

Technical Data

Fleet Vertical Boilers - Three High Modules

	Model	F175V-525	F200V-600	F250V-750	F300V-900	F350V-1050
Energy	Building Regulations seasonal efficiency gross (%)	95.5	95.5	95.5	95.5	97.4
	Boiler output 50/30°C kW Btu/h x 1000	525 1791	600 2047	750 2559	900 3071	1050 3583
	Boiler output 80/60°C kW Btu/h x 1000	474.9 1620	542.7 1852	678.6 2315	814.2 2778	949.8 3241
	Boiler input (gross) Maximum kW Btu/h x 1000	539.5 1841	616.6 2104	770.7 2630	924.9 3156	1079 3682
	Boiler input (nett) Maximum kW Btu/h x 1000	486.1 1659	555.6 1896	694.2 2369	833.4 2844	972.3 3317
	Boiler output Minimum 80/60°C kW Btu/h x 1000	31.7 108	36.2 124	45.2 154	54.3 185	63.3 216
Water	Water content (not including headers) litres	39	45	51	60	75
	Design flow rate @ 20°C Δt rise l/s	6.3	7.2	9.0	10.8	12.6
	Residual pump head @ 20°C Δt rise kPa m	27 2.7	20 2	14 1.4	42 4.2	34 3.4
	Maximum water pressure barg	6.0				
Gas	Gas flow rate natural gas (G20) – Maximum m³/h	51.3	65.1	73.2	87.9	102.6
	Gas inlet pressure natural gas (G20) mbar	17.5 Minimum 20.0 Nominal 25.0 Maximum				
Flue	Approx. Flue gas volume @ 15°C, 9.2% CO ₂ , N.T.P m³/h	675	780	975	1170	1350
	Maximum flue gas temperature °C	65				
	NO _x Emission (DAF) European Class 5 mg/kWh	56	56	47	60	40
	Pressure at flue outlet Pa mbar	150 1.5				
Connection	Water flow/return connections	R1½"			R2"	
	Gas inlet connections	R1"			R1¼"	
	Nominal flue manifold diameter (I/D) mm	200			250	
	Safety valves (pipe tail) mm	22				
	Condensate trap connection(s) (O/D) mm	40				
Electrics	Power consumption – maximum W	1680	1680	1650	1740	4500
	Nominal supply voltage	230V 1Ph 50Hz				
	Module current Start Amps Run Amps	3.5 2.2			3.7 2.5	8.5 6
	Approx. shipping weight kg	440	554	610	738	908
	Noise emission @ 1m Max dB (A)	62	62	53	66.5	72