



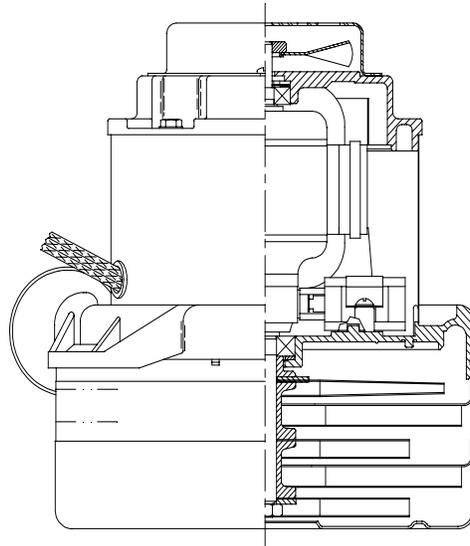
**Model: 116117-00**

**DESCRIPTION**

- Three stage
- 240 volts
- 7.2"/183 mm diameter
- Double ball bearings
- Single speed
- Tangential bypass discharge
- Aluminum 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



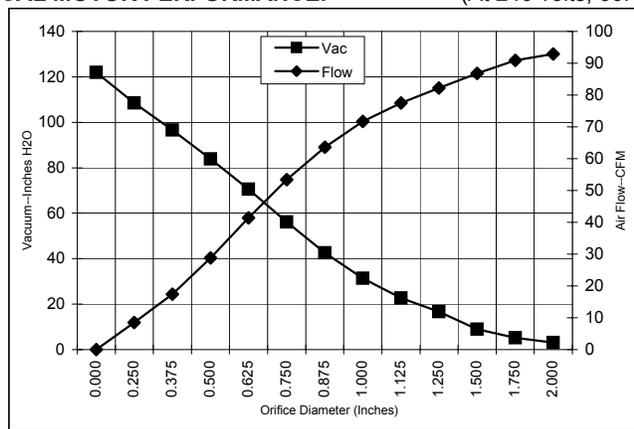
**SPECIAL FEATURES**

- Suitable for 240 volt AC operation, 50/60 Hz
- UL recognized , category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- 10 mm shaft and bearing system
- Aluminum fan end bracket designed to dampen vibration and improve durability
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

**TYPICAL MOTOR PERFORMANCE.\***

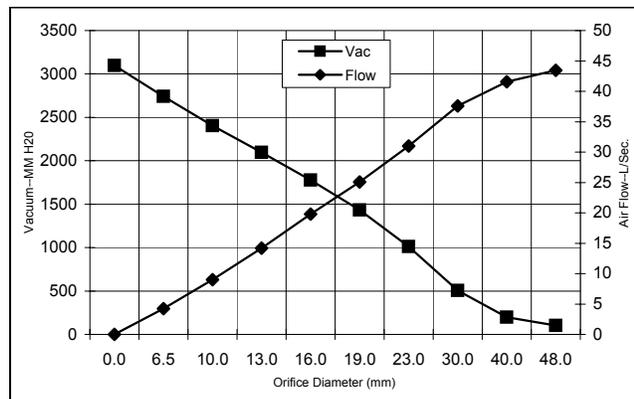
(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

**ASTM DATA**



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H <sub>2</sub> O)	Flow (CFM)	Air Watts
2.000	6.6	1336	16300	3.1	92.9	34
1.750	6.6	1343	16270	5.2	90.9	55
1.500	6.7	1347	16223	8.9	86.8	92
1.250	6.7	1353	16216	16.6	82.2	161
1.125	6.6	1343	16193	22.7	77.5	207
1.000	6.6	1342	16206	31.4	71.7	265
0.875	6.6	1333	16266	42.6	63.6	319
0.750	6.5	1321	16453	56.2	53.4	352
0.625	6.3	1273	16746	70.6	41.4	343
0.500	5.9	1193	17436	83.8	28.8	284
0.375	5.4	1101	18323	96.6	17.4	197
0.250	4.9	1013	19320	108.5	8.5	108
0.000	4.5	936	20306	121.9	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	6.6	1339	16287	102	43.4	43
40.0	6.6	1346	16237	198	41.6	81
30.0	6.7	1348	16203	507	37.6	186
23.0	6.6	1335	16251	1011	31.0	306
19.0	6.5	1320	16459	1435	25.1	352
16.0	6.3	1275	16734	1779	19.8	343
13.0	5.9	1201	17367	2095	14.2	290
10.0	5.4	1115	18190	2405	9.0	210
6.5	4.9	1017	19270	2741	4.2	112
0.0	4.5	936	20306	3096	0.0	0

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

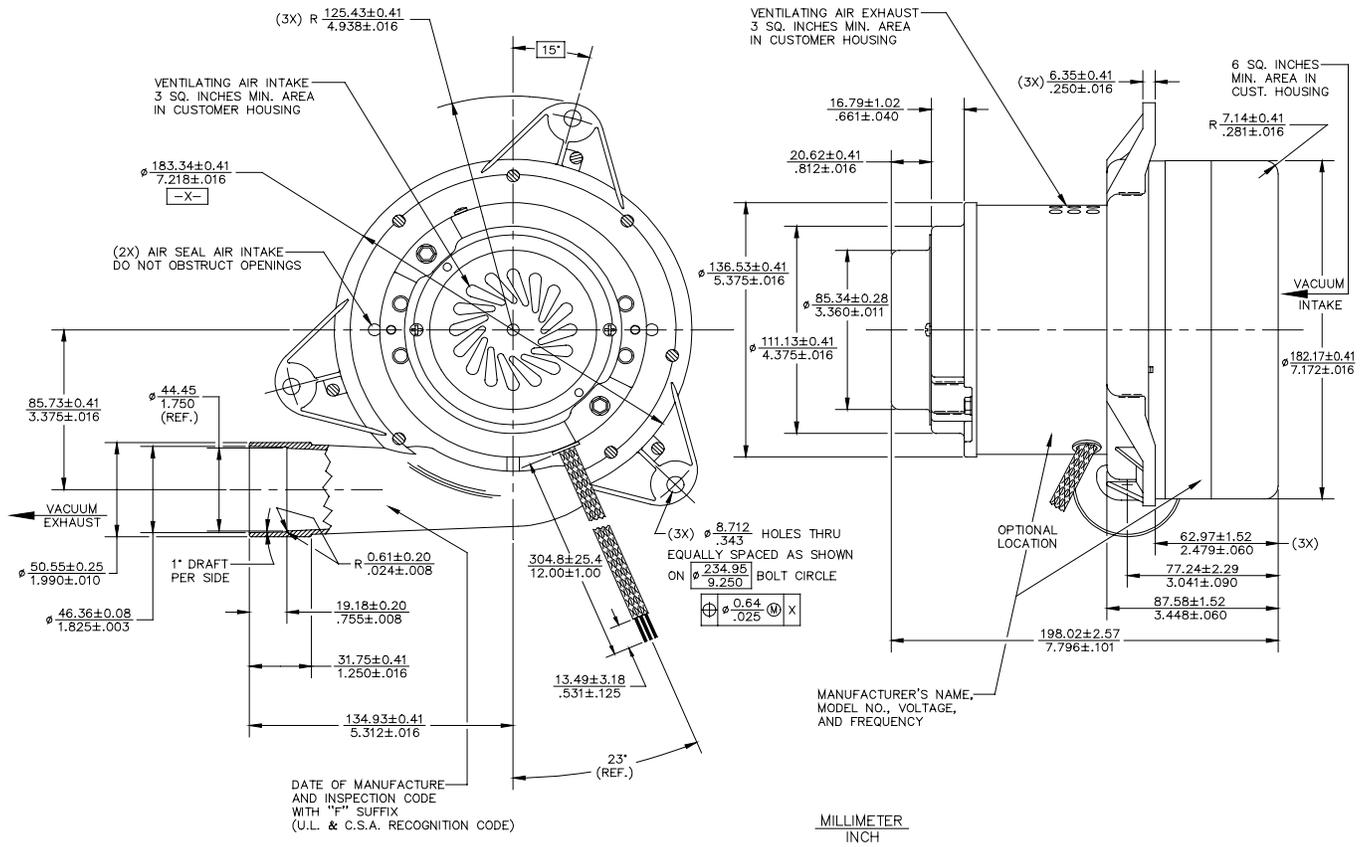
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

<b>Test Specs:</b>	<b>220 volts</b>	<b>Minimum Sealed Vacuum:</b>	<b>105.0"</b>	<b>ORIFICE:</b>	<b>7/8"</b>	<b>Minimum Vacuum:</b>	<b>35.0"</b>	<b>Maximum Watts:</b>	<b>1100</b>
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**DIMENSIONS**

NOTES:

- 1. LEADS: POWER: #16 GA., ONE BLACK, ONE WHITE.
- GROUND: #18 GA., GREEN WITH YELLOW STRIPE.



**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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