668 Series

THOMAS
by Gardner Denver

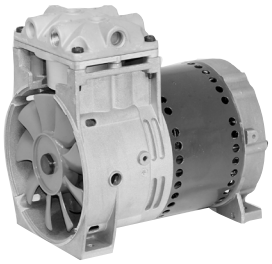
FEATURES

> Custom configured part options
> Oil-less operation
> Permanently lubricated bearings
> Stainless steel valves
> Die-cast aluminum components
> Dynamically balanced
> Proven WOB-L® technology
> Field service capability
> Thermally protected motor
> Designed and tested per Agency standards
> UL or TUV approved
> RoHS compliant

Declaration documentation available upon request

BASE MODELS

668E44XNTLSXX
(115/60/1)
668N44XNTLSXX
(220-240/50/60/1)
668S44XNTLSXX
(100/50/60/1)



TYPICAL APPLICATIONS

> Beverage Dispensing
> Food Preparation & Dispensing
> Business Equipment
> Industrial/Manufacturing Equipment



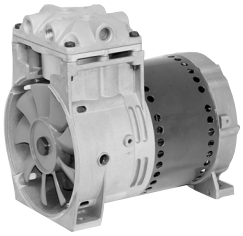
WOB-L®

668 Series

Flow	**1.6 cfm (45.3 l/min)**
Max. pressure	100 psi (6.9 bar)
Max. vacuum	**93% local barometer**

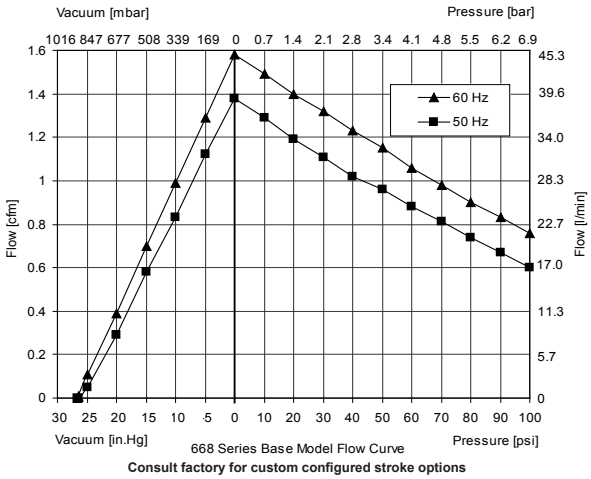
CONFIGURED OPTIONS

> Stroke
> Pump restart
> Head port thread
> Foot tap thread
> Electrical cord
> Fan guard
> Protective cotating



Oil-less

Note: Supplied capacitor mounted remotely



668 Series Base Model Flow Curve

Consult factory for custom configured stroke options

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	T12-0115	T10-0141		T10-0139	
Model Number	668E44XNTLSXX	668N44XNTLSXX		668S44XNTLSXX	
Head Configuration	Pressure/vacuum parallel flow	Pressure/vacuum parallel flow		Pressure/vacuum parallel flow	
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	1.6 cfm (45.3 l/min)	1.4 cfm (39.6 l/min)	1.6 cfm (45.3 l/min)	1.4 cfm (39.6 l/min)	1.6 cfm (45.3 l/min)
Max. rated pressure	100 psi (6.9 bar)	100 psi (6.9 bar)	100 psi (6.9 bar)	100 psi (6.9 bar)	100 psi (6.9 bar)
Current at rated pressure	3.3A	1.6A	1.2A	4.7A	2.9A
Power at rated pressure	309W	326W	268W	335W	272W
Speed at rated pressure	1729 rpm	1355 rpm	1690 rpm	1398 rpm	1712 rpm
Max. pressure restart	Consult factory	Consult factory		Consult factory	
Max. vacuum	93% local barometer	93% local barometer		93% local barometer	
Max. vacuum restart	Consult factory	Consult factory		Consult factory	

ELECTRICAL DATA					
Motor type (Capacitance)	P.S.C. [15 µF]	P.S.C. [8 µF]		P.S.C. [15 µF]	
Motor locked rotor current	12.0A	4.4A	4.0A	12.0A	11.0A
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	Brown(hot), blue(neutral), 18 AWG	Brown(hot), blue(neutral), 18 AWG		Brown(hot), blue(neutral), 18 AWG	
Capacitor lead wire color, gauge	Red,red, 18 AWG	Red, red, 18 AWG		Red, red, 18 AWG	

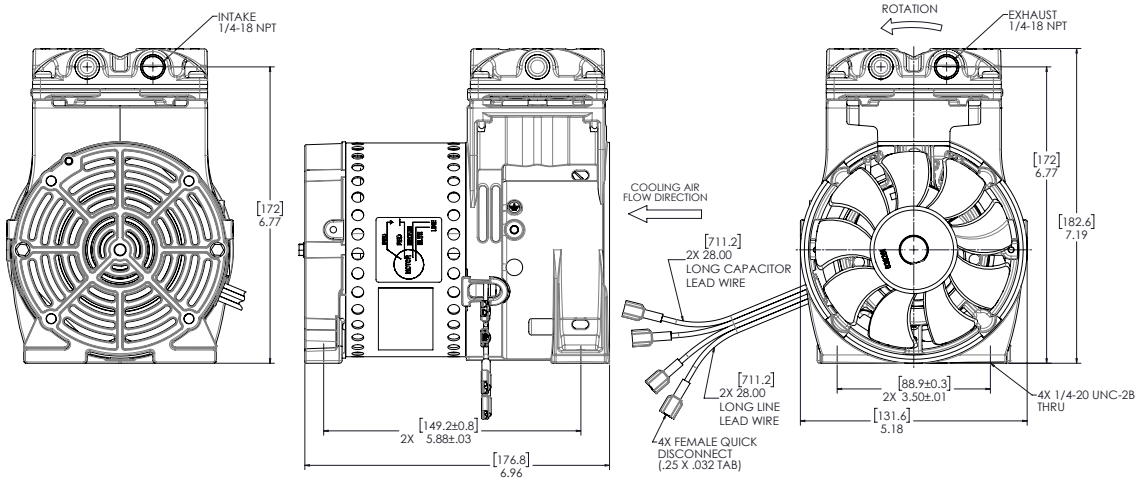
GENERAL DATA			
Operating ambient temperature	50° to 104°F (10°C TO 40°C)*	50° to 104°F (10°C TO 40°C)*	50° to 104°F (10°C TO 40°C)*
Safety Certification	cRUus	TUV	None
Net weight	13.3 lbs (6.0 kg)	13.3 lbs (6.0 kg)	13.3 lbs (6.0 kg)
Service Kit	SK668	SK668	SK668

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

PRODUCT DIMENSIONS

668 SERIES

Dimensions in inches [mm]



PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE

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