660 Series

THOMAS
by Gardner Denver

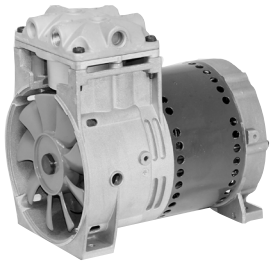
FEATURES

> 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

660E48XNTLSXX
(115/60/1)
660N48XNTLSXX
(220-240/50/60/1)
660S48XNTLSXX
(100/50/60/1)



TYPICAL APPLICATIONS

> Food & Beverage Dispensing
> Pond Aeration
> Medical Equipment
> Business Equipment
> Industrial Equipment



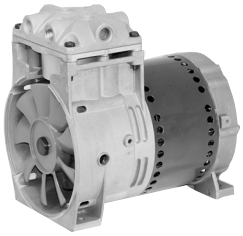
WOB-L®

660 Series

Flow	**2.4 cfm (68.0 l/min)**
Max. pressure	up to 50 psi (3.4 bar)
Max. vacuum	**92% local barometer**

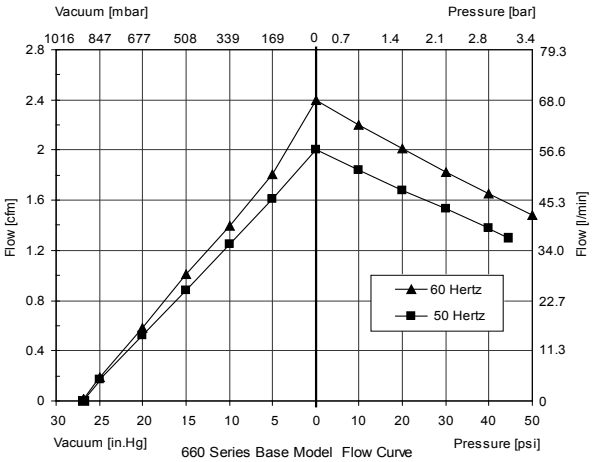
CONFIGURED OPTIONS

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



Oil-less

Note: Supplied capacitor mounted remotely



660 Series Base Model Flow Curve

See Performance Data for base model maximum operaring prressures
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	T10-0148	T10-0150		T10-0149	
Model Number	660E48XNTLSXX	660N48XNTLSXX		660S48XNTLSXX	
Head Configuration	Pressure/vacuum parallel flow	Pressure/vacuum parallel flow		Pressure/vacuum parallel flow	
Stroke	0.48 in. (12.2 mm)	0.48 in. (12.2 mm)		0.48 in. (12.2 mm)	
Nominal voltage input	115/60/1	230/50/1	230/60/1	100/50/1	100/60/1
Max. open air flow	2.4 cfm (68.0 l/min)	2.0 cfm (56.6 l/min)	2.4 cfm (68.0 l/min)	2.0 cfm (56.6 l/min)	2.4 cfm (68.0 l/min)
Max. rated pressure	45 psi (3.1 bar)	45 psi (3.1 bar)	50 psi (3.4 bar)	30 psi (2.1 bar)	50 psi (3.4 bar)
Current at rated pressure	4.0A	1.7A	1.7A	4.8A	3.9A
Power at rated pressure	385W	380W	372W	348W	365W
Speed at rated pressure	1746 rpm	1312 rpm	1657 rpm	1441 rpm	1704 rpm
Max. pressure restart	Consult factory	Consult factory		Consult factory	
Max. vacuum	92% local barometer	92% local barometer		92% local barometer	
Max. vacuum restart	Consult factory	Consult factory		Consult factory	

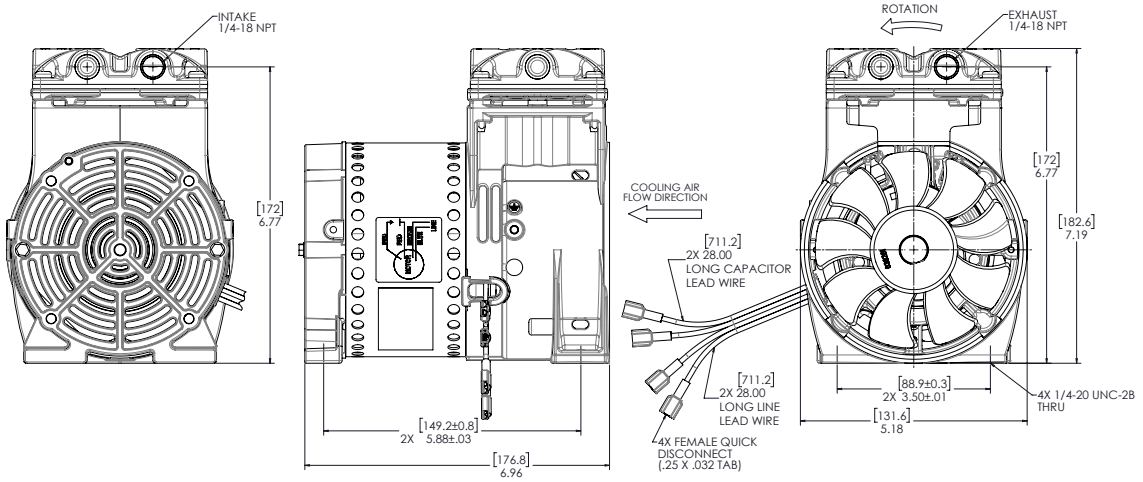
ELECTRICAL DATA					
Motor type (Capacitance)	P.S.C. [20 µF]	P.S.C. [10 µF]		P.S.C. [20 µF]	
Motor locked rotor current	18.5A	4.3A	3.9A	15.5A	15.0A
Motor insulation class	B	B		B	
Thermal switch (Open temperature)	Yes [293°F (145°C)]	Yes [275°F (135°C)]		Yes [293°F (145°C)]	
Lead wire color, gauge	Brown(hot), blue(neutral), 18 AWG	Brown(hot), blue(neutral), 18 AWG		Brown(hot), blue(neutral), 18 AWG	
Capacitor lead wire color, gauge	Black, black 18 AWG	Red, red, 18 AWG		Black, black, 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	14.4 lbs (6.5 kg)	13.5 lbs (6.1 kg)	14.4 lbs (6.5 kg)
Service Kit	SK660	SK660	SK660

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

PRODUCT DIMENSIONS

660 SERIES
Dimensions in inches [mm]



PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE

gd-thomas.com

THOMAS
by Gardner Denver

Gardner Denver Thomas GmbH
Livry-Gargan-Str. 10
82256 Fürstenfeldbruck
Germany
T +49 8141 2280 0
F +49 8141 8892136
thomas.de@gardnerdenver.com

Gardner Denver Thomas Pneumatic Systems (Wuxi) Co. Ltd.
1 New Dong'an Road, Shuofang Town
Xinwu District, Wuxi
Jiangsu, 214142 China
T +86 510 6878 2258
F +86 510 6878 2200
thomas.cn@gardnerdenver.com

Gardner Denver Thomas, Inc.
1419 Illinois Avenue
Sheboygan, WI 53081
USA
T +1 920 4574891
F +1 920 4514276
td.usa@gardnerdenver.com

The information presented in this material is based on technical data and test results of nominal units. It is believed to be accurate and reliable and is offered as an aid to help in the selection of Thomas products. It is the responsibility of the user to determine the suitability of the product for the intended use and the user assumes all risk and liability in connection there with. Thomas does not warrant, guarantee or assume any obligation or liability in connection with this information.

Models presented in this catalog are representative of the product family. Photos of products pictured in this catalog do not necessarily represent a specific model number. To obtain further information for custom options, contact your local Thomas office.

Printed in U.S.A Form No. 850-4008 05/2019

© Gardner Denver Thomas, Inc. All rights reserved.