

Diaphragm Pumps

MODELS

8011V 8011ZVP 8011ZVR



PRODUCT FEATURES

- Oil-less
- Maintenance free
- Aluminium seawater resistant
- Silent (50 54 dBA)
- Low vibrations
- High performance

TYPICAL APPLICATIONS

- Autoclaves
- Analysers
- Vacuum ovens
- Rotation Evaporator
- Degassing
- Aspirators



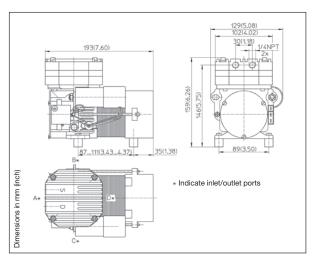


Diaphragm Pump 8011V AC

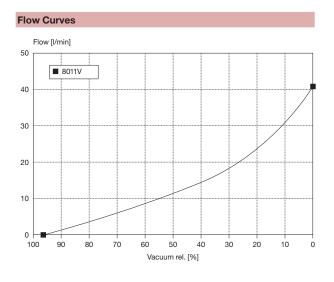
Flow	40,8 l/min
Max. vacuum	95%







	8011V-35 AEE	8011V-35 AEE
115 V/60 Hz	80110501	
230 V/50 Hz		80110500
	40,8 l/min	34,0 l/min
	95 %	95 %
um	95 %	95 %
	Ambient pressure	Ambient pressure
	Capacitor	Capacitor
	115 V/60 Hz	230 V/50 Hz
	1600 rpm	1500 rpm
	1 A	0,4 to 0,5 A
	2,3 A	1,0 to 1,15 A
	115 W	85 to 115 W
	IP00	IP00
	F	F
	140 °C	140 °C
	15 to 40 °C	15 to 40 °C
	10 to 60 °C	10 to 60 °C
	3,5 kg	3,5 kg
	BC	BC
	230 V/50 Hz	115 V/60 Hz 230 V/50 Hz 40,8 I/min 95 % um 95 % Ambient pressure Capacitor 115 V/60 Hz 1600 rpm 1 A 2,3 A 115 W IP00 F 140 °C 15 to 40 °C 10 to 60 °C 3,5 kg



Choice of materials	Standard	Option	
Chamber + Head	<u>A</u> luminium	Aluminium hard coat	ed
Diaphragm Valves O-Ring	EPDM EPDM EPDM	- FKM vapour resistan -	t
Model key:		8011	Stock programme
Diaphragm, Valv Chamber O-Rin 8011V - 35 AEE Eccentric Type Vacuum			
The information presented in this mat test results of nominal units. It is believ offered as an aid to help in the selection sibility of the user to determine the suit use and the user assumes all risk an therewith. Thomas does not warrant, gu liability in connection with this informa	red to be accurate and reliable of Thomas products. It is the rability of the product for the ind d liability whatsoever in con uarantee or assume any obliga	e and is respon- rtended nection	

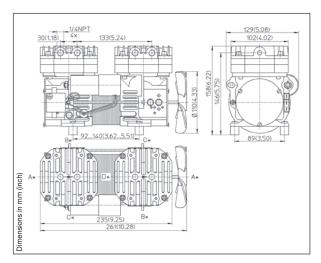


Diaphragm Pump 8011ZVP AC

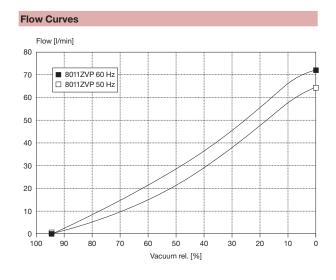
Flow	72,0 l/min
Max. vacuum	93%







Pneumatic Data			
Description		8011ZVP-35 AEE	8011ZVP-35 AEE
Part number	115 V/60 Hz	80110121	
	230 V/50 Hz		80110110
Max. flow		72,0 l/min	65,0 l/min
Max. vacuum		93%	93%
Max. continuous v	/acuum	93%	93%
Max. restart vacuu	um	Ambient pressure	Ambient pressure
Electrical Data			
Motor type		Capacitor	Capacitor
Nominal voltage		115 V/60 Hz	230 V/50 Hz
Nominal speed		1500 rpm	1270 rpm
Current consumpt	tion	1,5 A	0,6 A
Starting current		3,3 A	1,4 A
Power consumption	on	90 W	95 W
Protection class		IP00	IP00
Motor insulation c	lass	F	F
Thermal switch		140 °C	140 °C
General Data			
Ambient temperat	ure	15 to 40 °C	15 to 40 °C
Media temperatur	е	10 to 60 °C	10 to 60 °C
Weight		5,0 kg	5,0 kg
Port direction		BC	BC
Configuration		Parallel	Parallel



Choice of materials	Standard	Option
Chamber + Head	<u>A</u> luminium	Aluminium hard coated
Diaphragm	<u>E</u> PDM	-
Valves	<u>E</u> PDM	FKM vapour resistant
O-Ring	<u>E</u> PDM	-
Model key:		8011 Stock programme
Diaphragm, \	/alves	
Chamber O	-Ring	
8011ZVP - 35 AEE	ric	
Type Parallel Vacuum		
Double head		
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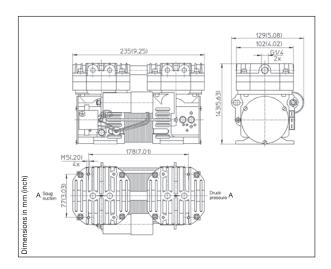


Diaphragm Pump 8011ZVR AC

Flow	34,0 l/min
Max. vacuum	99%



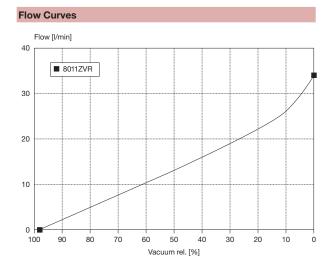




Pneumatic Data		
Description		8011ZVR-35 AEE
Part number	230 V/50 Hz	80110106
Max. flow		34,0 l/min
Max. vacuum		99%
Max. continuous v	acuum	99%
Max. restart vacuu	m	Ambient pressure

Electrical Data		
Motor type	Capacitor	
Nominal voltage	230 V/50 Hz	
Nominal speed	1300 rpm	
Current consumption	0,6 A	
Starting current	1,4 A	
Power consumption	95 W	
Protection class	IP00	
Motor insulation class	F	
Thermal switch	140 °C	

General Data	
Ambient temperature	15 to 40 °C
Media temperature	10 to 60 °C
Weight	5,0 kg
Port direction	AA
Configuration	Series

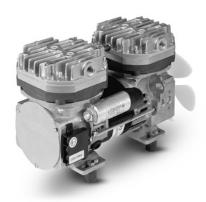


Choice of materials	Standard	Option
Chamber + Head	<u>A</u> luminium	Aluminium hard coated
Diaphragm Valves O-Ring	EPDM EPDM EPDM	- FKM vapour resistant -
Model key:		8011 Stock programme
Diaphragm, Chamber O Chamber O 8011ZVR - 35 AEE Eccent Type Series Vacuum Double head	-Ring ric	
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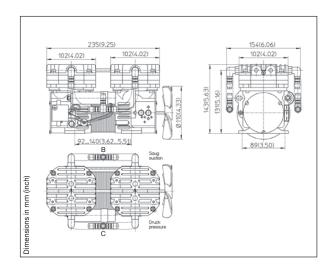


Diaphragm Pump 8011ZVR/P AC

Flow	56,0 I/min
Max. vacuum	98%





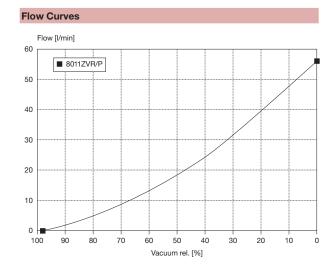


Pneumatic Data		
Description		8011ZVR/P-35 AEE*
Part number	230 V/50 Hz	80110131
Max. flow		56,0 l/min
Max. vacuum		98%
Max. continuous vacuum		98%
Max. restart vacuum		Ambient pressure

Electrical Data		
Motor type	Capacitor	
Nominal voltage	230 V/50 Hz	
Nominal speed	1270 rpm	
Current consumption	0,6 A	
Starting current	1,4 A	
Power consumption	95 W	
Protection class	IP00	
Motor insulation class	F	
Thermal switch	140 °C	

General Data		
Ambient temperature	15 to 40 °C	
Media temperature	10 to 60 °C	
Weight	5,0 kg	
Port direction	BC	
Configuration	Parallel/Series	

 $^{^{\}star}$ The changeover from parallel to series operation is controlled automatically via the vacuum within and an integral auxilliary valve.



Choice of materials	Standard	Option
Chamber + Head	<u>A</u> luminium	Aluminium hard coated
Diaphragm	<u>E</u> PDM	-
Valves	<u>E</u> PDM	FKM vapour resistant
O-Ring	<u>E</u> PDM	-
Model key:		8011 Stock programme
Diaphragm	, Valves	Ctook programme
Chamber	O-Ring	
8011ZVR/P - 35 AEE	_	
Eccer	atrio	
	IIIIC	
001103		
Vacuum Double head		
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