



**AMETEK**

**Product Bulletin**

**LAMB ELECTRIC**

**AIR WATT™**  
S E R I E S

**Model: 119878-00**

**SPECIAL FEATURES**

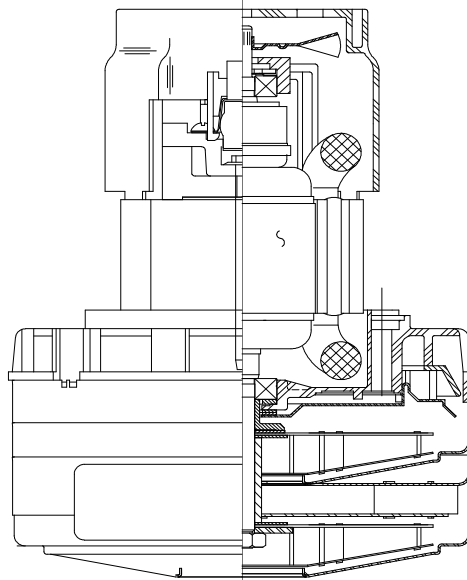
- Suitable for 240 volt AC operation, 50/60 hz.
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton frame design
- **Thermal device included**
- **Dual tapered (Patented) fan system**
- **Patented Acustek (low noise) bracket**
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

**DESCRIPTION**

- Two stage
- 240 volts
- 5.7" / 145 mm diameter
- Dual ball bearings
- Single speed
- Tangential Bypass Discharge
- Plastic fan end bracket
- Aluminum commutator bracket

**DESIGN APPLICATION**

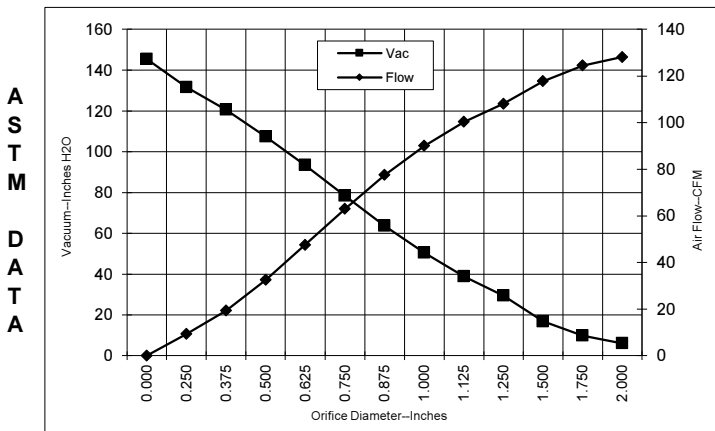
- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only



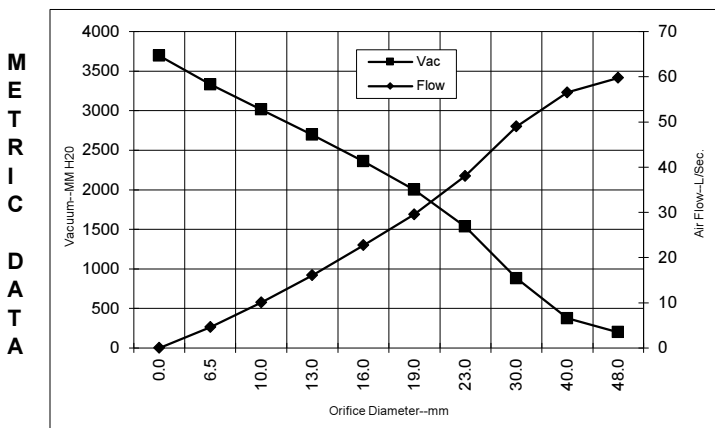
**PEAK AIRWATTS**  
**550**  
Calculated in accordance with ASTM F2105

**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.H <sub>2</sub> O)	Flow (CFM)	Air Watts
2.000	7.9	1804.2	24916	6.1	128.1	92
1.750	8.0	1803.8	24918	9.9	124.5	145
1.500	8.0	1806	24916	16.9	117.7	233
1.250	7.9	1803.2	24918	29.5	108.1	375
1.125	7.9	1791.6	24920	38.9	100.3	459
1.000	7.8	1767.2	25158	50.5	90.0	535
0.875	7.6	1725.6	25470	63.7	77.5	581
0.750	7.3	1660	25862	78.4	62.9	581
0.625	6.8	1561.8	26728	93.5	47.5	523
0.500	6.2	1426.8	27904	107.5	32.6	412
0.375	5.5	1274	29484	120.7	19.4	275
0.250	4.9	1133	31302	131.7	9.3	144
0.000	4.4	1029.6	32878	145.3	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	7.9	1804	24917	197	59.7	115
40.0	8.0	1805	24917	375	56.5	207
30.0	7.9	1797	24919	880	49.0	421
23.0	7.6	1736	25392	1535	38.1	569
19.0	7.3	1658	25879	2000	29.6	580
16.0	6.9	1566	26693	2358	22.7	525
13.0	6.3	1440	27786	2694	16.1	423
10.0	5.6	1297	29247	3014	10.1	295
6.5	4.9	1140	31211	3331	4.6	150
0.0	4.4	1030	32878	3692	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>	<b>240 Volts</b>	<b>Minimum Sealed Vacuum:</b>	<b>140.0</b>	<b>ORIFICE:</b>	<b>7/8"</b>	<b>Minimum Vacuum:</b>	<b>57.0</b>	<b>Maximum Watts:</b>	<b>1535</b>
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