

# 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 40	50	60	70	85	100	125	150	
		Btu/h x 1000 136	171	205	239	290	341	427	512	
	Boiler output 80/60°C	kW 36.1	45.1	54.1	63.2	76.7	90.3	112.8	135.4	
		Btu/h x 1000 123	154	185	216	262	308	385	462	
	Boiler input (gross) Maximum	kW 41.0	51.3	61.5	71.8	87.2	102.6	128.2	153.8	
	Btu/h x 1000 140	175	210	245	298	350	437	525		
Boiler input (nett) Maximum	kW 36.9	46.2	55.4	64.7	78.5	92.4	115.5	138.6		
	Btu/h x 1000 126	158	189	221	268	315	394	473		
Boiler output Minimum 80/60°C	kW 7.2	9.0	10.8	12.6	15.3	17.9	21.6	26.9		
	Btu/h x 1000 25	31	37	43	52	61	74	92		
Water	Water content (not including headers)	litres	4	4	5	5	6	7	8	
	Design flow rate @ 20°C Δt rise	l/s	0.48	0.6	0.72	0.84	1.02	1.19	1.79	
	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 <sub>2</sub> , N.T.P	m³/h	60	75	90	105	120	150	187	225
	Maximum flue gas temperature	°C	65							
	NOx 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"					Rp1¼"		
	Gas inlet connection		R¾"					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	