

new

vp

...virtuoso performer

tubular gas fired cabinet heaters

BY POWRMATIC



2 year parts and labour guarantee

92% combustion efficiency

ECA approved

setting new standards...

... for warm air heating



CE

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introduction

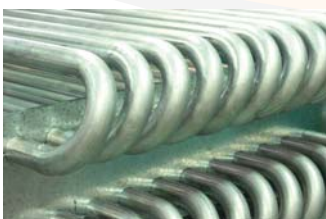
The VP range of cabinet heaters gives specifiers, installers and users a long awaited alternative to traditional warm air heating products. This unique design uses the extensively proven NV burner and tubular heat exchanger technology combined with the successful Powrmaster air rotation system. The result is a highly efficient cabinet heater that, by moving large volumes of air at low velocity and at low temperature, offers unrivalled heat distribution.



vp...virtuoso performer


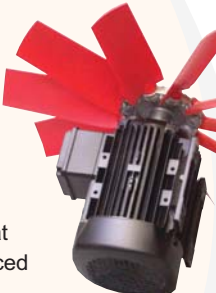


92% combustion efficiency



Low resistance to airflow

vp features

- **a wide range of outputs**
10kW to 280kW
- **92% combustion efficiency**
Utilises proven technology from the NV heater programme for maximum operational efficiency.
- **turndown**
All units have a turndown of 2:1 as standard with 4:1 available as an option.
- **in-built control**
An MC100 high specification heating controller with optimum start is fitted as standard.
- **eca approval**
100% capital allowance in the first year against the supply and installation cost. 
- **cost efficient heating**
The air rotation principle reduces the number of heaters, in most applications eliminates the use of destratification fans and reduces installation costs.
- **even distribution of heated air**
Efficient axial fans moving large volumes of heated air reduces the effects of stratification and distributes warm air evenly throughout the building. 
- **low resistance to airflow**
A unique tubular heat exchanger design offers low resistance to airflow compared with conventional heat exchangers, enabling low fan motor power and reduced energy requirements.
- **low noise**
Highly efficient axial fans are used for air distribution, resulting in much lower noise levels.
- **guarantee**
All units come with a comprehensive two year parts and labour guarantee.
- **simple maintenance**
Quick and easy access to the burner, tubular heat exchanger and axial fans reduce maintenance requirements and cost.

phone
01460 53535
for advice

vp accessories and options

- stainless steel heat exchanger.
- modulating, or high/low burner.
- room sealed option.
- propane (G31) to special order.
- comprehensive range of flue components.
- three phase electrical supply to special order (20 to 80) 120 to 280 three phase as standard.
- painted to BS 16-C-37 reef green - other colour options to special order.

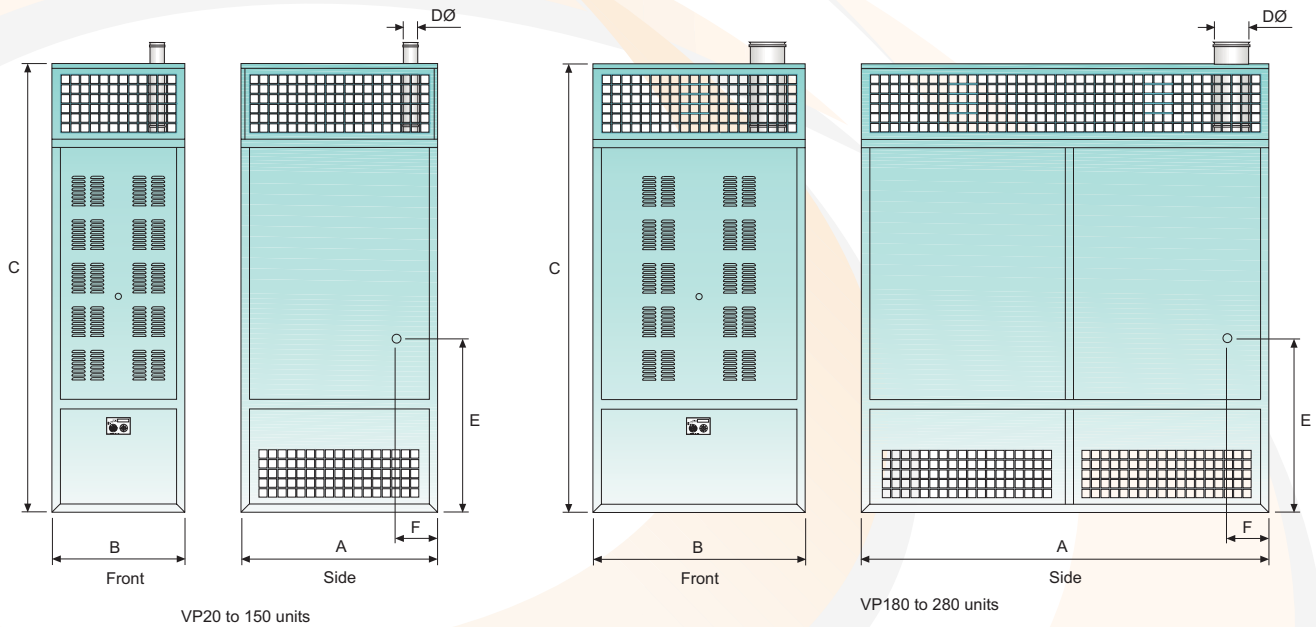
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vp data

dimensional data

Model	A mm	B mm	C mm	D mm	E mm	F mm
VP 20	905	750	2381	100	832	250
VP 40	1105	750	2526	100	977	250
VP 60	1105	978	2526	125	977	250
VP 80	1105	978	2526	125	977	250
VP 120	1450	1195	2526	150	1086	250
VP 150	1450	1195	2526	175	1086	250
VP 180	2550	1195	2526	175	1006	280
VP 240	2550	1195	2526	200	1006	280
VP 280	2550	1195	2526	200	1006	280



technical data

Model	High Fire			Low Fire			Air Volume m ³ /s	Fan Motor kW	Start Current A	Run Current A	Noise Level db(A)@3m	Weight kg
	Input kW	Output kW	Gas Rate m ³ /h	Input kW	Output kW	Gas Rate m ³ /h						
VP 20	21.60	20.00	2.28	6.57	5.90	0.69	0.5376	0.07	0.4	0.3	54	185
VP 40	43.70	40.00	4.62	11.58	9.92	1.22	1.0752	0.37	6.0	2.3	73	230
VP 60	65.20	60.00	6.89	18.34	16.30	1.94	1.6128	0.25	5.9	2.4	75	270
VP 80	87.00	80.00	9.20	24.19	21.22	2.56	2.1504	0.75	14.5	4.6	79	306
VP 120	130.40	120.00	13.79	35.63	31.49	3.77	3.2256	0.55	5.5	1.8	76	407
VP 150	162.50	150.00	17.18	42.61	37.50	4.51	4.0320	1.10	10.2	3.6	78	430
VP 180	190.50	180.00	20.14	58.50	54.50	6.19	4.8384	2 x 0.75	11.8	4.2	84	510
VP 240	252.60	240.00	26.71	75.45	71.00	7.98	6.4512	2 x 0.55	11.1	3.6	82	580
VP 280	297.90	280.00	31.50	98.92	92.55	10.46	7.5264	2 x 1.10	20.0	7.2	86	650

notes

- gas rates for natural gas with Net CV of 34.02 MJ/m³
- noise levels are for standard air volume and at 3m
- VP20 - VP80 Heaters 230V 1N, VP120 - VP280 heaters 400V 3N



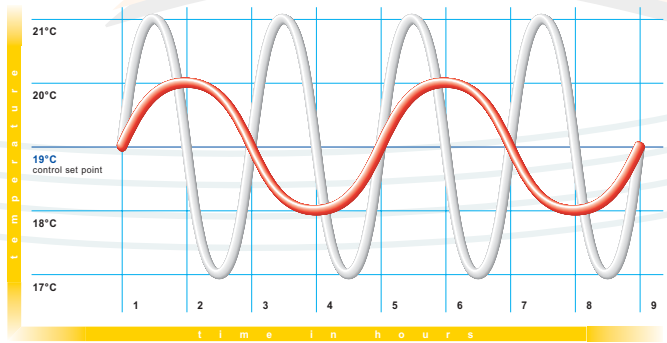
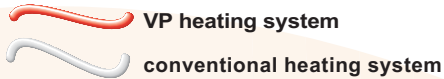
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space temperature control

VP, because of its low velocity, high air volume operation provides for excellent heat distribution and tight control of space temperature.

The diagram (right) shows the temperature control air rotation offers compared with a conventional system. A reduction in temperature 'peaks' and 'troughs' offers accurate temperature control and reduced energy usage.



COMPLETE HEATING, VENTILATION & AIR CONDITIONING CAPABILITY

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High efficiency cast iron gas and oil fired boilers

HEAT PUMPS



Quality range of mini-split and multi-split heat pumps

CONTROLS



Environmental controls

GAS UNIT HEATERS



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AQUAMATIC



extensive range of hot water and steam heating equipment

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Natural, powered and smoke ventilators proven worldwide

CABINETS



Oil and gas fired floor standing cabinet heaters

Whatever your heating or ventilation requirements, Powrmatic has the capability to provide the TOTAL solution - from a single source.

The comprehensive range of commercial and industrial heating equipment is supported by;

- HEAT PUMPS - a quality range of mini-split and multi-split heat pumps to suit all domestic and commercial applications.
- SIME BOILERS - an extensive range of oil fired and gas fired cast iron sectional boilers.
- AQUAMATIC – a comprehensive range of fan convectors for heating and cooling, also unit heaters and radiant panels suitable for hot water or steam.
- VENTILATION DIVISION of Powrmatic – leading specialists in the field of natural, powered and smoke ventilation.



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Heating, Air Moving Equipment, Fans
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