

Upton

Technical information

300-350 kW models

	Boiler model	Units	UF300-1	UF600-2	UF900-3	UF350-1	UF700-2	UF1050-3
Energy	No. of modules		1	2	3	1	2	3
	Building regulations Part L seasonal efficiency	% gross	95.6	95.6	95.6	96.9	96.9	96.9
	Boiler output 80/60°C	kW	273.0	546.0	819.0	316.4	632.8	949.2
	Boiler output 50/30°C	kW	295.9	591.8	887.7	348.9	697.8	1046.7
	Boiler input gross (maximum)	kW	314.6	629.1	943.7	360.8	721.6	1082.5
	Boiler input nett (maximum)	kW	283.3	566.5	849.8	324.9	649.8	974.8
Water	Boiler output 80/60°C (minimum)	kW	54.6	54.6	54.6	63.3	63.3	63.3
	Water content	litres	23.4	46.8	70.2	27.0	54.0	81.0
	System design flow rate @ 11°C ΔT rise	l/s	6.5	13.0	19.6	7.6	15.2	22.8
	Water side pressure loss @ 11°C ΔT rise	mbar	807	807	807	835	835	835
	System design flow rate @ 20°C ΔT rise	l/s	3.6	7.2	10.8	4.2	8.4	12.6
	Water side pressure loss @ 20°C ΔT rise	mbar	246	246	246	255	255	255
	Maximum water pressure	barg	6	6	6	6	6	6
	Maximum flow temperature setting	°C	85	85	85	85	85	85
Gas	Minimum flow temperature setting	°C	30	30	30	30	30	30
	Gas flow rate (maximum)	m³/hr	30.0	60.0	89.9	34.4	68.8	103.1
	Gas inlet pressure – minimum/nominal/maximum	mbar	17.5 min / 20.0 nom / 25.0 max					
Flue	Approx flue gas volume @ 72°C, 9.0% CO ₂	m³/hr	474	948	1422	543	1086	1629
	Maximum flue gas temperature @ 80/60°C	°C	72	72	72	72	72	72
	Pressure available at flue connection	Pa	100	100	80	110	70	60
		mbar	1.0	1.0	0.8	1.1	0.7	0.6
	NOx, pond, Hs (gross) emission (0% excess oxygen, dry air)	mg/kWh	34	34	34	36	36	36
	NOx Class		6	6	6	6	6	6
Misc.	Electrical supply		230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
	Approx shipping weight	kg	287	551	815	310	597	884
	Noise emission @1m @max modulation (per module)	Max dB (A)	60.9	60.9	60.9	60.9	60.9	60.9

Dimensions 300-350kW models

Height to top of flue terminal (A)	
No. of modules	mm
3	1990
2	1376

Flue depth centreline (B)	
Models	mm
3UF600-2 & UF900-3	381
2UF700-2 & UF1050-3	450

Note: All dimensions in mm unless otherwise stated.

***Note:** the rear clearance allows for installation of a Hamworthy pipe kit. If installing a third stack of boilers either an additional 500mm clearance would be required behind the pipe kit or the spacer spool (400mm) would need to be fitted between the second and third boiler stack.

