



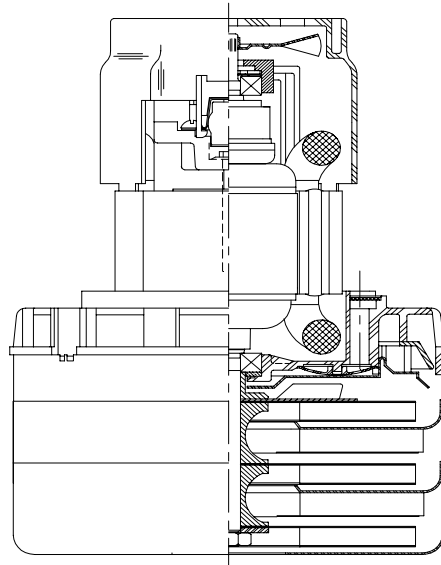
Model: 116973-13

DESCRIPTION

- Three stage
- 100 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- ACUSTEK® low-noise peripheral bypass discharge
- Thermoset fan end bracket
- Aluminum commutator bracket

DESIGN APPLICATION

- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

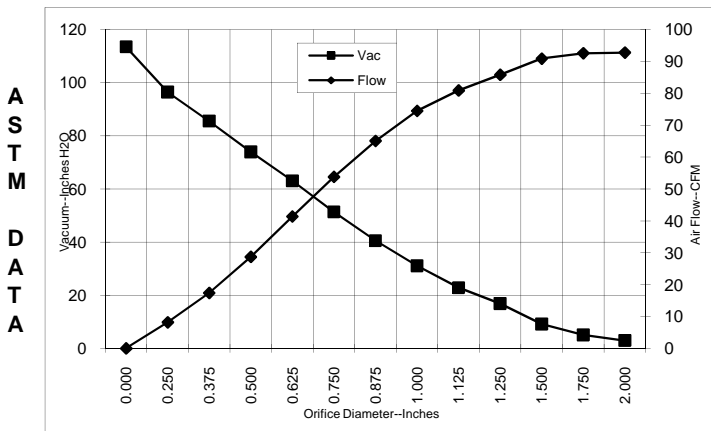


SPECIAL FEATURES

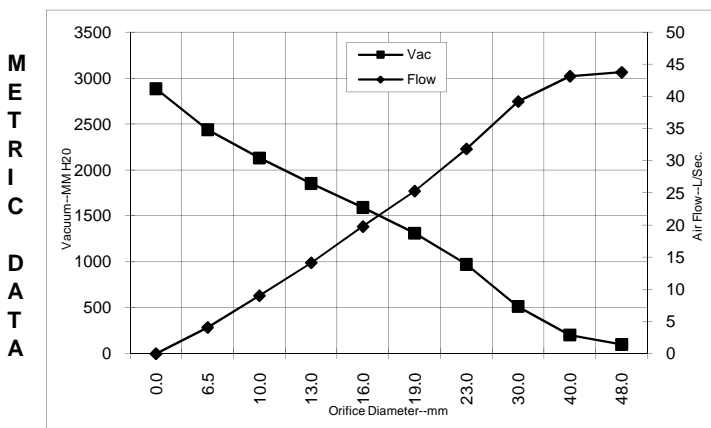
- Suitable for 100 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- ACUSTEK® low-noise design, U.S. Patent #1,417,2000
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

(At 100 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	10.9	1059	16800	3.0	92.8	33
1.750	10.9	1062	16950	5.1	92.6	56
1.500	11.0	1069	16933	9.2	90.9	98
1.250	11.2	1081	16883	16.9	85.8	171
1.125	11.2	1090	16883	22.9	80.9	218
1.000	11.3	1090	16867	31.1	74.5	272
0.875	11.1	1080	16933	40.6	65.1	310
0.750	10.8	1047	17233	51.4	53.8	325
0.625	10.2	997	17767	63.1	41.4	307
0.500	9.4	921	18600	74.0	28.7	249
0.375	8.5	837	19650	85.6	17.4	175
0.250	7.6	754	20900	96.5	8.2	93
0.000	6.7	677	21933	113.5	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	10.9	1060	16866	100	43.8	43
40.0	11.0	1067	16938	202	43.1	85
30.0	11.2	1086	16883	513	39.2	196
23.0	11.1	1083	16917	971	31.8	301
19.0	10.8	1046	17244	1312	25.3	324
16.0	10.2	999	17746	1591	19.8	308
13.0	9.5	929	18517	1852	14.1	255
10.0	8.6	850	19493	2130	9.0	186
6.5	7.6	758	20838	2437	4.1	97
0.0	6.7	677	21933	2883	0.0	0

Note: Metric performance data is calculated from the ASTM data above.

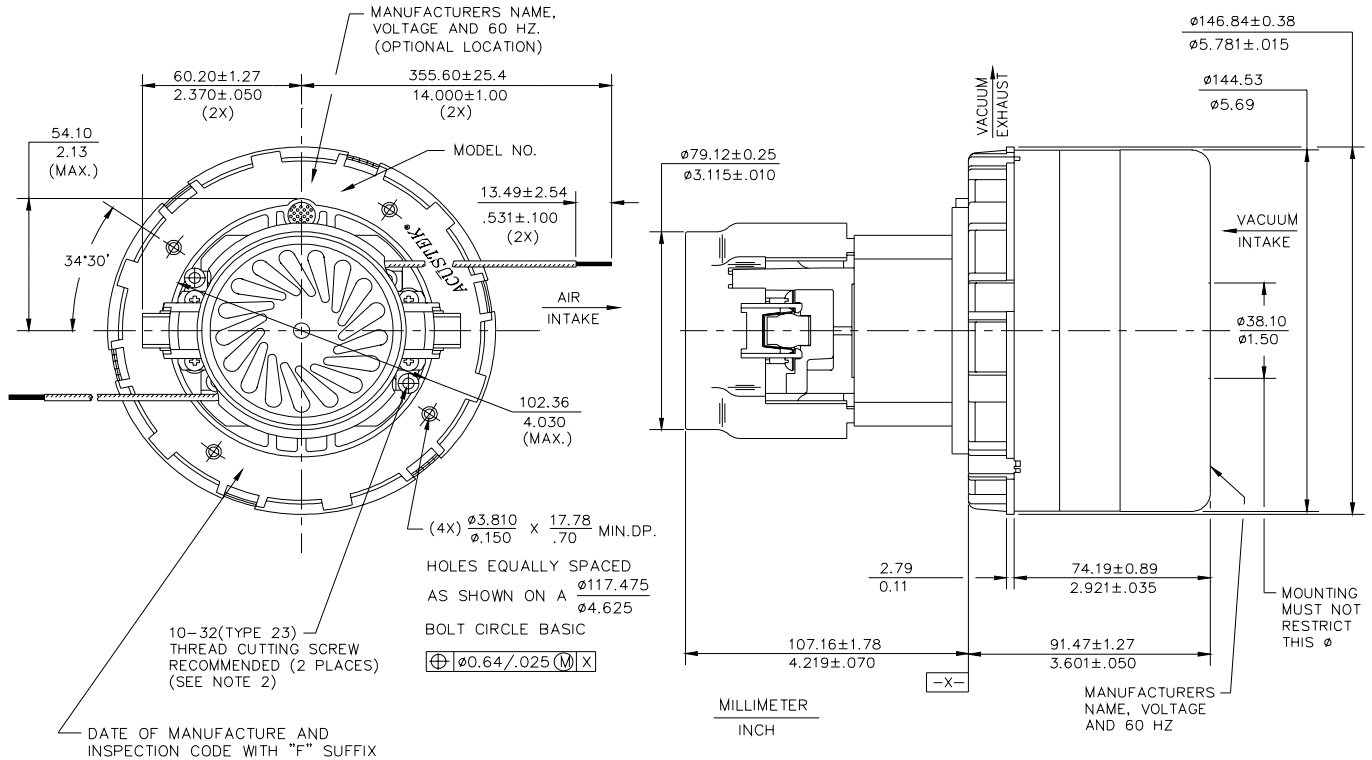
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	100 volts	Minimum Sealed Vacuum:	100.0"	ORIFICE:	7/8 "	Minimum Vacuum:	34.0"	Maximum Watts:	1200
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DIMENSIONS

NOTES:

1. LEADS: 18GA STRANDED, LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE.
2. GROUNDING OR EARTHING PROVISIONS: USE HOLES AS INDICATED FOR GROUNDING OR EARTHING. REFER TO APPROPRIATE LISTING OR REGULATORY AGENCY FOR PROPER METHOD OF GROUNDING OR EARTHING.



IMPORTANT NOTE: Pictorial and dimensional data are subject to change without notice. Contact factory for current revision levels.

WARNING - When using AMETEK Lamb Electric bypass motors in machines that come in contact with foam, liquid (including water), or other foreign substances, the machine must be designed and constructed to prevent those substances from reaching the fan system, motor housing, and electrical components. Lamb Electric vacuum motors other than hazardous duty models should not be applied in machines that come in contact with dry chemicals or other volatile materials. Failure to observe these precautions could cause flashing (depending on volatility) or electrical shock which could result in property damage and severe bodily injury, including death in extreme cases. All applications incorporating Lamb Electric motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

AMETEK/Lamb Electric Division
627 Lake Street
Kent, Ohio 44240
U.S.A.
Tel: (330) 673-3451 Fax: (330) 673-8994
www.lambelectric.com