

Masport® H-Series II Vacuum / Pressure Pumps



H1V

◆ Tangential Rotor Design

- Higher Airflow Efficiency.
- Less Vane Wear.
- Less Cylinder Wear.

◆ End Thrust Protection

- Prevents Rotor-to-Endcover Contact Created by Direct P.T.O. Drive or Misaligned Belt Driven Systems.

◆ Double End Shaft

- Accommodates Clockwise or Counter-Clockwise Drive Systems.

◆ Integral Valve

- Allows Pump to Operate in Vacuum and Pressure Mode.
- Reduces Plumbing and Installation Costs.

◆ Exclusive Porting Design

- Multiple Inlet and Outlet Porting Design for Greater Ease and Plumbing Versatility.

◆ Masport Quality & Performance

- Achieve Minimum of 27" Hg (Intermittent).
- Precise Machining and Assembly.
- Heavy Duty Bearings.
- Viton Oil Seals for Longer Service Life.
- Vanes are Heat Stabilized and Machined to Exacting Tolerances for Superior Ruggedness and Durability.
- Easy to Service.
- Superior Pump Life.

◆ Performance Warranty

- One Year Warranty.

TO ORDER CALL: 1(800) 228-4510

Masport®

PERFORMANCE DATA

Performance Data – Vacuum

Pump R.P.M.	Displacement C.F.M.	S.C.F.M. and A.C.F.M. @ VACUUM											Maximum Vacuum – “Hg	
			5	10	15	18	20	22	24	25	26	27	Continuous	Intermittent
1250	19	SCFM	15	12	9	6	5	4	3	2	1.3	0.8	20	27
		ACFM	18	18	17	16	15	14	13	12	10	8		
1425	23	SCFM	17	14	10	8	6	4	3	2	2	1	20	27
		ACFM	21	20	20	19	18	17	16	14	12	10		
1750	30	SCFM	23	18	13	10	8	6	5	4	3	1.7	20	27
		ACFM	28	27	27	26	25	24	23	22	20	17		

Performance Data – Pressure

Pump R.P.M.	Displacement C.F.M.	S.C.F.M. @ P.S.I.G.							Maximum Pressure – P.S.I.G.	
		2	4	5	8	10	12	15	Continuous	Intermittent
1250	19	18	18	17	17	16	16	15	15	15
1425	23	22	21	21	20	20	19	19	15	15
1750	30	28	27	26	26	25	25	24	15	15

Horsepower Required @ “Hg

Pump R.P.M.	Vacuum “Hg		
	15	20	27
1250	0.9	1.0	1.2
1425	1.0	1.2	1.4
1750	1.3	1.5	1.8

Horsepower Required @ P.S.I.G.

Pump R.P.M.	P.S.I.G.		
	5	10	15
1250	0.9	1.3	1.6
1425	1.0	1.5	1.8
1750	1.2	1.9	2.2

DIMENSIONAL DATA

H1V Pump

H1F Pump

	H1V	H1F
A	7 11/32	7 11/32
B	4 11/32	4 11/32
C	11 1/16	6 7/16
D	4 15/16	4 15/16
E	4 15/16	4 15/16
F	10 15/32	10 15/32
G	25mm	25mm
H	2 7/32	2 7/32
J	2 1/8	2 1/8
K	1 25/32	1 25/32
L	13/32	13/32
M	7mm x 8mm x 1 3/8"	7mm x 8mm x 1 3/8"
N	3 9/16	3 9/16
P	1/4	1/4
Q	1	1

ALL DIMENSIONS IN INCHES UNLESS STATED OTHERWISE.

For additional information on these quality Masport Vacuum / Pressure Pumps contact:



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