

VANGUARD L.

760 - 2650kW

PRESSURE JET



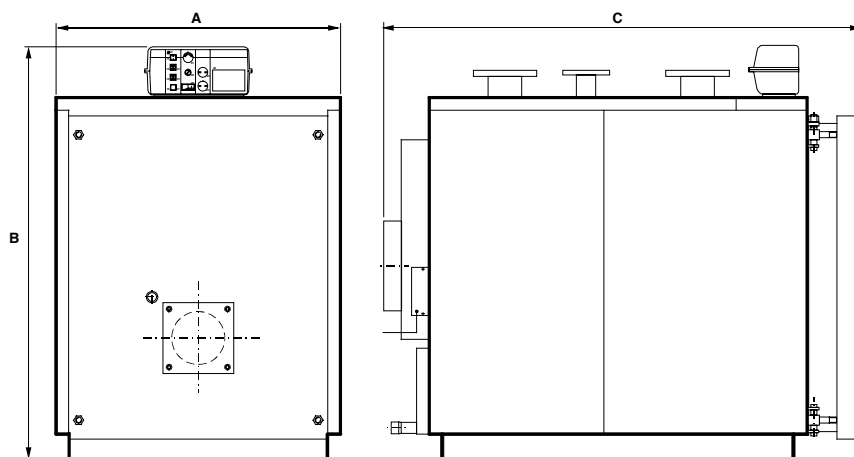
Vanguard L boilers are designed with a large combustion chamber positioned in the lower part of the heat exchanger. The Vanguard L range ensures maximum heat transfer efficiency (up to 92.5% nett) and is capable of an impressive output to size ratio.

FEATURES AND BENEFITS

- High efficiency (full and part load)
- Minimal emissions
- Reverse flame steel heat exchanger
- Compact size
- Easy to install and service
- Minimum return temperature 50°C
- Building Regulations L2 Compliant
- Natural gas, oil fired or dual fuel
- Packaged boiler; can include Nuway or Riello as standard (options on request)
- 6 bar pressure as standard

DIMENSIONS AND CLEARANCES

BOILER	DIM A	DIM B	DIM C
760	1122	1622	1989
870	1122	1622	2184
970	1122	1622	2379
1100	1352	1622	2346
1320	1352	1622	2686
1570	1462	1732	2781
1850	1462	1732	3151
2200	1622	1892	3225
2650	1622	1892	3545



The following minimum clearances must be maintained for operation and servicing:

FRONT SAME AS BOILER	REAR 500mm	L SIDE 100mm	R SIDE 200mm + BURNER	TOP 1000mm
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For full details of all configurations and specifications, please refer to the Vanguard L installation manual.

All dimensions in mm



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VANGUARD L 760 - 2650kW

TECHNICAL SPECIFICATIONS.



MODEL		760	870	970	1100	1320	1570	1850	2200	2650	
Maximum Heat Output	kW	760	870	970	1100	1320	1570	1850	2200	2650	
Minimum Heat Output	kW	580	660	750	860	1000	1200	1400	1700	2000	
Boiler Water Content	l	671	753	836	1040	1242	1418	1617	2086	2324	
Hydraulic Resistance at 11K	mbar	47.6	60.4	75.0	54.9	64.1	60.4	82.4	62.2	87.8	
Hydraulic Resistance at 20K	mbar	14.4	18.3	22.7	16.6	19.4	18.3	24.9	18.8	26.6	
Combustion Chamber Resistance	mbar	51	57	49	52	67	60	73	65	76	
Boiler DRY Weight Less Burner Unit	kg	1341	1447	1553	1821	2030	2780	3280	4145	4465	
Flue Size		350			400		450		520		
Maximum Flow Temperature	°C	90									
Maximum Burner Blast Tube Dia (T6)	mm	270			320			380			
Gas Firing Data											
Maximum Gas Rate	m ³ /h	84.9	97.1	108.3	122.8	147.5	175.4	206.7	246.3	296.4	
Maximum Flue Gas Volume	m ³ /sec	0.45	0.52	0.57	0.65	0.78	0.93	1.08	1.26	1.51	
Maximum Flue Gas Temperature at 9% CO ₂	°C	195	195	195	195	195	195	195	195	195	
Seasonal Efficiency	%	84.20	84.20	84.19	84.22	84.19	84.20	84.20	84.22	84.22	
Oil Firing Data											
Maximum Oil Rate	l/h	85.2	97.4	108.6	123.2	147.9	176.0	207.4	247.1	297.3	
Maximum Flue Gas Volume	m ³ /sec	0.44	0.52	0.56	0.64	0.76	0.91	1.07	1.26	1.52	
Maximum Flue Gas Temperature at 9% CO ₂	°C	195	195	195	195	195	195	195	195	195	
Seasonal Efficiency	%	84.20	84.20	84.19	84.22	84.19	84.20	84.20	84.22	84.22	
Minimum Flow Rates											
Normal Water Flow Rate Temperature Difference 11°C (20°F)	l/s	16.50	18.89	21.06	23.88	28.65	34.09	40.17	47.77	57.54	
Minimum Water Flow Rate Temperature Difference 35°C (63°F)	l/s	9.08	10.39	11.58	13.14	15.76	18.75	22.09	26.27	31.65	

CONVERSIONS.

- 1 kW = 3412 Btu/h
- 1 litre = 0.22 gallons
- 1 mbar = 0.4 in.w.g.
- 1 kg = 2.2 lb
- 1m³/h = 35.315 ft³/h
- 1m³/sec = 2120 ft³/min
- 1l/h = 0.220 gal/h
- 1l/s = 13.198 gal/min

GET A QUOTE.

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