



Oil-less Vacuum Pumps Oil-less Air Compressors

your oil-less solution



Oil-less Vacuum Pumps / Air Compressors

Your oil-less solution

MAJP oil-less rocking piston pump combines the best characteristics of traditional piston pumps and diaphragm pumps into small units with excellent features.

It is light weight and makes the pumps very portable. The MAJP inherited the diaphragm pumps characteristic of "Near ZERO maintenance" and the durability of piston pumps. This has made the pumps maintenance interval very long if use for general application.

This series is ideal for use in applications where oil-mist is undesirable. Should the system require under vacuum starts it is necessary to install a three ways solenoid valve.

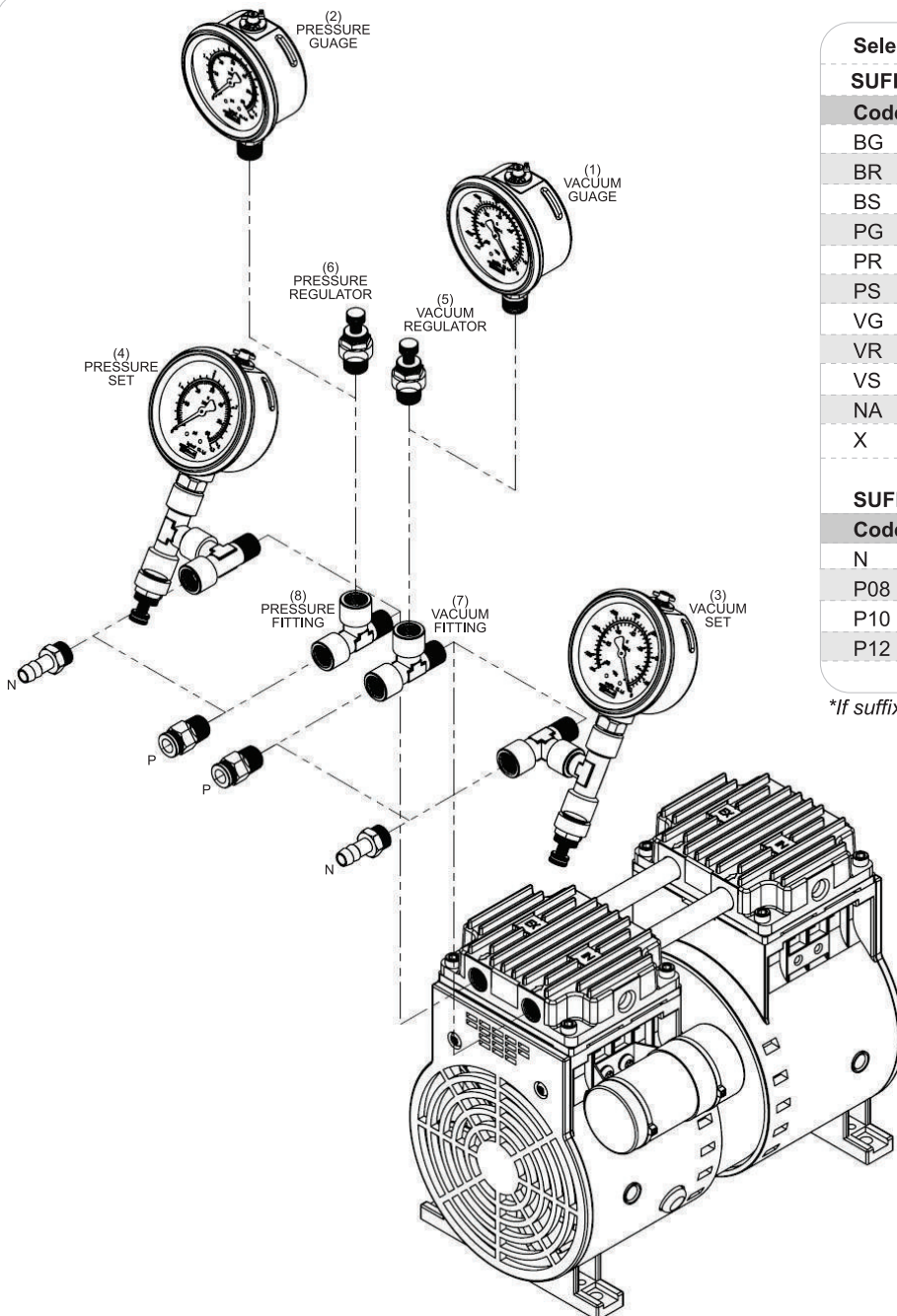
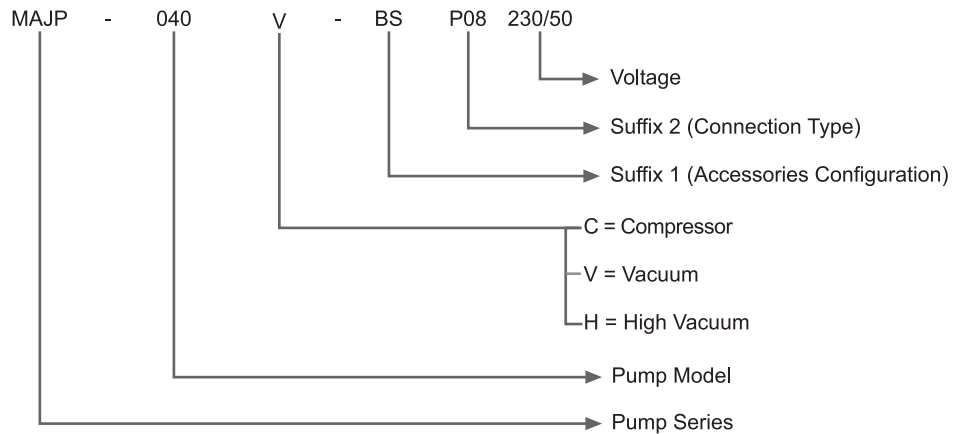


Vacuum Pump / Compressor

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Order Part number

An Illustration:



Selection table of suffixes

SUFFIX 1

Code	Consist of Item
BG	1. 2. 7. 8.
BR	5. 6. 7. 8.
BS	3. 4.
PG	2. 8.
PR	6. 8.
PS	4.
VG	1. 7.
VR	5. 7.
VS	3.
NA	No Accessories
X	Other Special Construction*

SUFFIX 2

Code	Connection
N	Nozzle 8mm I.D. Tube
P08	08mm Push-In Fitting
P10	10mm Push-In Fitting
P12	12mm Push-In Fitting

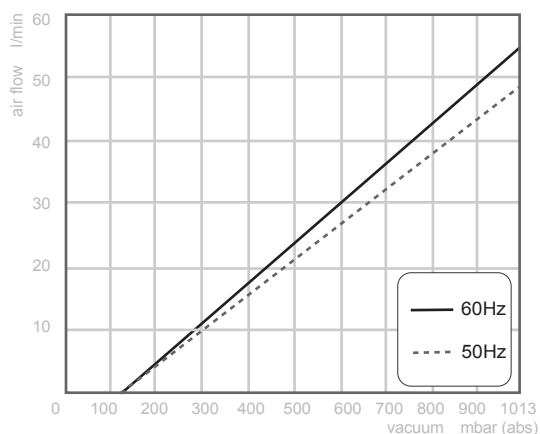
*If suffix X is used, always specify Serial Number.

Vacuum Pump / Compressor

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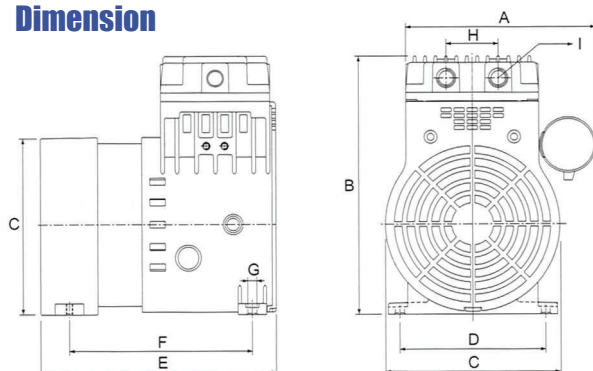
MAJP-40V



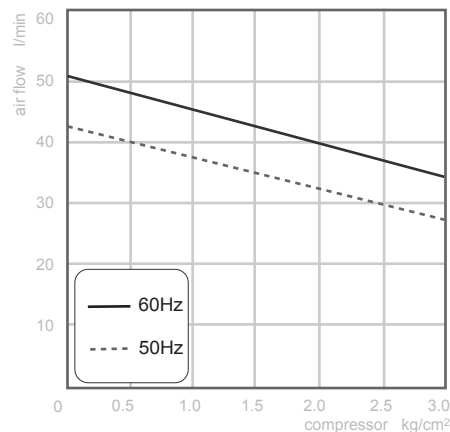
Specification

Frequency	Hz	50	60
Max Air Flow	l/min	47	55
	cfm	1.66	1.94
Max Vacuum (abs)	mbar	107	107
Motor Voltage	volt	230	115
Rated Current	Amp	1.7	2.0
Motor Speed	rpm	1425	1725
Motor Power	phase	Single	Single
Motor Output	watt	250	250
Ambient Temp	°C	7 - 40	7 - 40
Noise Level	dB	56	56

Dimension



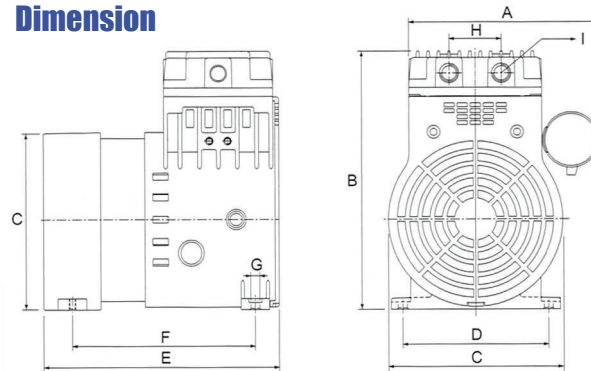
MAJP-40C



Specification

Frequency	Hz	50	60
Max Air Flow	l/min	43	51
	cfm	1.52	1.80
Max Pressure	kg/cm²	3	3
Motor Voltage	volt	230	115
Rated Current	Amp	2.9	3.3
Motor Speed	rpm	1425	1725
Motor Power	phase	Single	Single
Motor Output	watt	300	300
Ambient Temp	°C	7 - 40	7 - 40
Noise Level	dB	62	62

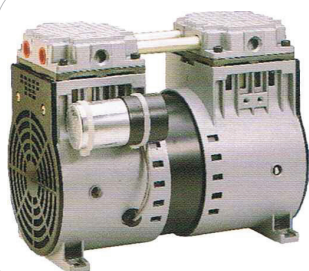
Dimension



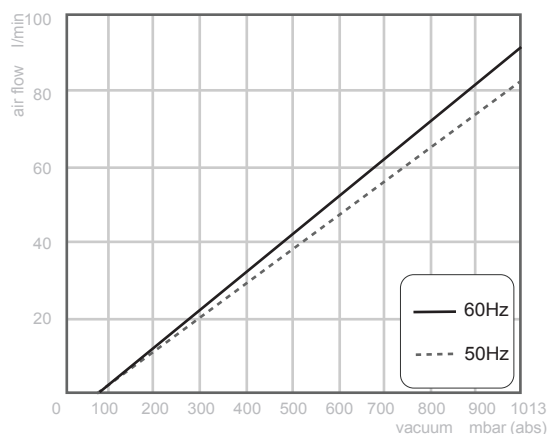
Model	A	B	C	D	E	F	G	H	I	WEIGHT
MAJP-40V	146	198	Ø134	112	181	140.5	Ø7	40	PT 1/4"	6.80 KG
MAJP-40C	146	198	Ø134	112	181	140.5	Ø7	40	PT 1/4"	6.80 KG

Vacuum Pump / Compressor

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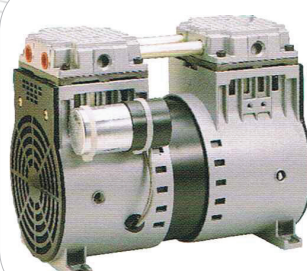
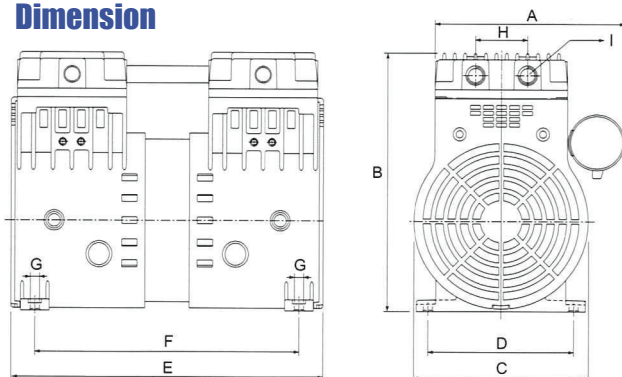
MAJP-90V



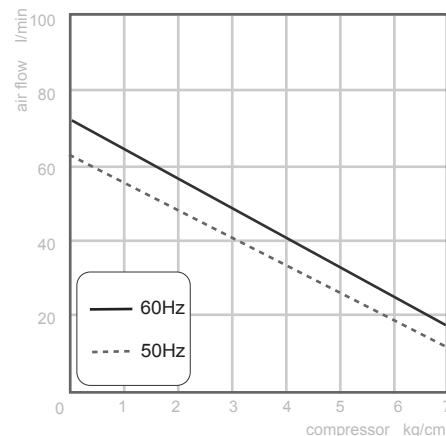
Specification

Frequency	Hz	50	60
Max Air Flow	l/min	81	90
	cfm	2.86	3.18
Max Vacuum (abs)	mbar	80	80
Motor Voltage	volt	230	115
Rated Current	Amp	1.6	1.8
Motor Speed	rpm	1425	1725
Motor Power	phase	Single	Single
Motor Output	watt	300	300
Ambient Temp	°C	7 - 40	7 - 40
Noise Level	dB	56	56

Dimension



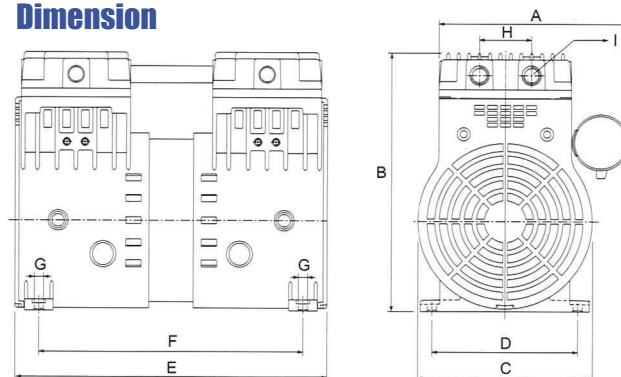
MAJP-90C



Specification

Frequency	Hz	50	60
Max Air Flow	l/min	66	75
	cfm	2.33	2.65
Max Pressure	kg/cm²	7	7
Motor Voltage	volt	230	115
Rated Current	Amp	3.3	3.6
Motor Speed	rpm	1425	1725
Motor Power	phase	Single	Single
Motor Output	watt	350	350
Ambient Temp	°C	7 - 40	7 - 40
Noise Level	dB	62	62

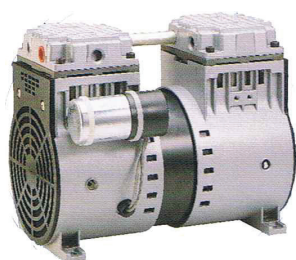
Dimension



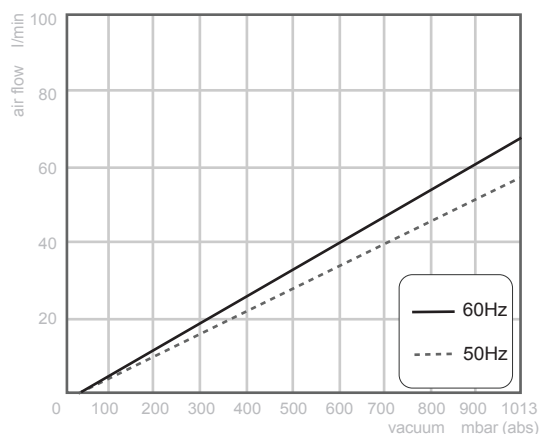
Model	A	B	C	D	E	F	G	H	I	WEIGHT
MAJP-90V	146	198	Ø134	112	240	203.5	Ø7	40	PT 1/4"	8.35 KG
MAJP-90C	146	198	Ø134	112	240	203.5	Ø7	40	PT 1/4"	8.35 KG

Vacuum Pump

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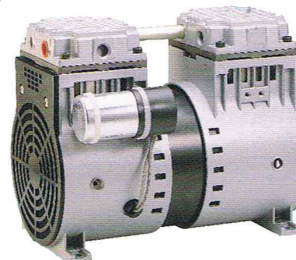
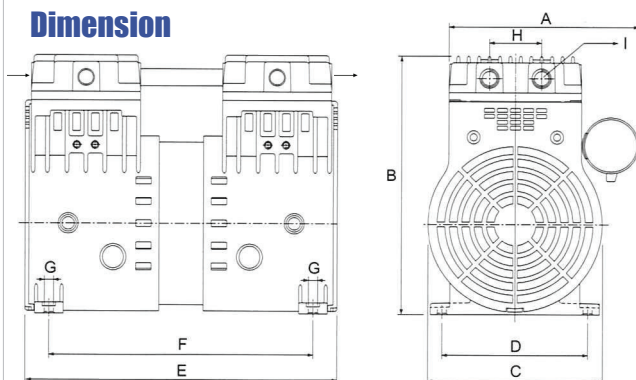
MAJP-90H



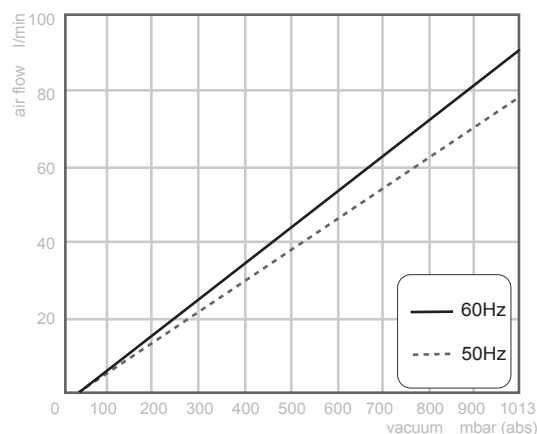
Specification

Frequency	Hz	50	60
Max Air Flow	l/min	58	66
	cfm	2.05	2.33
Max Vacuum (abs)	mbar	27	27
Motor Voltage	volt	230	115
Rated Current	Amp	1.7	2.0
Motor Speed	rpm	1425	1725
Motor Power	phase	Single	Single
Motor Output	watt	300	300
Ambient Temp	°C	7 - 40	7 - 40
Noise Level	dB	56	56

Dimension



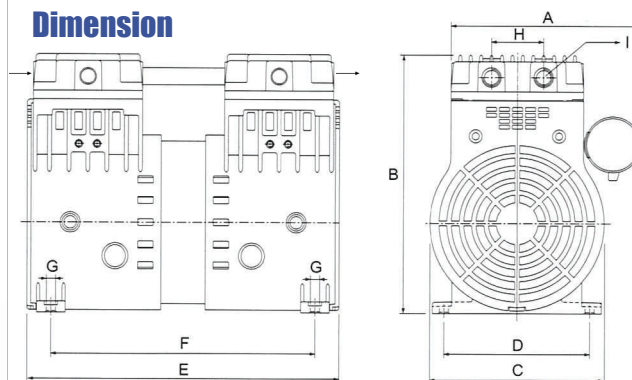
MAJP-120H



Specification

Frequency	Hz	50	60
Max Air Flow	l/min	79	90
	cfm	2.79	3.18
Max Vacuum (abs)	mbar	27	27
Motor Voltage	volt	230	115
Rated Current	Amp	1.9	2.2
Motor Speed	rpm	1425	1725
Motor Power	phase	Single	Single
Motor Output	watt	360	360
Ambient Temp	°C	7 - 40	7 - 40
Noise Level	dB	56	56

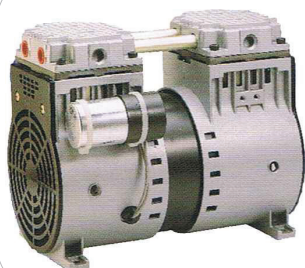
Dimension



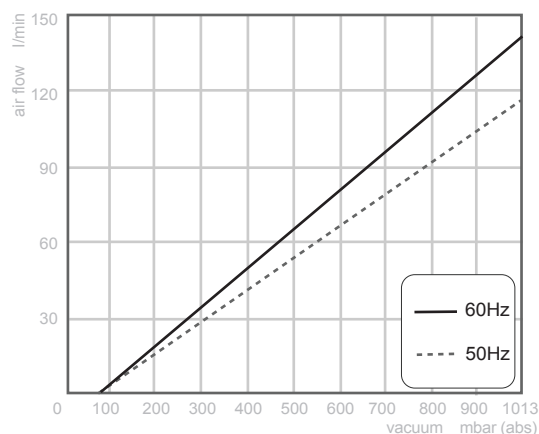
Model	A	B	C	D	E	F	G	H	I	WEIGHT
MAJP-90H	146	198	Ø134	112	240	203.5	Ø7	40	PT 1/4"	8.35 KG
MAJP-120H	146	198	Ø134	112	240	203.5	Ø7	40	PT 1/4"	8.40 KG

Vacuum Pump

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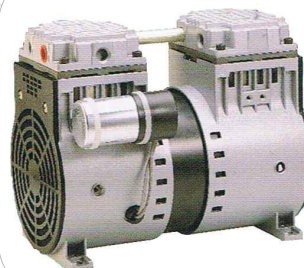
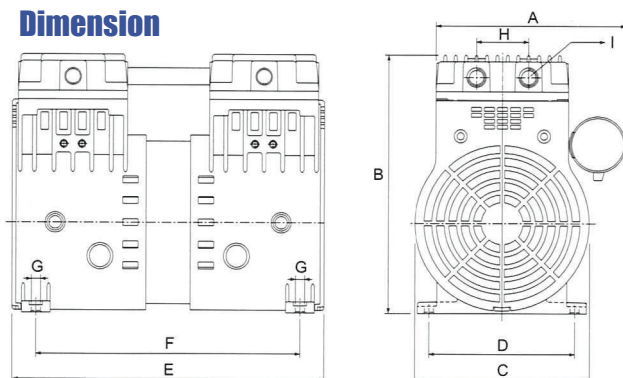
MAJP-140V



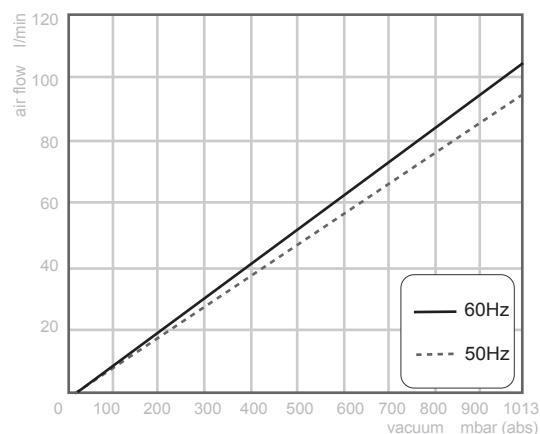
Specification

Frequency	Hz	50	60
Max Air Flow	l/min	119	143
	cfm	4.20	5.05
Max Vacuum (abs)	mbar	80	80
Motor Voltage	volt	230	115
Rated Current	Amp	1.8	5.9
Motor Speed	rpm	1425	1725
Motor Power	phase	Single	Single
Motor Output	watt	410	670
Ambient Temp	°C	7 - 40	7 - 40
Noise Level	dB	56	56

Dimension



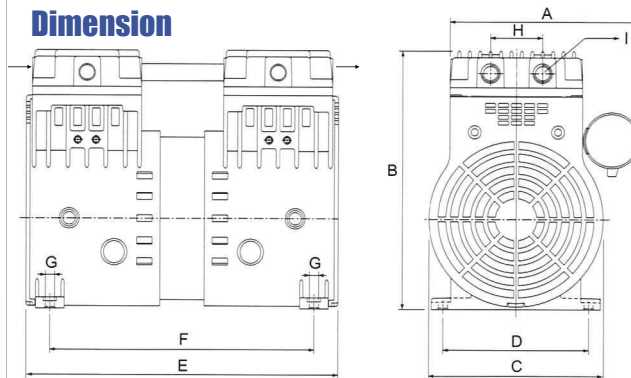
MAJP-140H



Specification

Frequency	Hz	50	60
Max Air Flow	l/min	92	105
	cfm	3.25	3.71
Max Vacuum(abs)	mbar	27	27
Motor Voltage	volt	230	115
Rated Current	Amp	1.7	3.9
Motor Speed	rpm	1425	1725
Motor Power	phase	Single	Single
Motor Output	watt	360	440
Ambient Temp	°C	7 - 40	7 - 40
Noise Level	dB	56	56

Dimension



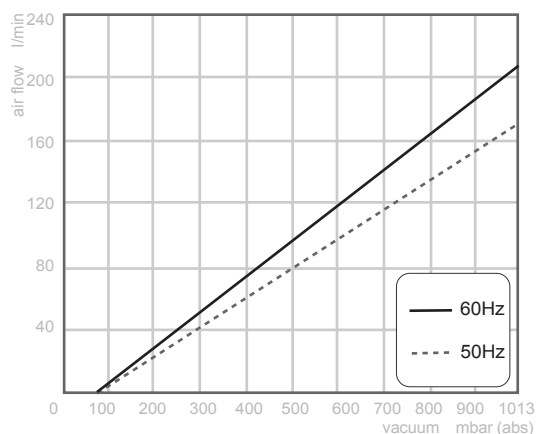
Model	A	B	C	D	E	F	G	H	I	WEIGHT
MAJP-140V	146	198	Ø134	112	240	203.5	Ø7	40	PT 1/4"	8.40 KG
MAJP-140H	146	198	Ø134	112	240	203.5	Ø7	40	PT 1/4"	8.40 KG

Vacuum Pump

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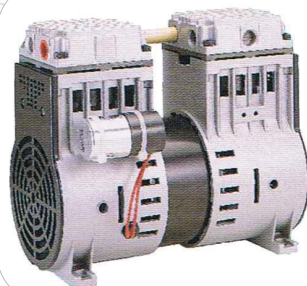
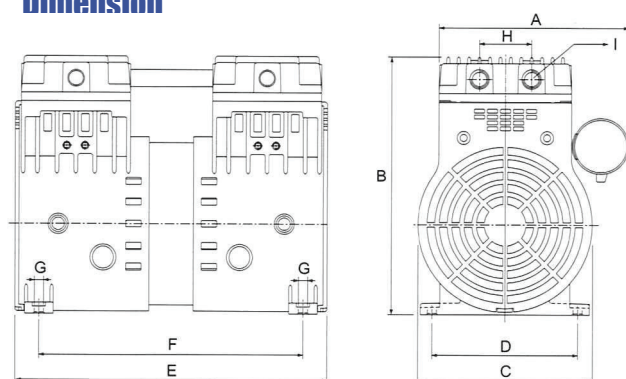
MAJP-200V



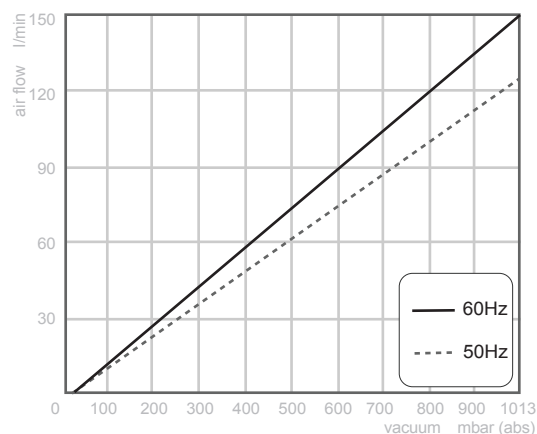
Specification

Frequency	Hz	50	60
Max Air Flow	l/min	168	205
	cfm	5.94	7.24
Max Vacuum (abs)	mbar	80	80
Motor Voltage	volt	230	115
Rated Current	Amp	2.6	5.4
Motor Speed	rpm	1480	1775
Motor Power	phase	Single	Single
Motor Output	watt	540	595
Ambient Temp	°C	7 - 40	7 - 40
Noise Level	dB	59	59

Dimension



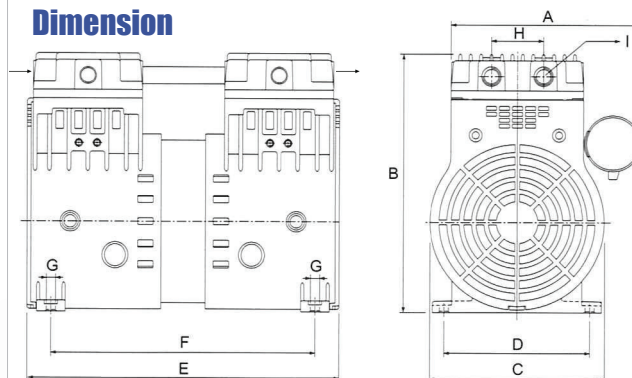
MAJP-200H



Specification

Frequency	Hz	50	60
Max Air Flow	l/min	123	150
	cfm	4.35	5.30
Max Vacuum (abs)	mbar	27	27
Motor Voltage	volt	230	115
Rated Current	Amp	5.5	5.3
Motor Speed	rpm	1480	1775
Motor Power	phase	Single	Single
Motor Output	watt	530	580
Ambient Temp	°C	7 - 40	7 - 40
Noise Level	dB	59	59

Dimension



Model	A	B	C	D	E	F	G	H	I	WEIGHT
MAJP-200V	146	242	Ø140	118	275	223.5	Ø7	40	PT 3/8"	11.5 KG
MAJP-200H	146	242	Ø140	118	275	223.5	Ø7	40	PT 3/8"	11.5 KG

Conversion Chart

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%Vacuum	Absolute Value				
	mbar	Torr / mmHg	In Hg	Kpa	mmAq
0	1013	760	30.0	101.3	10330
1.3	1000	750	29.6	100.0	10197
11.2	900	675	26.7	90.0	9178
21.0	800	600	23.7	80.0	8158
30.9	700	525	20.7	70.0	7138
40.8	600	450	17.8	60.0	6118
50.6	500	375	14.8	50.0	5099
60.5	400	300	11.8	40.0	4079
70.4	300	225	8.88	30.0	3059
80.3	200	150	5.92	20.0	2039
90.1	100	75.0	2.96	10.0	1020
91.1	90	67.5	2.67	9.00	918
92.1	80	60.0	2.37	8.00	816
93.1	70	52.5	2.07	7.00	714
94.1	60	45.0	1.78	6.00	612
95.1	50	37.5	1.48	5.00	510
96.1	40	30.0	1.18	4.00	408
97.0	30	22.5	0.888	3.00	306
98.0	20	15.0	0.592	2.00	204
99.0	10	7.50	0.296	1.00	102
99.1	9.0	6.75	0.267	0.90	91.8
99.2	8.0	6.00	0.237	0.80	81.6
99.3	7.0	5.25	0.207	0.70	71.4
99.4	6.0	4.50	0.178	0.60	61.2
99.5	5.0	3.75	0.148	0.50	51.0
99.6	4.0	3.00	0.118	0.40	40.8
99.7	3.0	2.25	0.0888	0.30	30.6
99.8	2.0	1.50	0.0592	0.20	20.4
99.9	1.0	0.75	0.0296	0.10	10.2
99.9	0.9	0.68	0.0267	0.09	9.18
99.9	0.8	0.60	0.0237	0.08	8.16
99.9	0.7	0.53	0.0207	0.07	7.14
99.9	0.6	0.45	0.0178	0.06	6.12
100.0	0.5	0.38	0.0148	0.05	5.10
100.0	0.4	0.30	0.0118	0.04	4.08
100.0	0.3	0.23	0.0089	0.03	3.06
100.0	0.2	0.15	0.0059	0.02	2.04
100.0	0.1	0.08	0.0030	0.01	1.02
100.0	0.09	0.068	0.0027	0.009	0.92
100.0	0.08	0.060	0.0024	0.008	0.82
100.0	0.07	0.053	0.0021	0.007	0.71
100.0	0.06	0.045	0.0018	0.006	0.61
100.0	0.05	0.038	0.0015	0.005	0.51
100.0	0.04	0.030	0.0012	0.004	0.41
100.0	0.03	0.023	0.0009	0.003	0.31
100.0	0.02	0.015	0.0006	0.002	0.20
100.0	0.01	0.008	0.0003	0.001	0.10
100.0	0.005	0.0038	0.0001	0.0005	0.05
100.0	0.001	0.0008	0.00003	0.0001	0.01
100.0	0	0	0	0	0

