



**AMETEK**  
**LAMB ELECTRIC**



**Product Bulletin**

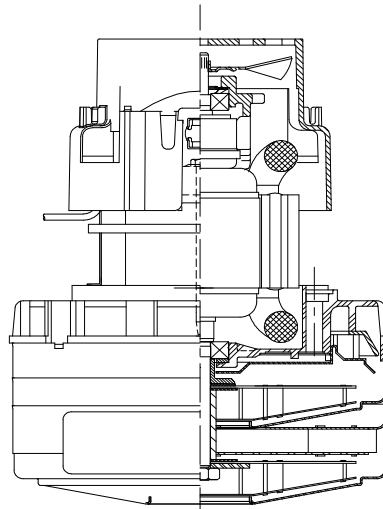
**Model: 122650-00**

**DESCRIPTION**

- 2 Stage Fan System
- 120 volts
- 5.7"/ 145 mm diameter
- Dual ball bearings
- Single speed
- Acustek bypass discharge
- Thermoset fan end bracket
- Thermoset 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



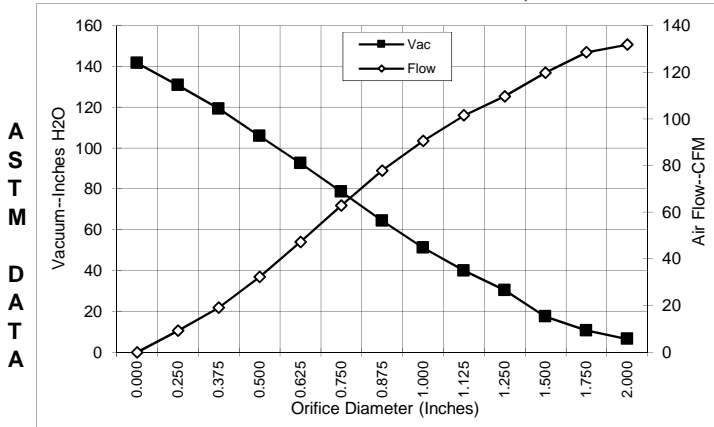
**SPECIAL FEATURES**

- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton frame design
- Tapered fan system
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

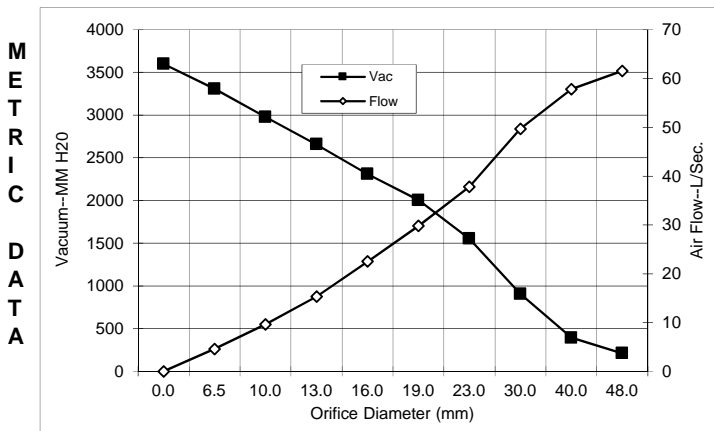
**PEAK AIRWATTS**  
**591**  
Calculated in accordance with ASTM F2105

**TYPICAL MOTOR PERFORMANCE.\***

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



c (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	17.1	1919	23723	6.5	131.8	100
1.750	17.1	1916	23698	10.6	128.5	160
1.500	17.1	1920	23621	17.5	119.8	246
1.250	17.1	1923	23600	30.4	109.7	391
1.125	17.1	1916	23642	39.9	101.5	476
1.000	16.9	1896	24127	51.2	90.5	544
0.875	16.6	1867	24007	64.4	77.8	588
0.750	16.0	1798	24557	78.5	62.9	580
0.625	15.0	1696	25435	92.6	47.3	514
0.500	13.8	1568	26676	105.9	32.3	401
0.375	12.4	1419	28330	119.2	19.2	269
0.250	11.1	1280	29888	130.8	9.2	141
0.000	10.2	1185	31499	141.6	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	17.1	1918	23712	210	61.5	126
40.0	17.1	1919	23644	391	57.8	220
30.0	17.1	1919	23623	905	49.7	438
23.0	16.7	1874	24037	1552	37.8	515
19.0	15.9	1796	24574	2002	29.8	528
16.0	15.0	1700	25400	2310	22.5	470
13.0	13.9	1581	26552	2657	15.3	413
10.0	12.6	1441	28082	2977	9.6	289
6.5	11.2	1287	29810	3307	4.6	148
0.0	10.2	1185	31499	3597	0.0	0

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

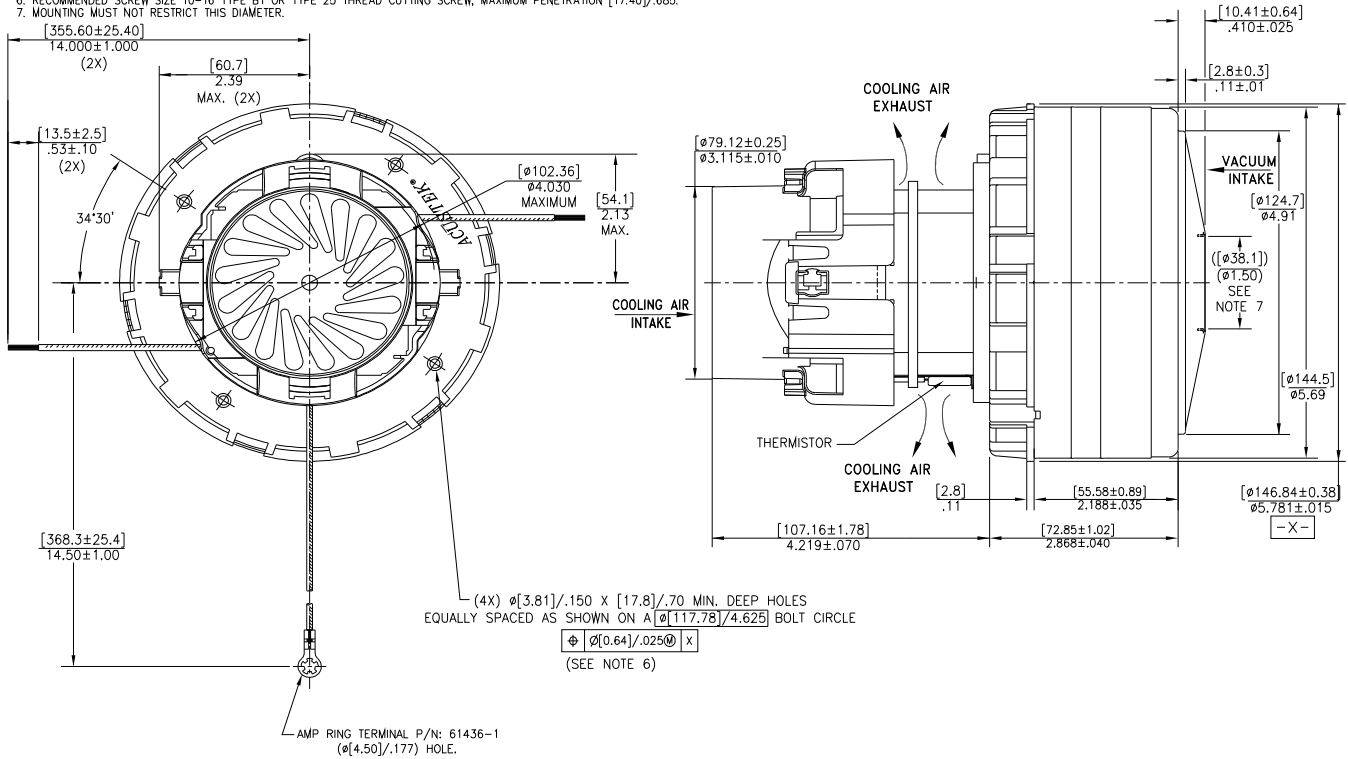
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

<b>Test Specs:</b> 120 volt	<b>Minimum Sealed Vacuum:</b> 124"	<b>ORIFICE:</b> 7/8"	<b>Minimum Vacuum:</b> 57"	<b>Maximum Watts:</b> 1920
-----------------------------	------------------------------------	----------------------	----------------------------	----------------------------

**DIMENSIONS**

**NOTES:**

1. POWER LEADS: 18GA STRANDED. LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE. GROUND LEAD: 18GA STRANDED, GREEN OR GREEN WITH YELLOW STRIPE.
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTOR'S CODE WITH "FF" SUFFIX, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENT INFORMATION "ONE OR MORE OF THE FOLLOWING PATENTS APPLY TO THIS MOTOR: 5482378; 5736805; 4669952; 4684835; 6561772". AND COUNTRY OF ORIGIN.
3. ALLOW [0.0016 SQ MI]/2.5 SQ IN. MIN. FOR COOLING AIR INTAKE.
4. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
5. VACUUM EXHAUST MUST BE SEPARATED FROM COOLING EXHAUST.
6. RECOMMENDED SCREW SIZE 10-16 TYPE BT OR TYPE 25 THREAD CUTTING SCREW, MAXIMUM PENETRATION [17.40]/.685.
7. MOUNTING MUST NOT RESTRICT THIS DIAMETER.



**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 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 motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

**AMETEK Dynamic Fluid Solutions**  
**www.ametekdfs.com**