

LAMB ELECTRIC

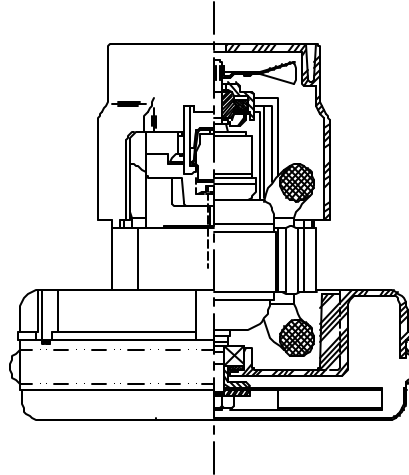
Model: 116271-00

DESCRIPTION

- One stage
- 240 volts
- 5.7"/145 mm diameter
- Ball/Sleeve bearings
- Single speed
- Peripheral bypass discharge
- Thermoset fan end bracket

DESIGN APPLICATION

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



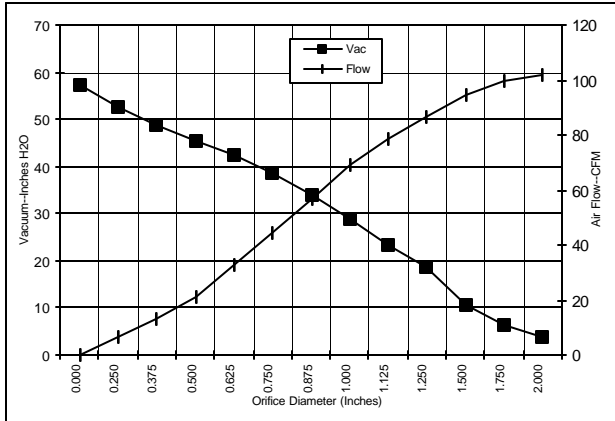
SPECIAL FEATURES

- Suitable for 240 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

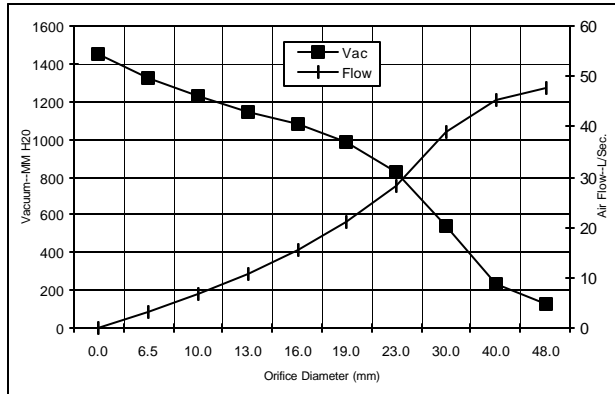
(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	4.0	838	20664	3.8	102.1	46
1.750	4.0	843	20632	6.2	99.9	74
1.500	3.7	847	20526	10.6	94.3	118
1.250	3.7	847	20632	18.5	86.4	188
1.125	3.7	838	20685	23.3	78.6	216
1.000	3.6	800	20897	28.8	68.8	233
0.875	3.5	804	21374	33.9	56.9	227
0.750	3.4	775	21798	38.7	44.6	203
0.625	3.2	732	22466	42.5	32.5	162
0.500	3.1	697	23176	45.3	21.3	113
0.375	2.8	653	23896	49.0	12.8	74
0.250	2.7	620	24479	52.4	6.2	38
0.000	2.6	601	25115	57.2	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	4.0	840	20650	124	47.7	58
40.0	3.8	846	20558	236	45.3	105
30.0	3.7	842	20661	537	38.8	203
23.0	3.5	803	21255	829	28.3	229
19.0	3.4	774	21811	985	20.9	202
16.0	3.2	734	22439	1076	15.6	164
13.0	3.1	701	23105	1144	10.6	118
10.0	2.9	660	23788	1231	6.6	80
6.5	2.7	622	24450	1327	3.1	40
0.0	2.6	601	25115	1453	0.0	0

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

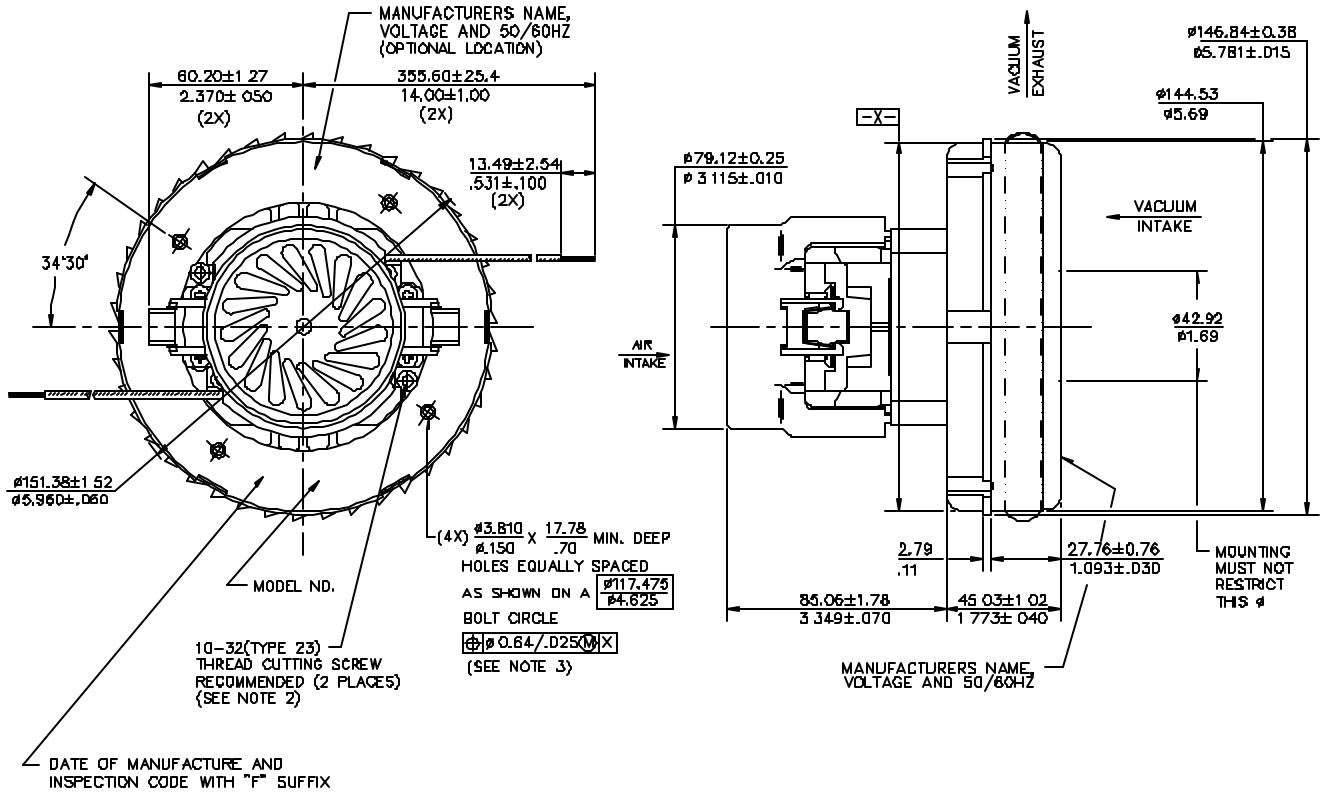
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variat

Test Specs:	240 volts	Minimum Sealed Vacuum:	51.0"	ORIFICE:	7/8"	Minimum Vacuum:	33.0"	Maximum Watts:	875
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DIMENSIONS

NOTES

1. LEADS: 18 GA 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
3. RECOMMENDED SCREW SIZE 10-16 TYPE BT OR TYPE 25 THREAD CUTTING SCREW. MAXIMUM PENETRATION 17.4D/685.



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.

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