

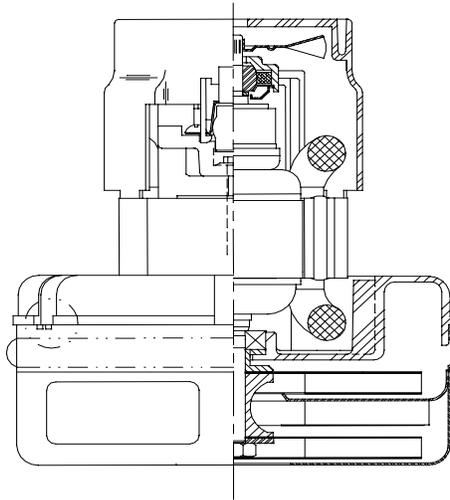


**DESCRIPTION**

- Two stage
- 240 volts
- 5.7" / 145 mm diameter
- Ball/Sleeve bearings
- Single speed
- Peripheral 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

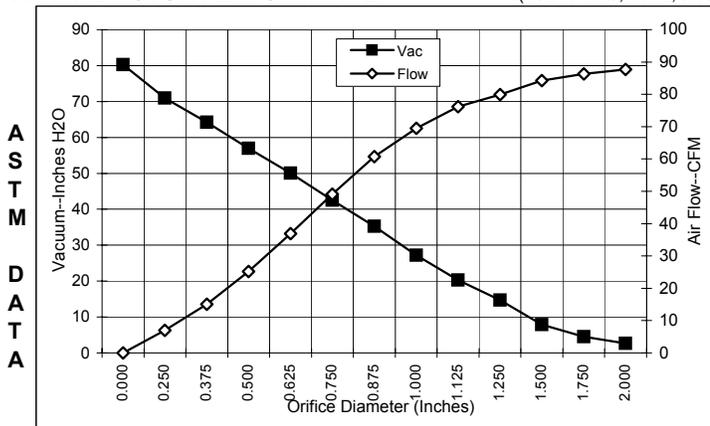


**SPECIAL FEATURES**

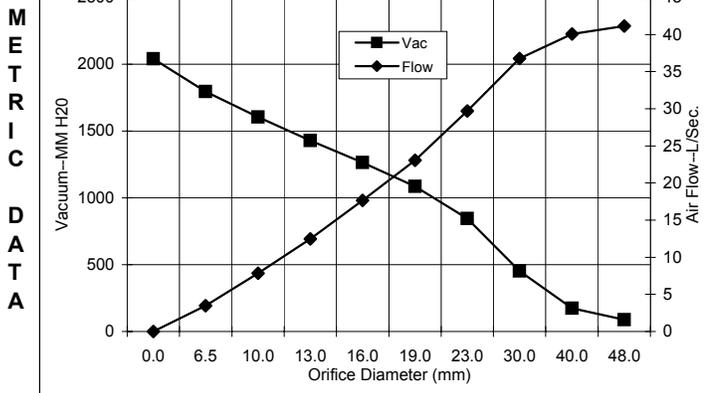
- Suitable for 240 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton frame design
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

**TYPICAL MOTOR PERFORMANCE.\***

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



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	3.3	741	18731	2.7	87.7	27
1.750	3.3	744	18704	4.5	86.4	45
1.500	3.3	749	18439	7.9	84.2	79
1.250	3.4	762	18174	14.7	79.9	138
1.125	3.4	764	18121	20.3	76.2	182
1.000	3.4	774	18068	27.2	69.5	223
0.875	3.4	766	18227	35.3	60.7	251
0.750	3.3	746	18704	42.6	49.1	246
0.625	3.1	709	19340	50.1	36.9	218
0.500	2.8	665	20029	56.9	25.2	169
0.375	2.6	619	21141	64.2	15.0	114
0.250	2.5	576	22307	71.0	7.0	58
0.000	2.3	544	23261	80.3	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	3.3	742	18719	89	41.1	35
40.0	3.3	747	18519	174	40.1	69
30.0	3.4	763	18145	452	36.8	162
23.0	3.4	768	18187	844	29.7	244
19.0	3.3	745	18717	1085	23.0	246
16.0	3.1	711	19315	1265	17.6	219
13.0	2.9	670	19960	1429	12.5	174
10.0	2.7	626	20975	1604	7.8	122
6.5	2.5	578	22249	1794	3.5	61
0.0	2.3	544	23261	2040	0.0	0

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

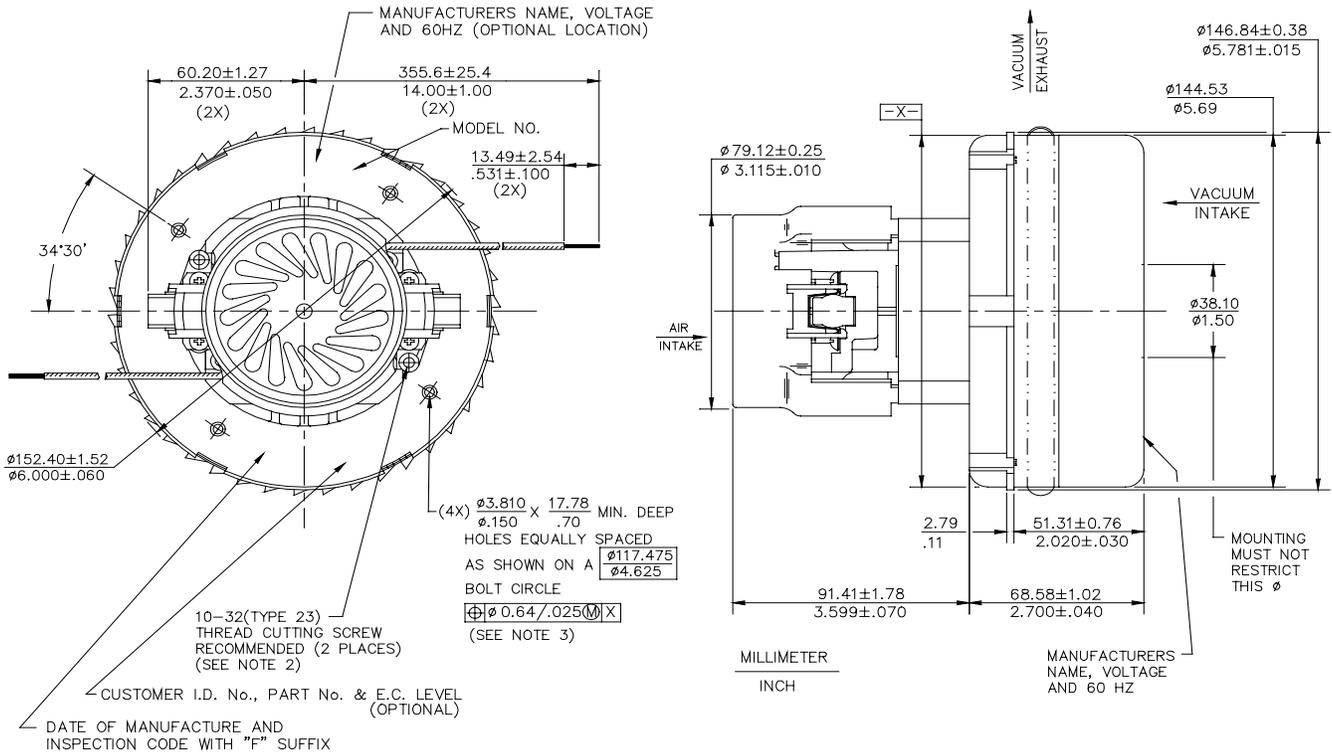
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

<b>Test Specs:</b>	<b>Minimum Sealed Vacuum: 74.0"</b>	<b>ORIFICE: 16 mm</b>	<b>Minimum Vacuum: 51.0"</b>	<b>Maximum Watts: 800</b>
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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.
3. RECOMMENDED SCREW SIZE 10-16 TYPE BT OR TYPE 25 THREAD CUTTING SCREW. MAXIMUM PENETRATION 17.40/.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) of 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 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 motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

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