



European *Technical Center*
for Engineering & Distribution GmbH



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Alita Linear Pumps



The linear air pumps are manufactured in Asia to conform to the European Community's Machinery Directive (CE) and UL certified in compliance to US and Canadian safety standards for household, commercial, and industrial air compressors and vacuum pumps.



ALITA linear air pumps are certified by Japan Electrical Safety & Environment Technology Laboratories (JET) to conform with the Electrical Appliance and Material Safety Law (DENAN).

RoHS Compliance



Alita Linear Air Pumps manufactured from 2006 onward are in compliant with the European Union directive 2002/95/EC on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS). The RoHS directive requires manufacturers to significantly reduce the use of lead (Pb), mercury (Hg), cadmium (Cd), hexavalent chromium (Cr6+), polybrominated biphenyls (PBB), and polybrominated diphenyl ethers (PBDE) content in electronics and electrical products sold in the EU beginning in July 2006.

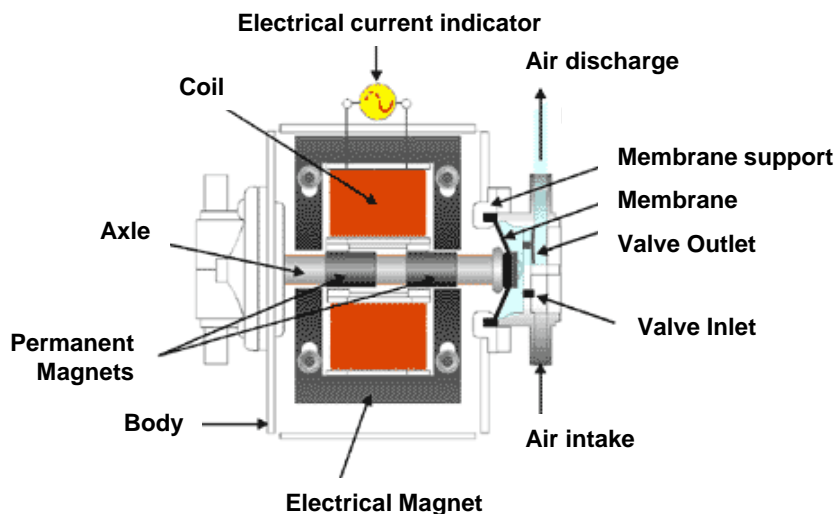
Designed to deliver high volume of steady airflow at low-pressure ranges, Linear Air Pumps are of high efficiency, low energy consumption and perform with low operation noise. With no sliding parts and oil-less components, air pumps require no lubrication and transfer air without any contamination.

In addition to a wide range of standard pump models that can be utilized, we also offer OEM and customized linear air pumps to industry for original equipment application. OEM business demands reliability, performance, efficiency and customer satisfaction. Let our supplier of linear air pumps be a part of your product solution.

Product features:

- **Continuous airflow**
- **Oil free, no contamination or pollution**
- **Reliable intermittent or continuous duty operation**
- **Long service life up to 30.000 hours**
- **Oil free operation**
- **Quiet and low vibration**
- **Low energy consumption**
- **Compact design and solid construction**
- **Indoor or outdoor operation**
- **Thermal protection**
- **Easy maintenance**
- **UL & CE conformity some even for out door**

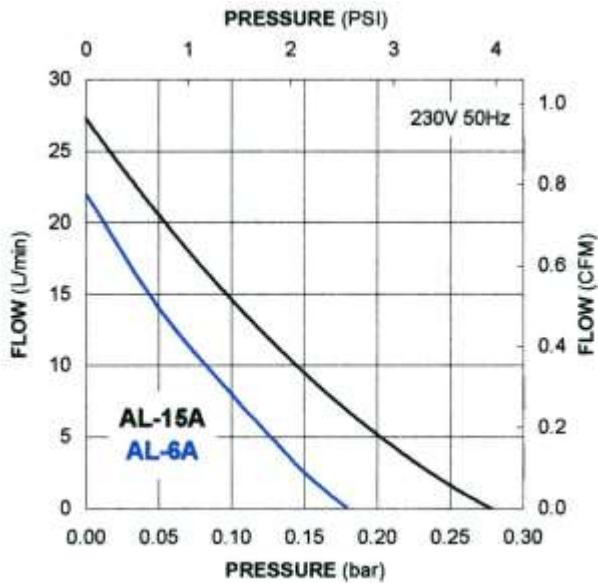
The Technology Inside



Models overview

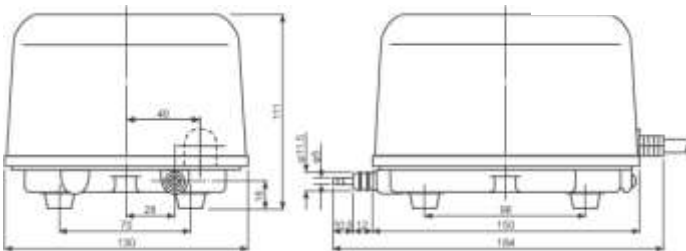
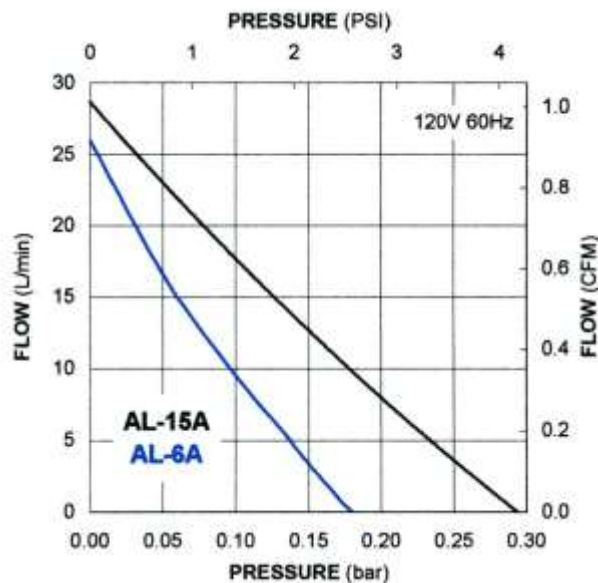
AL6SA
AL 15SA
AL 20/5SA

**Pressure &
 Vacuum**



AL6A
AL 15A
AL 20/5A

**Pressure
 only**

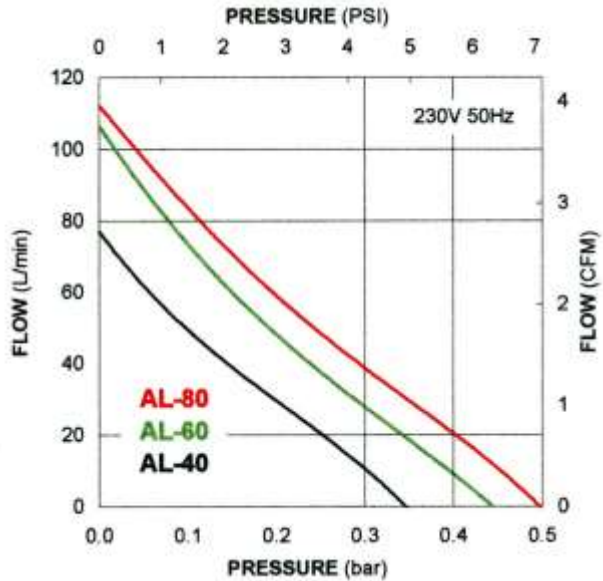


Model	AL 6A / 6 SA				AL 15A / 15 SA		AL 20A / 20 SA	
Voltage	120 V	230 V	24 V	24 V	120 V	230 V	120 V	230 V
Frequency	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz
Pressure	0,1 bar (1.4 psig)				0,1 bar (1.4 psig)		0,1 bar (1.4 psig)	
Performance	10 l/min	8 l/min	10 l/min	8 l/min	17.5 l/min	15 l/min	20 l/min	17 l/min
Current Draw	0.1 A	0.1 A	0.7 A	0.8 A	0.2 A		0.2 A	
Power	7 W				14 W		15 W	16 W
Sound level	27 dB(A)				29 dB(A)		29 dB(A)	
Weight	2.4 kg (5.3 lb)				2.4 kg (5.3 lb)		2.5 kg (5.5 lb)	
Dimension	150 mm x 130 mm x 111 mm (5.9 in x 5.1 in x 4.3 in)							

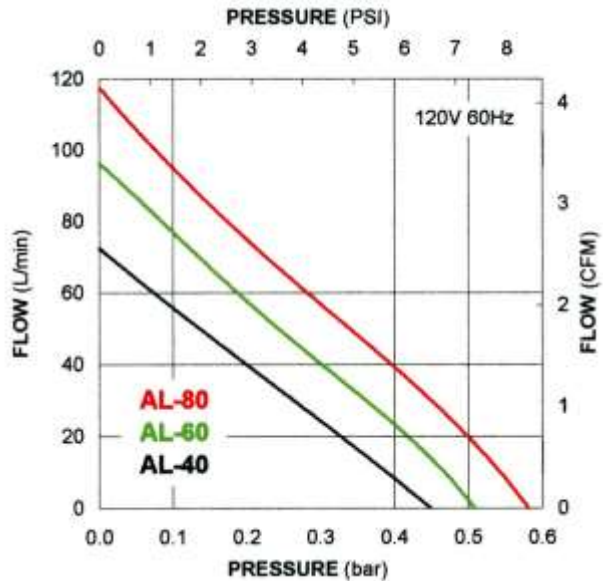
Models overview



AL 40
AL 60
AL 80
Pressure



AL 40
AL 60
AL 80
Pressure



Model	AL 40		AL 60		AL 80	
Voltage	120 V	230 V	120 V	230 V	120 V	230 V
Frequency	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz
Pressure	0,15 bar (2.18 psig)					
Performance	48 l/min	40 l/min	68 l/min	60 l/min	85 l/min	70 l/min
Current Draw	0.8 A	0.5 A	1.0 A	0.6 A	1.7 A	0.8 A
Power	46 W	40W	60 W	54 W	85 W	80 W
Sound level	36 dB(A)		38 dB(A)		39 dB(A)	
Weight	5.6 kg (12.5 lb)		6.5 kg (14.4 lb)		6.5 kg (14.4 lb)	
Dimension	205 mm x 173 mm x 202 mm (8.1 in x 6.8 in x 9.9 in)					

Models overview

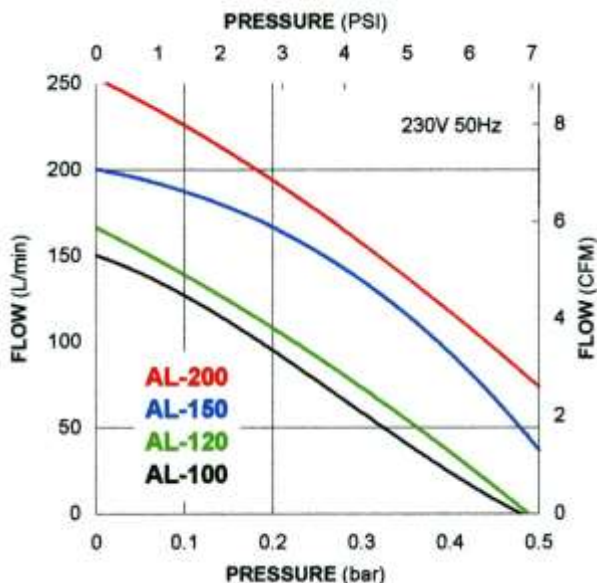
AL 100

AL 120

AL 150

AL 200

Pressure



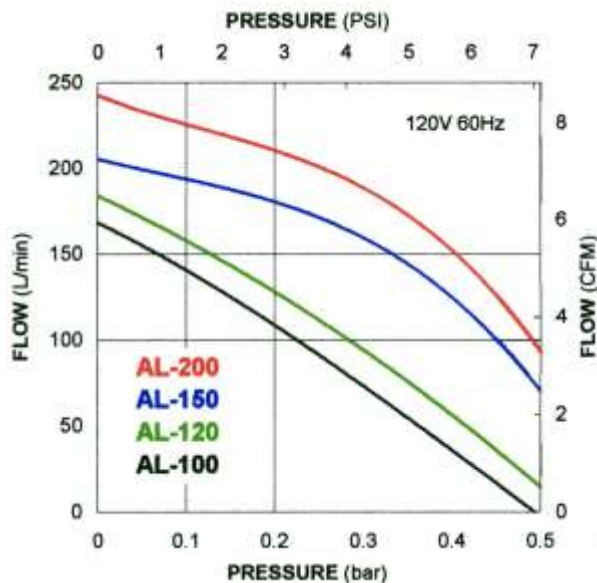
AL 100

AL 120

AL 150

AL 200

Pressure

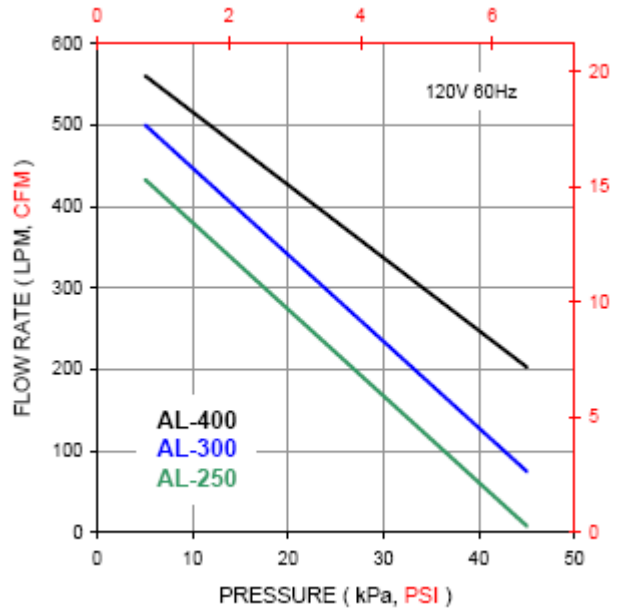


Model	AL 100		AL 120		AL 150		AL 200	
Voltage	120 V	230 V	120 V	230 V	120 V	230 V	120 V	230 V
Frequency	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz
Pressure	0,2 bar (2.9 psig)							
Performance	110 l/min	95 l/min	125 l/min	110 l/min	180 l/min	170 l/min	210 l/min	190 l/min
Current Draw	2.1 A	1.0 A	2.2 A	1.1 A	2.3 A	1.2 A	3.2 A	1.3 A
Power	126 W	115 W	132 W	126 W	138 W	138 W	250 W	200 W
Sound level	41 dB(A)		42 dB(A)		44 dB(A)		45 dB(A)	
Weight	8.3 kg (18.2 lb)		8.3 kg (18.2 lb)		10.1 kg (22.3 lb)		10.1 kg (22.3 lb)	
Dimension	248 mm x 205 mm x 245 mm (9.8 in x 8.1 in x 9.6 in)							

Models overview



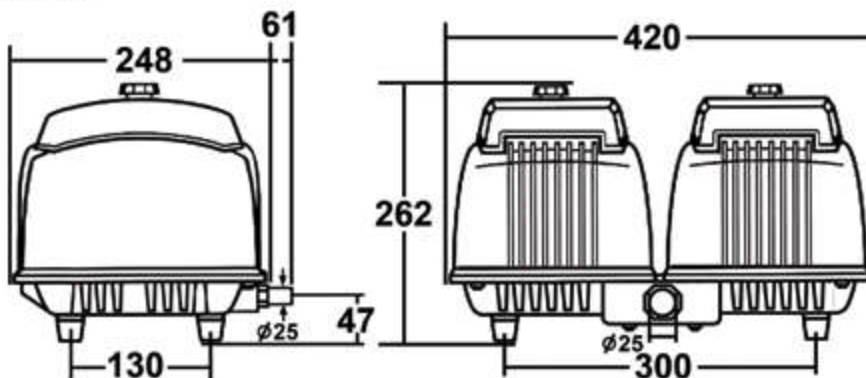
AL 400
AL 300
AL 250
Druck



Model	AL-250	AL-300	AL-400
Voltage & Frequency	AC 120V 60Hz or AC 230 50Hz		
Rated Pressure	20 kPa, 2.9 psi		
Rated Performance (lpm, cfm)	275, 9.7	350, 12.4	435, 15.4
Rated Power (W)	285	336	504
Sound Level (dB)	46	47	49
Discharge Fittings	3/4" FPT, 26 mm / 1 in OD		
Dimension LxWxH	420 mm x 248 mm x 262 mm 16.5 in x 9.8 in x 10.3 in		
Weight (kg, lb)	18.8, 41.5	22.1, 48.8	22.2, 48.9

Information presented is base on test results from nominal units
 Specifications are subject to change without notice.

Dimension



Unit (mm)

Model overview DC Pumps



AL-20[F][V][A]

- Oil-less
- Long life
- Low noise & low vibration
- Low power consumption
- Aluminum alloy housing

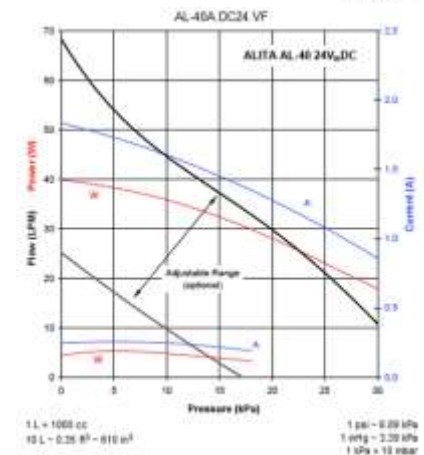
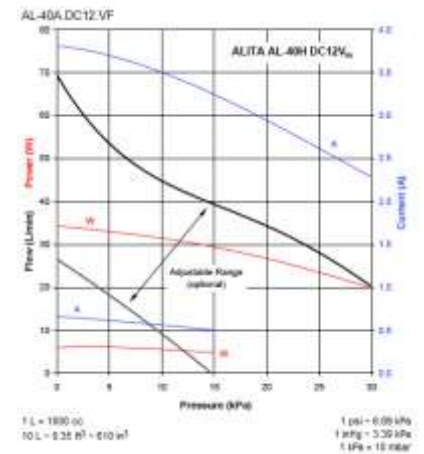
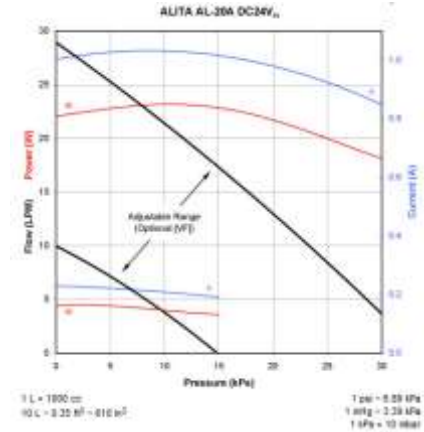
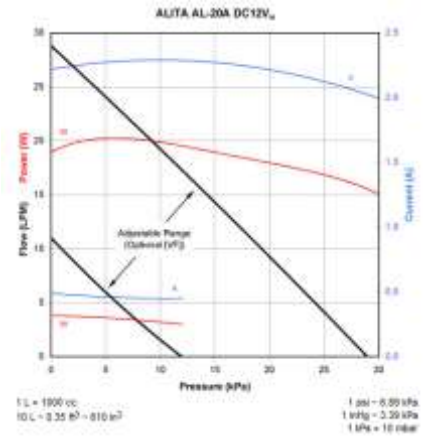
Model		AL-20.DC12	AL-20.DC24
Input Voltage		12V _{dc}	24V _{dc}
Rated Performance @ 10 kPa, 1.4 psi	Air Flow	20 lpm, 0.71 cfm	22 lpm, 0.78 cfm
	Power	20 W	23 W
	Current	2.3 A	1.04 A
Maximum Power		20 W	23 W
Maximum Current		2.3 A	1.04 A

Specifications are subject to change without notice



AL-40[F][C][V][A]

- Oil-less
- Long life
- Low noise & low vibration
- Low power consumption
- Aluminum alloy housing



Specification

Model		AL-40.DC12	AL-40.DC24	AL-40.DC48
Input Voltage		12V _{dc}	24V _{dc}	48V _{dc}
Rated Performance @ 15 kPa, 2.18 psi	Air Flow	40 lpm, 1.4 cfm	36 lpm, 1.3 cfm	40 lpm, 1.4 cfm
	Power	29 W	32 W	-
	Current	3.20 A	1.46 A	-
Maximum Power		34 W	40 W	-
Maximum Current		3.8 A	1.81 A	-

Specifications are subject to change without notice

Pump Options

AL-40[F][C][V][A]

Model + Function & Form [F]		Capacity [C]		Input Voltage [V]		Flow Adjustment [A]		
Pressure	+ Vacuum	Description	Variant	Description	Variant	Description	Variant	Description
AL-40	AL-40SA	Standard, IP54		Standard	.DC12	12V _{dc}		None
AL-40P	AL-40PSA	Standard, IP54	E	Customized	.DC24	24V _{dc}	.VF	Manual
AL-40B	AL-40SB	Component Type	R	Alarm	.DC48	48V _{dc}	.VF5	0-5V _{in} / Manual

Model overview DC Pumps

AL-60[F][C][V][A]

- Oil-less
- Long life
- Low noise & low vibration
- Low power consumption
- Aluminum alloy housing

Specification

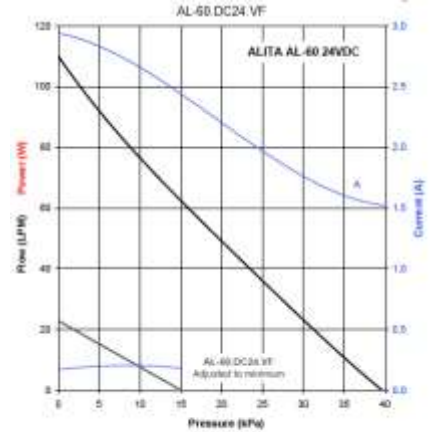
Model		AL-60.DC12	AL-60.DC24	AL-60.DC48
Input Voltage		12V _{dc}	24V _{dc}	48V _{dc}
Rated Performance @ 15 kPa, 2.18 psi	Air Flow	50 lpm, 2.1 cfm	63 lpm, 2.2 cfm	50 lpm, 2.1 cfm
	Current	-	2.4 A	-
Maximum Current		-	2.95 A	-
Performance		-	Curve	-

Specifications are subject to change without notice

Pump Options

AL-60[F][C][V][A]

Model + Function & Form [F]			Customization [C]		Input Voltage [V]		Flow Adjustment [A]	
Pressure	+ Vacuum	Description	Variant	Description	Variant	Description	Variant	Description
AL-60	AL-60SA	Standard, IP54		Standard	.DC12	12V _{dc}		None
AL-60P	AL-60PSA	Standard, IP54	E	Customized	.DC24	24V _{dc}	.VF	Manual
AL-60B	AL-60SB	Component Type	R	Alarm	.DC48	48V _{dc}	.VF5	0-5V _{in} / Manual



1 L = 1000 cc
20 L = 0.706 m³ = 1220 in³
1 m³ = 28.3 L

1 psi = 0.029 kPa
1 inHg = 3.39 kPa
10 kPa = 100 mbar = 1.45 psi = 2.95 inHg



AL-80[F][C][V][A]

- Oil-less
- Long life
- Low noise & low vibration
- Low power consumption
- Aluminum alloy housing

Specification

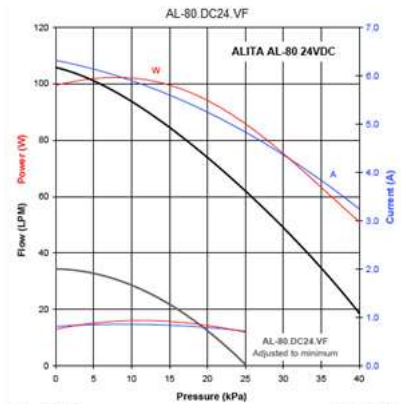
Model		AL-80.DC24	AL-80.DC48
Input Voltage		24V _{dc}	48V _{dc}
Rated Performance @ 15 kPa, 2.18 psi	Air Flow	85 lpm, 3.0 cfm	90 lpm, 3.2 cfm
	Power	99 W	90 W
	Current	5.66 A	2.22 A
Maximum Power		103 W	115 W
Maximum Current		6.2 A	2.7 A
Performance		Curve	Curve

Specifications are subject to change without notice

Pump Options

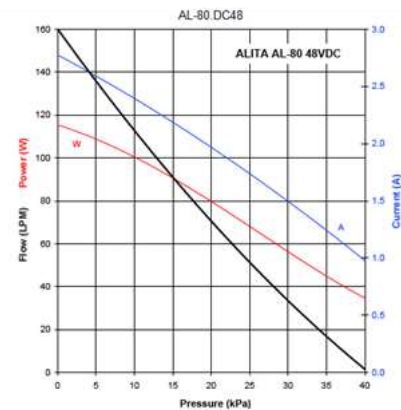
AL-80[F][C][V][A]

Model + Function & Form [F]			Customization [C]		Input Voltage [V]		Flow Adjustment [A]	
Pressure	+ Vacuum	Description	Variant	Description	Variant	Description	Variant	Description
AL-80	AL-80SA	Standard, IP54		Standard	.DC24	24V _{dc}		None
AL-80P	AL-80PSA	Standard, IP54	.DF	Failure Detection	.DC48	48V _{dc}	.VF	Manual
AL-80B	AL-80SB	Component Type	R	Alarm			.VF5	0-5V _{in} / Manual



1 L = 1000 cc
20 L = 0.706 m³ = 1220 in³
1 m³ = 28.3 L

1 psi = 6.89 kPa
1 inHg = 3.39 kPa
10 kPa = 100 mbar = 1.45 psi = 2.95 inHg



1 L = 1000 cc
20 L = 0.706 m³ = 1220 in³
1 m³ = 28.3 L

1 psi = 6.89 kPa
1 inHg = 3.39 kPa
10 kPa = 100 mbar = 1.45 psi = 2.95 inHg

Model overview DC Pumps



AL-120[F][V][A]

- Oil-less
- Long life
- Low noise & low vibration
- Low power consumption
- Aluminum alloy housing

Specification

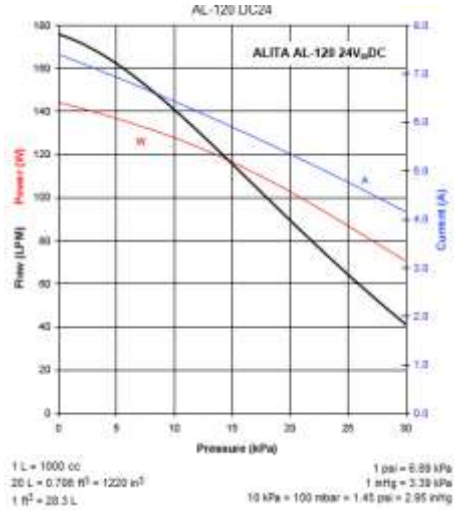
Model		AL-120.DC24	AL-120.DC48
Input Voltage		24V _{dc}	48V _{dc}
Rated Performance @ 15 kPa, 2.18 psi	Air Flow	115 lpm, 4.0 cfm	120 lpm, 4.2 cfm
	Power	116 W	-
	Current	5.95 A	-
Maximum Power		144 W	-
Maximum Current		7.2 A	-
Performance		Curve	-

Specifications are subject to change without notice.

Pump Options

AL-120[F][V][A]

Model	Function & Form [F]			Input Voltage [V]		Flow Adjustment [A]	
	Pressure	+ Vacuum	Description	Variant	Description	Variant	Description
AL-120	A	SA	Standard, IP54	.DC24	24V _{dc}		None
	P	SP	Standard, IP54	.DC48	48V _{dc}	.VF	Manual
	B	SB	Component Type			.VF5	0-5V



AL-200A[V][A]

- Oil-less
- Long life
- Low noise & low vibration
- Low power consumption
- Aluminum alloy housing

Specification

Model		AL-200A.DC24	AL-200A.DC48
Input Voltage		24V _{dc}	48V _{dc}
Rated Performance @ 15 kPa, 2.18 psi	Air Flow	200 lpm, 7 cfm	215 lpm, 7.6 cfm
	Power	-	217 W
	Current	8.7 A	5.0 A
Maximum Power		-	257 W
Maximum Current		10.1 A	5.9 A
Performance		Curve	Curve

Specifications are subject to change without notice.

Pump Options

AL-200A[V][A]

Model	Function & Form [F]		Input Voltage [V]		Flow Adjustment [A]	
	Pressure	Description	Variant	Description	Variant	Description
AL-200	A	Standard, IP54	.DC24	24V _{dc}		None
			.DC48	48V _{dc}	.VF	Manual
					.VF5	0-5V

