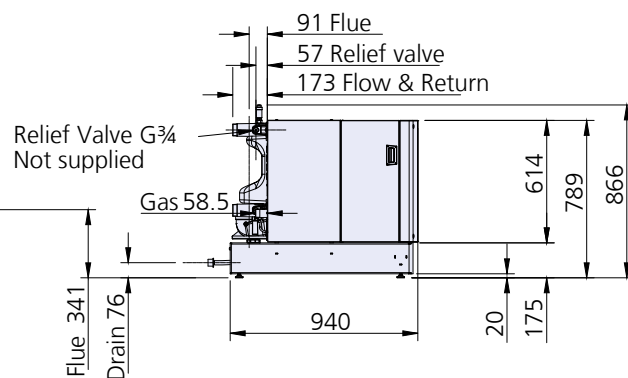
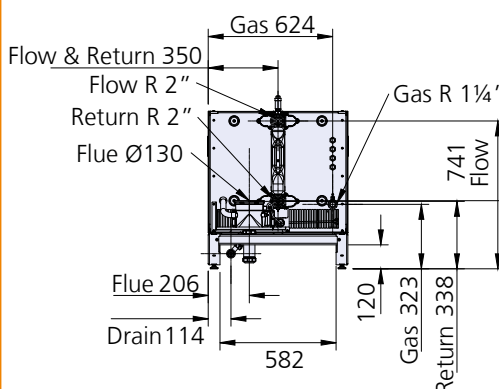
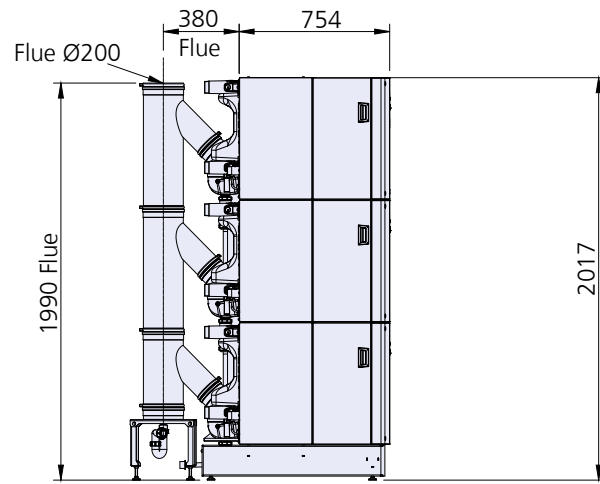
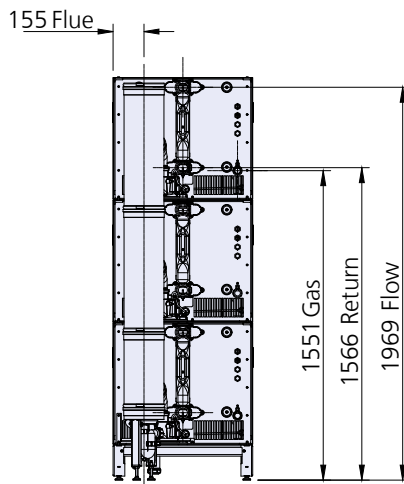
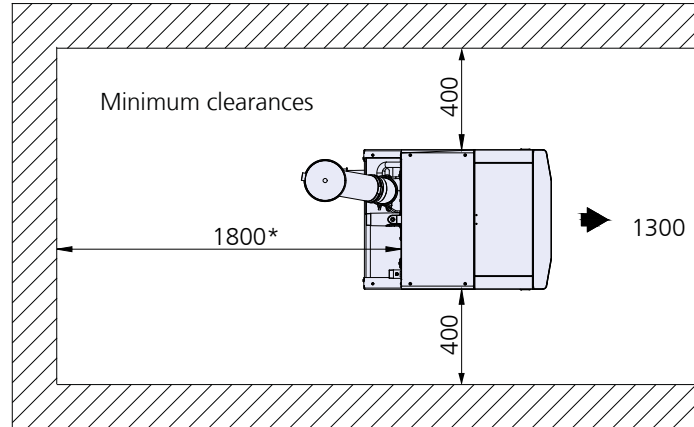
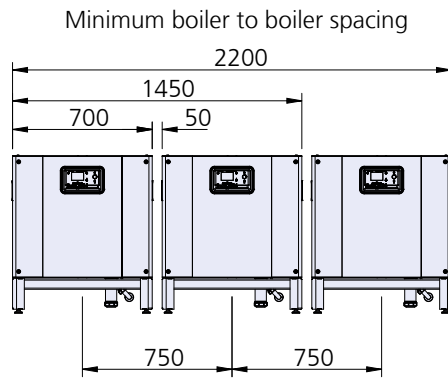
Technical submittal

Products: **Upton UF750-3**

Project:

Customer:

Date:



*Note: Rear clearance required when using Hamworthy pipe kits.

All dimensions in mm unless otherwise stated.