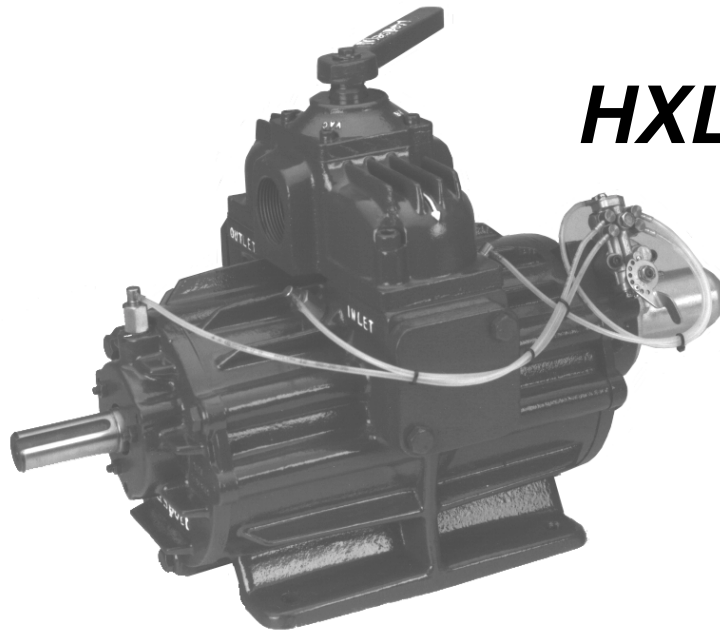


Masport[®] HXL-Series II Vacuum / Pressure Pumps



HXL4V

◆ Mechanical Oil Pump

- Automatic Oiling.
- No Adjustment Required.
- Delivers Right Amount of Oil at All Working Levels.

◆ 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.

◆ Exclusive Porting Design

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

◆ Double End Shaft

- Accommodates Clockwise or Counter-Clockwise Drive Systems.

◆ O-Ring Endcovers

- Eliminates Air or Oil Leakage.

◆ Integral Valve

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

◆ 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.

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
1100	122	SCFM	103	78	57	41	33	23	15	12	7.2	3.7	20	27
		ACFM	121	117	114	103	99	86	75	72	53	37		
1225	137	SCFM	116	88	63	46	37	26	16	14	9.6	4.1	20	27
		ACFM	136	132	127	115	111	97	80	78	71	41		
1400	156	SCFM	132	100	72	53	42	30	19	16	11	4.7	20	27
		ACFM	155	150	145	132	126	112	95	84	81	47		

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.	
		5	10	15	18	20	25	30	Continuous	Intermittent
1100	122	102	97	93	87	82	77	72	20	30
1225	137	115	109	104	98	92	87	81	20	30
1400	156	131	125	119	112	105	99	92	20	30

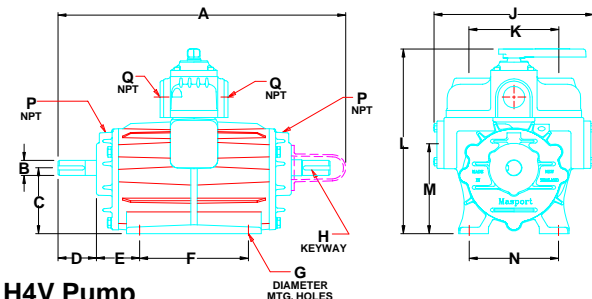
Horsepower Required @ P.S.I.G.

Pump R.P.M.	P.S.I.G.				
	5	10	15	20	25
1100	4.9	6.9	8.7	10.7	12.4
1225	5.5	7.7	9.7	11.9	13.8
1400	6.3	8.8	11.0	13.6	15.8

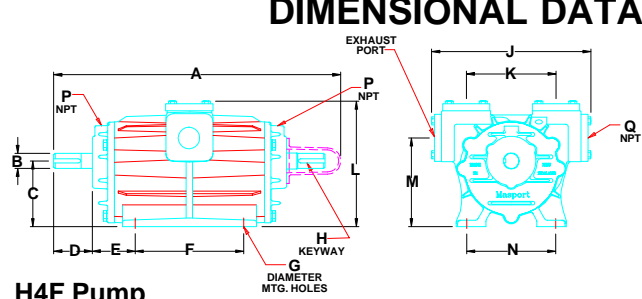
Horsepower Required @ "Hg

Pump R.P.M.	Vacuum "Hg				
	5	10	15	20	27
1100	4.4	4.7	4.9	5.4	5.9
1225	4.9	5.2	5.5	6.0	6.6
1400	5.6	5.9	6.3	6.9	7.5

DIMENSIONAL DATA



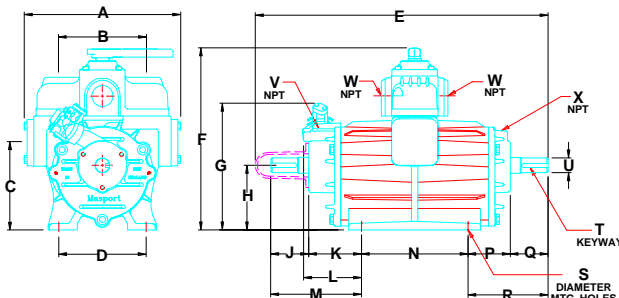
H4V Pump



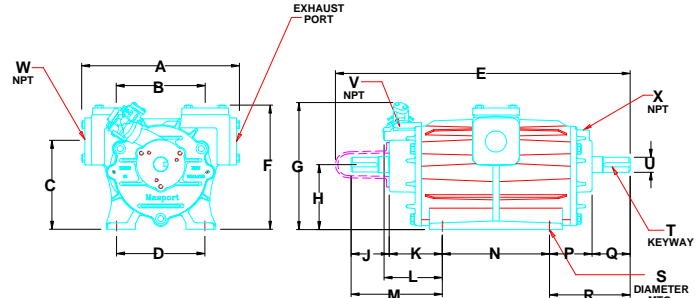
H4F Pump

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q
H4V	21 1/16	1 1/8	4 13/16	3 19/32	3 5/32	7 31/32	9/16	5/16 x 5/16 x 2	11 11/16	6 9/16	13 19/32	6 9/16	6 17/32	1/4	1 1/2
H4F	21 1/16	1 1/8	4 13/16	3 19/32	3 5/32	7 31/32	9/16	5/16 x 5/16 x 2	11 11/16	6 9/16	9 23/32	6 9/16	6 17/32	1/4	1 1/2

ALL DIMENSIONS IN INCHES.



HXL4V Pump

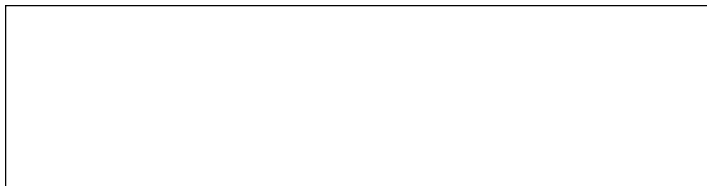


HXL4F Pump

	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X
HXL4V	11 11/16	6 15/32	6 9/16	6 17/32	21 7/8	13 19/32	9 7/16	4 13/16	2 13/16	3 15/16	4 7/32	6 23/32	7 31/32	3 5/32	2 13/16	5 15/16	9/16	5/16 x 5/16 x 2	1 1/8	1/8	1 1/2	1/4
HXL4F	11 11/16	6 15/32	6 9/16	6 17/32	21 7/8	9 23/32	9 7/16	4 13/16	2 13/16	3 15/16	4 7/32	6 23/32	7 31/32	3 5/32	2 13/16	5 15/16	9/16	5/16 x 5/16 x 2	1 1/8	1/8	1 1/2	1/4

ALL DIMENSIONS IN INCHES.

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