

Technical Data

Fleet Wall Hung Boilers

	Boiler Model	F40W	F50W	F60W	F70W	F85W	F100W	F125W	F150W
Energy	Building Regulations seasonal efficiency gross (%)	97.4	97.4	95.5	95.5	95.5	95.5	95.5	97.4
	Boiler output 50/30°C kW Btu/h x 1000	40 136	50 171	60 205	70 239	85 290	100 341	125 427	150 512
	Boiler output 80/60°C kW Btu/h x 1000	36.1 123	45.1 154	54.1 185	63.2 216	76.7 262	90.3 308	112.8 385	135.4 462
	Boiler input (gross) Maximum kW Btu/h x 1000	41.0 140	51.3 175	61.5 210	71.8 245	87.2 298	102.6 350	128.2 437	153.8 525
	Boiler input (nett) Maximum kW Btu/h x 1000	36.9 126	46.2 158	55.4 189	64.7 221	78.5 268	92.4 315	115.5 394	138.6 473
	Boiler output Minimum 80/60°C kW Btu/h x 1000	7.2 25	9.0 31	10.8 37	12.6 43	15.3 52	17.9 61	21.6 74	26.9 92
Water	Water content (not including headers) litres	4	4	5	5	6	6	7	8
	Design flow rate @ 20°C Δt rise l/s	0.48	0.6	0.72	0.84	1.02	1.19	1.49	1.79
	Residual pump head @ 20°C Δt rise kPa m	2.7 0.27	2.0 0.20	1.4 0.14	0.6 0.06	4.2 0.42	3.4 0.34	2.2 0.22	3.0 0.30
	Maximum water pressure barg	6.0							
Gas	Gas flow rate natural gas (G20) – Maximum m³/h	3.9	4.8	5.8	6.8	8.25	9.7	11.7	14.6
	Nominal gas inlet pressure natural gas (G20) mbar	20							
	Maximum gas inlet pressure natural gas (G20) mbar	25							
Flue	Approx. Flue gas volume @ 15°C, 9.1% CO ₂ , N.T.P m³/h	60	75	90	105	120	150	187	225
	Maximum flue gas temperature °C	65							
	NO _x Emission (DAF) European Class 5 mg/kWh	35	35	36	36	37	37	38	39
	Pressure at flue outlet Pa mbar	150 1.5							
Connection	Water flow/return connections	Rp1"						Rp1 1/4"	
	Gas inlet connection	R3/4"						R1"	
	Nominal flue diameter (I/D) mm	80						100	
	Safety valve (pipe tail) mm	22							
	Condensate trap connection(s) (O/D) mm	32							
Electrics	Power consumption – maximum W	160	160	160	160	350	450	350	600
	Nominal supply voltage	230V 1Ph 50Hz							
	Module current Start Amps Run Amps	0.85 0.35				2.1 1.0			2.4 1.2
	Approx. shipping weight kg	75		90		105		120	130
	Noise emission @ 1m Max dB (A)	56	58	52	54	58	61	63	68