

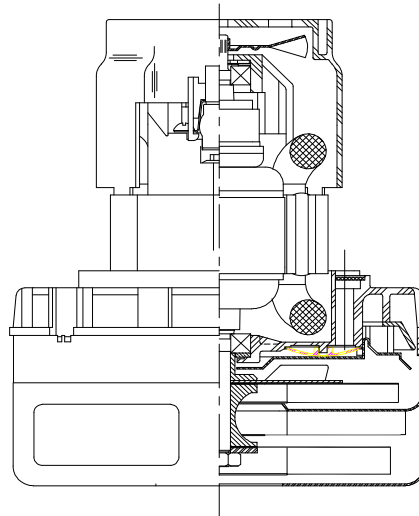


**DESCRIPTION**

- Two stage
- 120 volts
- 5.7"/145 mm diameter
- Double bearings
- Single speed
- ACUSTEK® low-noise peripheral bypass discharge
- Thermoset fan end bracket
- Thermoset commutator bracket
- Double insulation

**DESIGN APPLICATION**

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



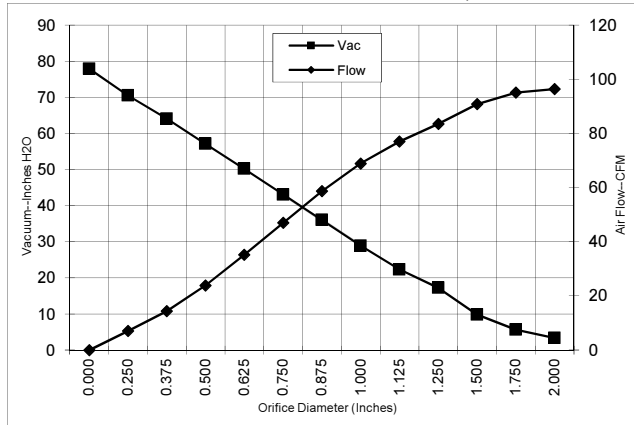
**SPECIAL FEATURES**

- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Skeleton-frame design
- Epoxy painted fan case
- Patented air seal bearing protection. U.S. Patent #4,088,424
- ACUSTEK® low-noise design, U.S. Patent #1,417,200
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

**TYPICAL MOTOR PERFORMANCE.\***

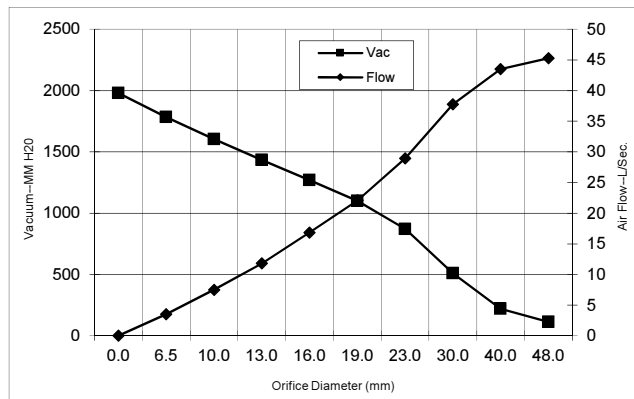
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

**ASTM DATA**



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H <sub>2</sub> O)	Flow (CFM)	Air Watts
2.000	7.5	839	17467	3.4	96.4	39
1.750	7.5	840	17437	5.7	95.1	64
1.500	7.5	841	17310	9.9	90.8	105
1.250	7.5	841	17297	17.2	83.5	169
1.125	7.5	840	17340	22.4	77.0	202
1.000	7.4	836	17383	28.9	68.9	234
0.875	7.3	823	17560	36.0	58.7	249
0.750	7.0	795	17843	43.1	47.0	238
0.625	6.7	754	18427	50.2	35.2	208
0.500	6.2	703	19090	57.1	23.9	161
0.375	5.7	646	19877	64.1	14.4	109
0.250	5.2	594	20777	70.5	7.1	59
0.000	4.8	555	21593	77.9	0.0	0

**METRIC DATA**



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	7.5	839	17453	112	45.2	50
40.0	7.5	840	17348	218	43.5	93
30.0	7.5	841	17321	509	37.7	188
23.0	7.3	826	17516	870	28.9	245
19.0	7.0	794	17855	1098	22.1	238
16.0	6.7	755	18403	1268	16.8	209
13.0	6.2	708	19024	1433	11.8	165
10.0	5.7	655	19759	1601	7.5	117
6.5	5.2	597	20732	1782	3.5	61
0.0	4.8	555	21593	1978	0.0	0

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

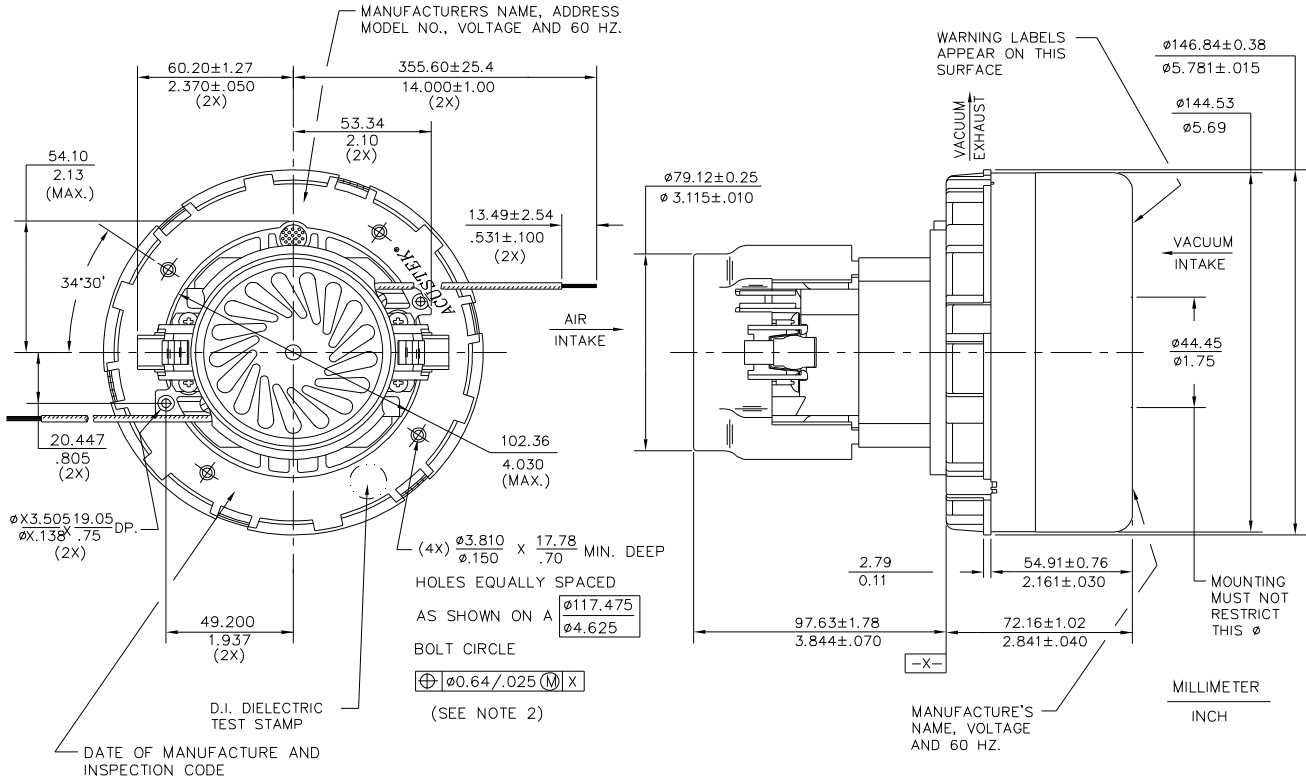
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

<b>Test Specs:</b> 120 volts	<b>Minimum Sealed Vacuum:</b> 71"	<b>ORIFICE:</b> 7/8"	<b>Minimum Vacuum:</b> 30"	<b>Maximum Watts:</b> 980
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DIMENSIONS

NOTES:

1. LEADS: 18GA STRANDED, LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE.
2. RECOMMENDED SCREW SIZE 10-16 TYPE BT OR 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), 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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