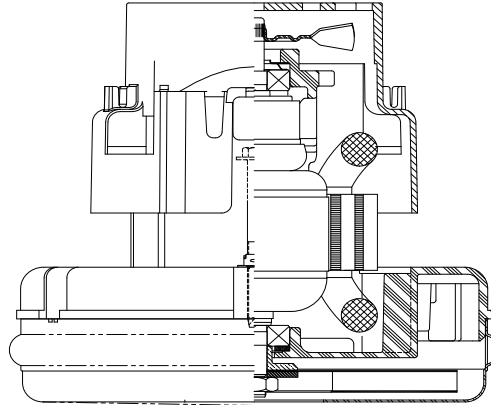


## LAMB ELECTRIC

**Model: 119764-00**

### DESCRIPTION

- One stage
- 100 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Peripheral bypass discharge
- Thermoset fan end bracket
- Thermoset commutator bracket



### SPECIAL FEATURES

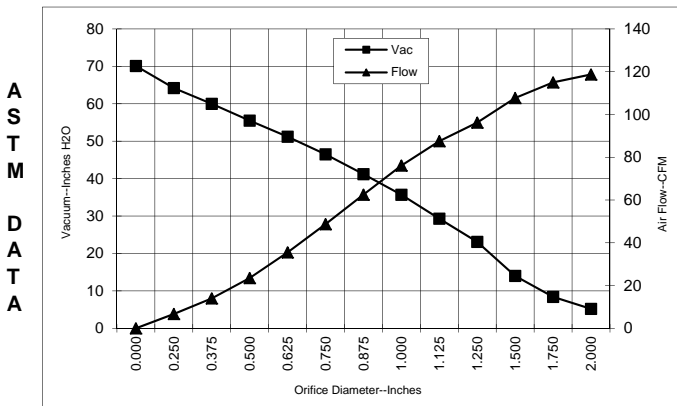
- Suitable for 100 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

### DESIGN APPLICATION

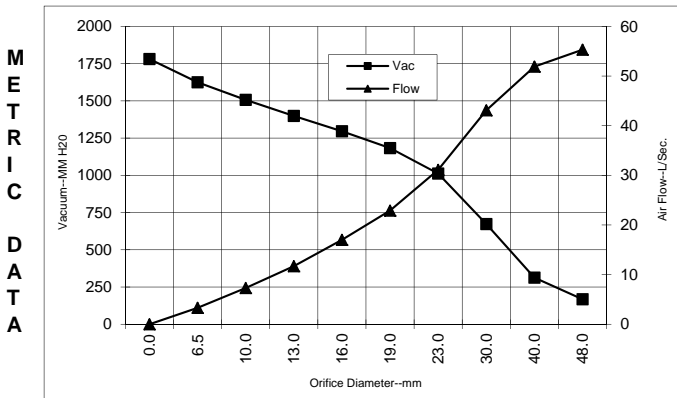
- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

### 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.H2O)	Flow (CFM)	Air Watts
2.000	11.1	1069	22430	5.2	118.7	73
1.750	11.1	1073	22280	8.4	115.0	114
1.500	11.1	1073	22280	14.0	107.7	177
1.250	11.1	1073	22280	23.1	96.2	261
1.125	11.1	1066	22380	29.3	87.5	301
1.000	10.9	1052	22630	35.7	76.1	319
0.875	10.6	1021	23130	41.2	62.5	302
0.750	10.1	978	23780	46.5	48.7	266
0.625	9.6	931	24630	51.2	35.5	213
0.500	9.1	880	25575	55.5	23.5	153
0.375	8.5	833	26620	60.0	14.0	99
0.250	8.1	786	27670	64.2	6.7	51
0.000	7.7	757	28370	70.1	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	11.1	1071	22364	168	55.3	91
40.0	11.1	1073	22280	313	51.9	158
30.0	11.1	1069	22335	673	43.1	283
23.0	10.6	1029	23005	1012	31.1	306
19.0	10.1	977	23797	1183	22.9	265
16.0	9.6	933	24596	1296	17.0	215
13.0	9.1	885	25481	1399	11.7	159
10.0	8.6	840	26463	1507	7.3	107
6.5	8.1	788	27618	1625	3.3	53
0.0	7.7	757	28370	1781	0.0	0

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

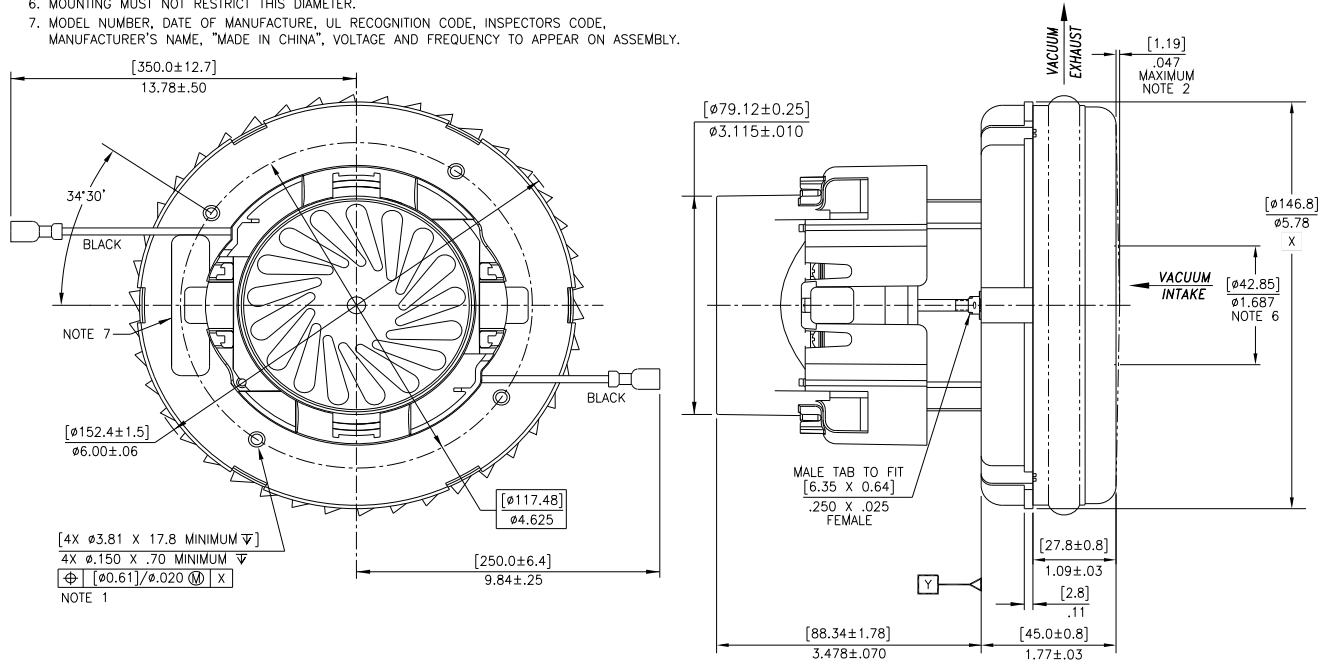
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

<b>Test Specs:</b>	100 volts	<b>Minimum Sealed Vacuum:</b>	70.0"	<b>ORIFICE:</b>	7/8 "	<b>Minimum Vacuum:</b>	39.0"	<b>Maximum Watts:</b>	1200
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**DIMENSIONS**

**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 M]/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, INSPECTORS CODE, MANUFACTURER'S NAME, "MADE IN CHINA", VOLTAGE AND FREQUENCY TO APPEAR ON ASSEMBLY.



**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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