2688V Series

THOMAS
by Gardner Denver

FEATURES

> Maximum vacuum up to 98% of local barometer
> Corrosion resistant wetted parts
> Oil-less operation
> Air filter/capacitor assembled
> Lightweight aluminium die-cast components
> Dynamically balanced
> Permanently lubricated bearings
> Patented monolithic head
> Motor thermally protected
> Stainless steel valves
> Twin 9 blade internal cooling fans
> Reliable WOB-L® piston technology
> Agency approved (UL or TUV)
> RoHS compliant
> Easily serviced

Declaration documentation available upon request

BASE MODELS

2688VE44
(115/60/1)
2688VGHI44
(220-240/50/1 & 230/60/1)
2688VS44
(100/50/60/1)



TYPICAL APPLICATIONS

> Dental Vacuum Oven
> Biopsy Device
> High Volume Autoclave



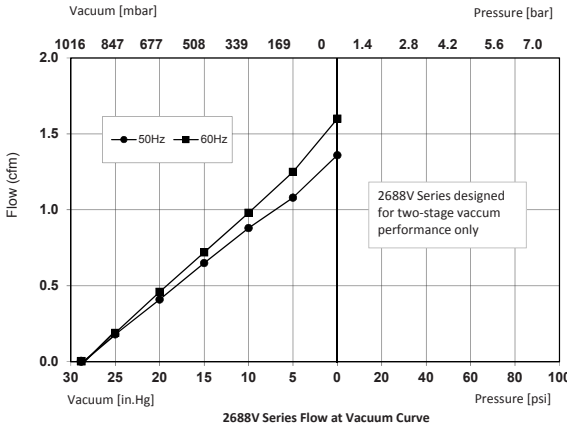
WOB-L®

2688V Series

Flow	**1.60 cfm (45.3 l/min)**
Max. pressure	N/A Vacuum Only
Max. vacuum	**98% local barometer**



Oil-less



2688V Series Flow at Vacuum Curve

NOTE: All test values are nominal and for reference only. They are not guaranteed maximum or minimum limits, nor do they imply mean or median values.

PERFORMANCE DATA

Model Number	2688VE44	2688VGHI44		2688VS44	
Head Configuration	2 Stage Vacuum	2 Stage Vacuum		2 Stage Vacuum	
Stroke	0.44 in. (11.2 mm)	0.44 in. (11.2 mm)		0.44 in. (11.2 mm)	
Nominal voltage input	115/60/1	230/50/1	230/60/1	100/50/1	100/60/1
Max. open air flow	1.60 cfm (45.3 l/min)	1.36 cfm (38.5 l/min)	1.60 cfm (45.3 l/min)	1.36 cfm (38.5 l/min)	1.60 cfm(45.3 l/min)
Max. rated vacuum	98% local barometer	98% local barometer	98% local barometer	98% local barometer	98% local barometer
Current at rated vacuum	3.2A	0.75A	0.8A	3.1A	2.1A
Power at rated vacuum	240W	145W	160W	190W	205W
Speed at rated vacuum	1750 rpm	1475 rpm	1750 rpm	1465 rpm	1756 rpm
Max. pressure	Not applicable	Not applicable		Not applicable	
Max. pressure restart	Not applicable	Not applicable		Not applicable	
Max. vacuum restart	Not applicable	Not applicable		Not applicable	

ELECTRICAL DATA

Motor type (Capacitance)	P.S.C. [7 µF]	P.S.C. [7 µF]		P.S.C. [15 µF]	
Motor locked rotor current	12.2A	3.9A	3.8A	12.2A	11.3A
Motor insulation class	B	B		B	
Thermal switch (Open temperature)	Yes [293°F (145°C)]	Yes [275°F (135°C)]		Yes [293°F (145°C)]	
Lead wire color, gauge	Cord with NEMA 5-15 plug	Brown, blue, green w/yellow 18 AWG w/jacket (no plug)		Brown, blue, green w/yellow 18 AWG w/jacket (no plug)	
Capacitor lead wire color, gauge	Black, black, 18 AWG	Red, red, 18 AWG		Red, red, 18 AWG	

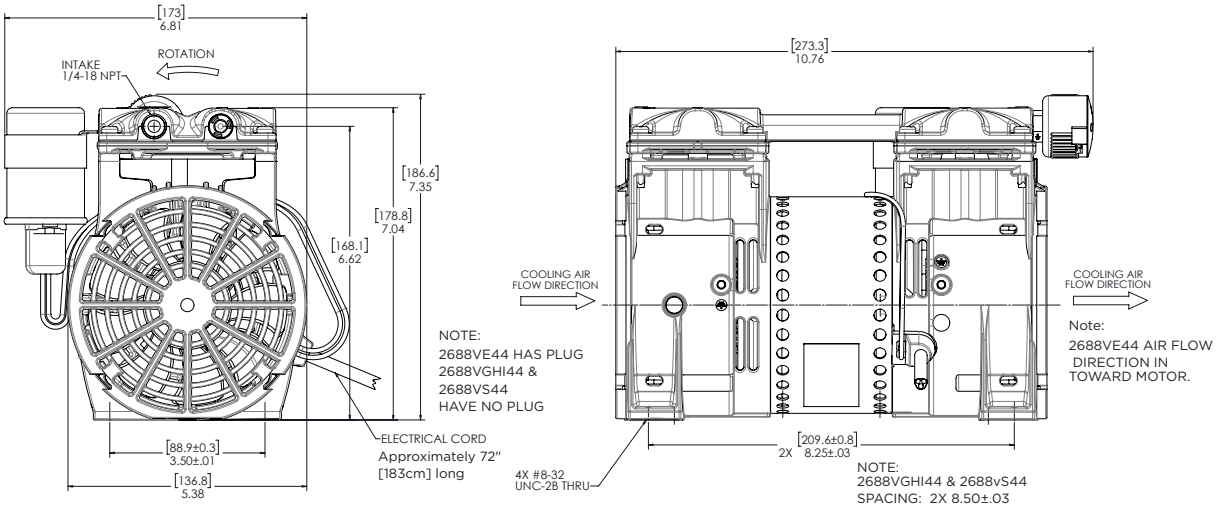
GENERAL DATA

Operating ambient temperature	50° to 104°F (10°C TO 40°C)*	50° to 104°F (10°C TO 40°C)*	50° to 104°F (10°C TO 40°C)*
Safety Certification	cRUus	TUV	Consult Factory
Net weight	16.4 lbs (7.4 kg)	14.6 lbs (6.6 kg)	16.4 lbs (7.4 kg)

*Broader ambient operating ranges may be possible depending on your specific application. Please consult factory regarding your particular system needs.

PRODUCT DIMENSIONS

2688V Series
Dimensions in inches [mm]



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