



**AMETEK**

**LAMB ELECTRIC**

**Product Bulletin**

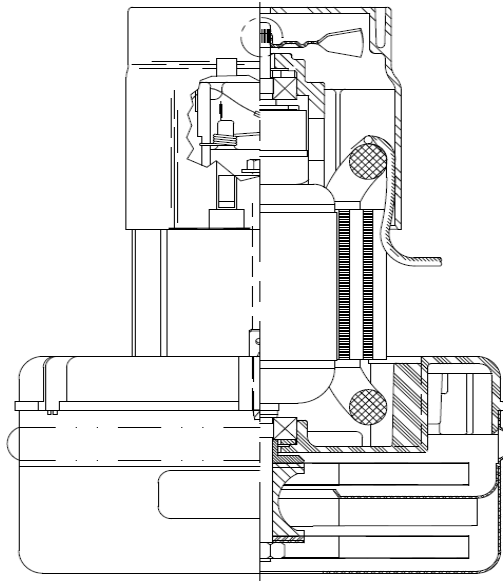
**Model: 133510-00**

**DESCRIPTION**

- Two stage
- 220 volts
- 5.7"/145 mm diameter
- Double ball 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



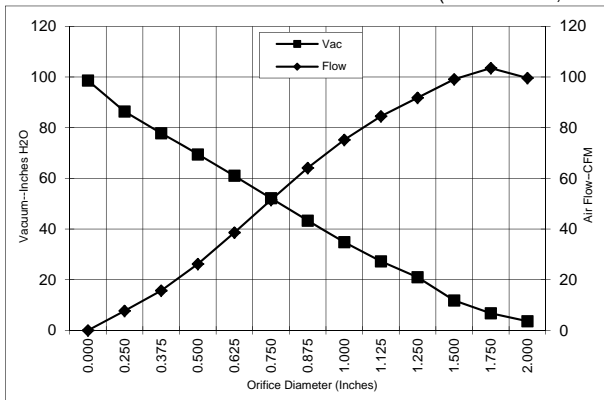
**SPECIAL FEATURES**

- Suitable for 220 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Open frame design
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

**TYPICAL MOTOR PERFORMANCE.\***

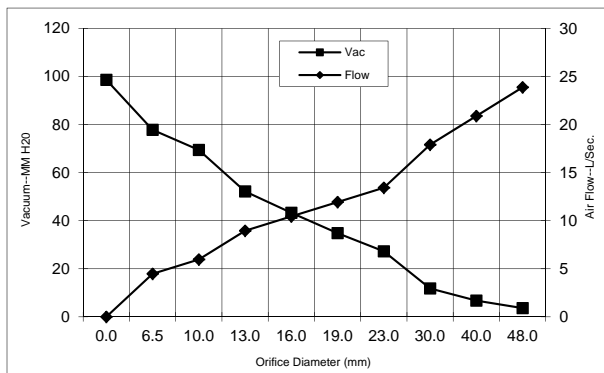
(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

**ASTM DATA**



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H <sub>2</sub> O)	Flow (CFM)	Air Watts
2	4.9	1057	19610	3.6	99.6	42
1.75	5.0	1059	19410	6.8	103.5	82
1.5	5.0	1072	19310	11.8	99.1	137
1.25	5.1	1081	19110	21.0	91.8	226
1.125	5.1	1086	19010	27.3	84.5	270
1	5.1	1086	19010	34.8	75.2	307
0.875	5.0	1068	19210	43.3	64.1	326
0.75	4.8	1035	19710	52.2	51.5	315
0.625	4.6	981	20310	61.1	38.6	277
0.5	4.3	923	21300	69.4	26.2	214
0.375	4.0	858	22400	77.8	15.7	143
0.25	3.7	788	23690	86.4	7.7	78
0	3.4	739	24790	98.6	0.0	0

**METRIC DATA**



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
50.8	4.9	1057	19610	4	23.9	42
44.5	5.0	1059	19410	7	20.9	82
38.1	5.0	1072	19310	12	17.9	137
28.6	5.1	1086	19010	27	13.4	270
25.4	5.1	1086	19010	35	11.9	307
22.2	5.0	1068	19210	43	10.4	326
19.1	4.8	1035	19710	52	9.0	315
12.7	4.3	923	21300	69	6.0	214
9.5	4.0	858	22400	78	4.5	143
0.0	3.4	739	24790	99	0.0	0

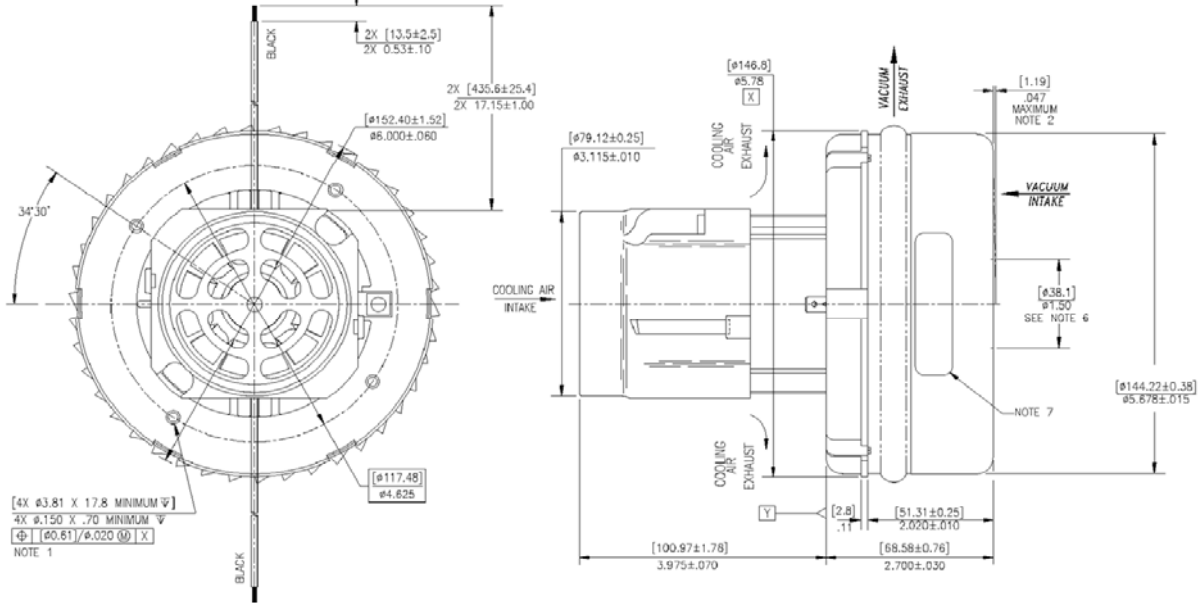
Note: Metric performance data is calculated from the ASTM data above.

\* 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>	220 volts	<b>Minimum Sealed Vacuum:</b>	90.0"	<b>ORIFICE:</b>	7/8"	<b>Minimum Vacuum:</b>	43in.H <sub>2</sub> O	<b>Maximum Watts:</b>	1100
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**NOTES:**

1. RECOMMENDED SCREW SIZE 10-16 TYPE BT OR TYPE 25 THREAD CUTTING SCREW. MAXIMUM PENETRATION [17.40]/.685.
2. FAN SHELL MAY BOW OUTWARD TO DIMENSION SHOWN BUT MUST NOT BOW INWARD TOWARDS ROTATING FAN.
3. ALLOW [0.0016 SQ W]/2.5 SQ IN FOR COOLING AIR INTAKE.
4. COOLING AIR INTAKE MUST BE SEPERATED FROM COOLING AIR EXHAUST.
5. VACUUM EXHAUST MUST BE SEPERATED FROM COOLING AIR EXHAUST.
6. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
7. MODEL NUMBER, DATE OF MANUFACTURE, UL RECOGNITION CODE, INSPECTOR'S CODE, MANUFACTURE'S NAME, VOLTAGE AND FREQUENCY TO APPEAR ON LABEL.



**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.

