

DC MOTOR DRIVEN

Diaphragm Pump / Piston Pump

Compressor and Vacuum Pump



DP0125 / DP0140

DP0110-X1 / -Y1 / -X3

Brushless Motor



DP0102 / DP0102S

DP0102H-X1 / -X2

Brushless Motor

Brushless Motor



DP0105



DPA0105

Brushless Motor

Specifications

★ Compressor ☆ Vacuum Pump

Model	DP0125 ★☆	DP0140 ★☆
Attainable Vacuum	-33.3 kPa(-250 mmHg) -333 mbar -9.84 in.Hg	-53.3 kPa(-400 mmHg) -533 mbar -15.7 in.Hg
Free Air Displacement	2.5 L/min 0.088 cfm	4.0 L/min 0.141 cfm
Maximum Pressure	30 kPa(0.3 kgf/cm ²) 0.3 bar 4.35 psig	50 kPa(0.5 kgf/cm ²) 0.5 bar 7.25 psig
Rated Voltage	12 V DC	12 V DC
Weight	0.08 kg 0.18 Lbs	0.19 kg 0.42 Lbs
Mounting Dimensions	32 mm(L) x 32.5 mm(W) 1 ^{-17/64} "(L) x 1 ^{-9/32} "(W)	52 mm(L) x 36 mm(W) 2 ^{-3/64} "(L) x 1 ^{-27/64} "(W)

Model	DP0110-X1/-X3 ★☆	DP0110-Y1 ★☆
Attainable Vacuum	-66.7 kPa(-500 mmHg) -667 mbar -19.7 in.Hg	
Free Air Displacement	7.5 L/min 0.265 cfm	
Maximum Pressure	150 kPa(1.5 kgf/cm ²) 1.5 bar 21.7 psig	
Rated Voltage	12 V DC	24 V DC
Weight	0.30 kg 0.66 Lbs	
Mounting Dimensions	50 mm(L) x 30 mm(W) 1 ^{-31/32} "(L) x 1 ^{-3/16} "(W)	

Model	DP0102 ★☆	DP0102S ★☆	DP0102H-X1 ★☆	DP0102H-X2 ★
Attainable Vacuum	-26.7 kPa(-200 mmHg) -267 mbar -7.87 in.Hg	-26.7 kPa(-200 mmHg) -267 mbar -7.87 in.Hg	—————	—————
Free Air Displacement	5.0 L/min 0.177 cfm	7.0 L/min 0.247 cfm	4.0 L/min 0.141 cfm	4.0 L/min 0.141 cfm
Maximum Pressure	45 kPa(0.45 kgf/cm ²) 0.45 bar 6.52 psig	45 kPa(0.45 kgf/cm ²) 0.45 bar 6.52 psig	80 kPa(0.8 kgf/cm ²) 0.8 bar 11.6 psig	80 kPa(0.8 kgf/cm ²) 0.8 bar 11.6 psig
Working Pressure Range	-26.7 to 45 kPa -200 mmHg to 0.45 kgf/cm ² -267 mbar to 0.45 bar -7.87 in.Hg to 6.52 psig	-26.7 to 45 kPa -200 mmHg to 0.45 kgf/cm ² -267 mbar to 0.45 bar -7.87 in.Hg to 6.52 psig	-50.7 to 80 kPa -380 mmHg to 0.8 kgf/cm ² -507 mbar to 0.8 bar -15 in.Hg to 11.6 psig	0 to 80 kPa 0 to 0.8 kgf/cm ² 0 to 0.8 bar 0 to 11.6 psig
Rated Voltage	12 V DC	24 V DC	12 V DC	12 V DC
Weight	0.25 kg 0.55 Lbs	0.25 kg 0.55 Lbs	0.25 kg 0.55 Lbs	0.25 kg 0.55 Lbs
Mounting Dimensions	50 mm(L) x 30 mm(W) 1 ^{-31/32} "(L) x 1 ^{-3/16} "(W)	50 mm(L) x 30 mm(W) 1 ^{-31/32} "(L) x 1 ^{-3/16} "(W)	50 mm(L) x 30 mm(W) 1 ^{-31/32} "(L) x 1 ^{-3/16} "(W)	50 mm(L) x 30 mm(W) 1 ^{-31/32} "(L) x 1 ^{-3/16} "(W)

Model	DP0105-X1 ★☆	DP0105-Y1 ★☆	DPA0105-X1 ★	DPA0105-Y1 ★
Attainable Vacuum	-66.7 kPa(-500 mmHg) -667 mbar -19.7 in.Hg	-66.7 kPa(-500 mmHg) -667 mbar -19.7 in.Hg	—————	—————
Free Air Displacement	2.8 L/min 0.099 cfm	2.8 L/min 0.099 cfm	2.8 L/min 0.099 cfm	2.8 L/min 0.099 cfm
Maximum Pressure	250 kPa(2.5 kgf/cm ²) 2.5 bar 36.2 psig	250 kPa(2.5 kgf/cm ²) 2.5 bar 36.2 psig	220 kPa(2.2 kgf/cm ²) 2.2 bar 31.9 psig	220 kPa(2.2 kgf/cm ²) 2.2 bar 31.9 psig
Working Pressure Range	-66.7 kPa to 100 kPa -500 mmHg to 1 kgf/cm ² -667 mbar to 1 bar -19.7 in.Hg to 14.5 psig	-66.7 kPa to 100 kPa -500 mmHg to 1 kgf/cm ² -667 mbar to 1 bar -19.7 in.Hg to 14.5 psig	0 to 100 kPa 0 to 1 kgf/cm ² 0 to 1 bar 0 to 14.5 psig	0 to 100 kPa 0 to 1 kgf/cm ² 0 to 1 bar 0 to 14.5 psig
Rated Voltage	12 V DC	24 V DC	12 V DC	24 V DC
Weight	0.36 kg 0.79 Lbs	0.36 kg 0.79 Lbs	0.3 kg 0.66 Lbs	0.3 kg 0.66 Lbs
Mounting Dimensions	42 mm(L) x 24.5 mm(W) 1 ^{-21/32} "(L) x 1 ^{-31/32} "(W)	42 mm(L) x 24.5 mm(W) 1 ^{-21/32} "(L) x 1 ^{-31/32} "(W)	32 mm(L) x 27.5 mm(W) 1 ^{-9/32} "(L) x 1 ^{-5/64} "(W)	32 mm(L) x 27.5 mm(W) 1 ^{-9/32} "(L) x 1 ^{-5/64} "(W)