

8221 Series

THOMAS
by Gardner Denver

FEATURES

- > Oil-less
- > Maintenance free
- > Low sound level
- > Low vibration
- > High performance

TYPICAL APPLICATIONS

- > Autoclaves
- > Analysers
- > Aspirators

BASE MODEL

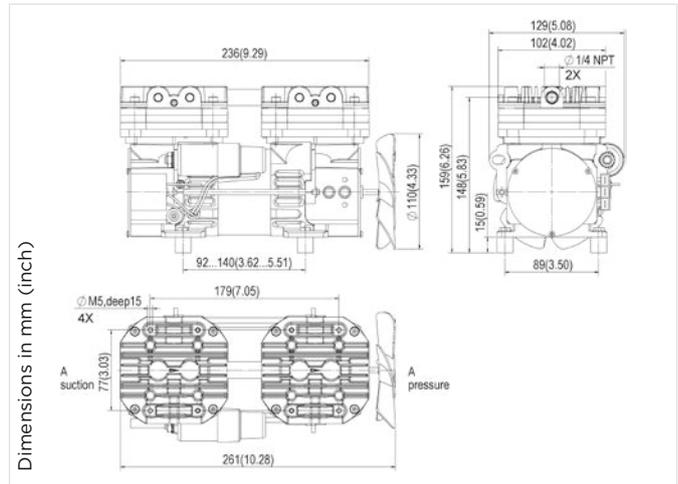
8221ZVR AC



Diaphragm

Diaphragm Pump 8221ZVR AC

Flow	39.0 l/min
Max. vacuum	96 %



PNEUMATIC DATA

Description	8221ZVR/4.0/FFF/AC	8221ZVR/4.0/FFF/AC
Part number	230 V/50 Hz 115 V/60 Hz	82211002 82211102
Max. flow	35.0 l/min	39.0 l/min
Max. intermittent vacuum	96%	96%
Max. continuous vacuum	96%	96%
Max. restart vacuum	Ambient	Ambient

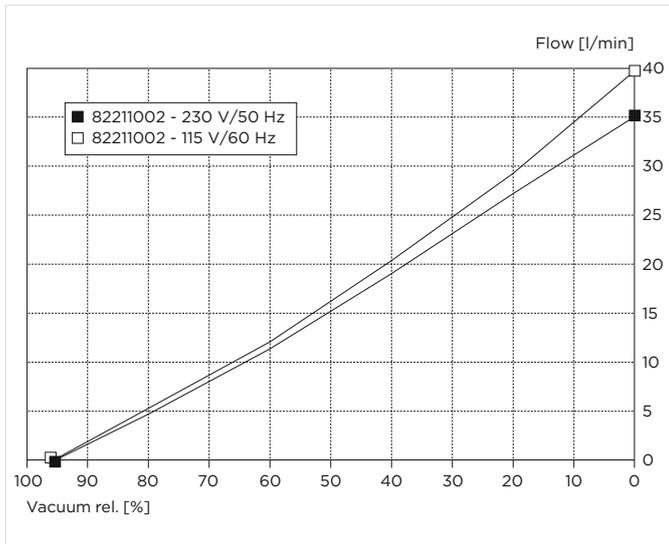
ELECTRICAL DATA

Motor type	Capacitor	Capacitor
Nominal voltage	230 V/50 Hz	115 V/60 Hz
Nominal speed	1350 rpm	1630 rpm
Current consumption	0.6 A	1.5 A
Starting current	1.0 A	2.4 A
Power consumption	138 W	173 W
Protection class	IPO0	IPO0
Motor insulation class	F	F
Thermal switch	150 °C	150 °C

GENERAL DATA

Ambient temperature	15 to 40 °C	15 to 40 °C
Media temperature	10 to 60 °C	10 to 60 °C
Weight	5.2 kg	5.2 kg
Port direction	AA	AA
Configuration	Series	Series
Pneumatic connection	NPT 1/4"	NPT 1/4"

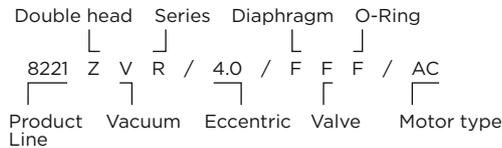
FLOW CURVES



WETTED PARTS

Pump chamber	Aluminum
Pump head	Aluminum
Diaphragm	FKM
Valve	FKM
O-Ring	FKM

Model key:



PUMP AND COMPRESSOR SOLUTIONS FOR OEMS WORLDWIDE

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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 therewith. 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.

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