

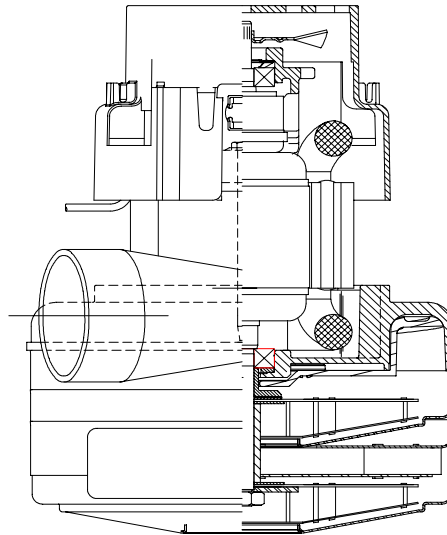


**DESCRIPTION**

- Dual-Tapered Fan System
- Suitable for **115 volts Only**
- 5.7"/ 145 mm diameter
- Dual ball bearings
- Single speed
- Tangential bypass discharge
- Aluminum fan end bracket
- Thermoset Plastic 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



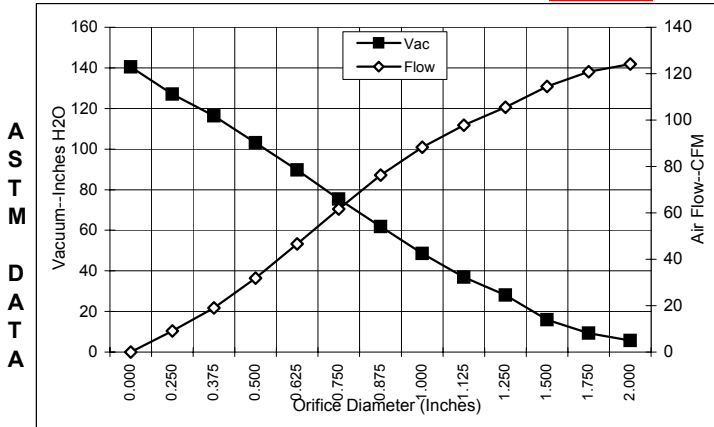
**SPECIAL FEATURES**

- **Suitable for 115 volt AC operation, 50/60 Hz only**
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton frame design
- Dual Tapered fan system
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

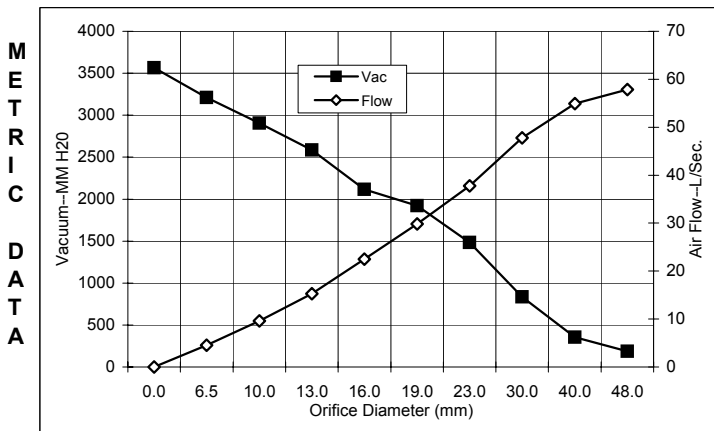
**PEAK AIRWATTS**  
**561**  
Calculated in accordance with ASTM F2105

**TYPICAL MOTOR PERFORMANCE.\***

(At **115 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	15.1	1662	22815	5.7	124.1	83
1.750	15.1	1663	22800	9.3	120.8	132
1.500	15.1	1662	22780	15.9	114.5	214
1.250	15.1	1664	22750	28.0	105.5	348
1.125	15.1	1659	22805	36.9	97.8	425
1.000	14.8	1633	22920	48.5	88.3	504
0.875	14.5	1599	23190	61.8	76.3	554
0.750	14.0	1546	23615	75.4	61.7	547
0.625	13.1	1456	24360	89.7	46.6	492
0.500	12.0	1336	25455	103.1	31.9	387
0.375	10.7	1196	26825	116.4	19.0	261
0.250	9.5	1061	28395	127.0	9.1	137
0.000	8.6	971	29860	140.4	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	15.1	1662	22808	185	57.9	105
40.0	15.1	1662	22786	354	54.9	190
30.0	15.1	1661	22780	836	47.8	390
23.0	14.6	1608	23123	1484	37.8	515
19.0	14.0	1544	23630	1922	29.8	528
16.0	13.2	1459	24330	2115	22.5	470
13.0	12.1	1348	25346	2586	15.3	398
10.0	10.9	1217	26620	2906	9.6	280
6.5	9.5	1068	28317	3212	4.5	143
0.0	8.6	971	29860	3567	0.0	0

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

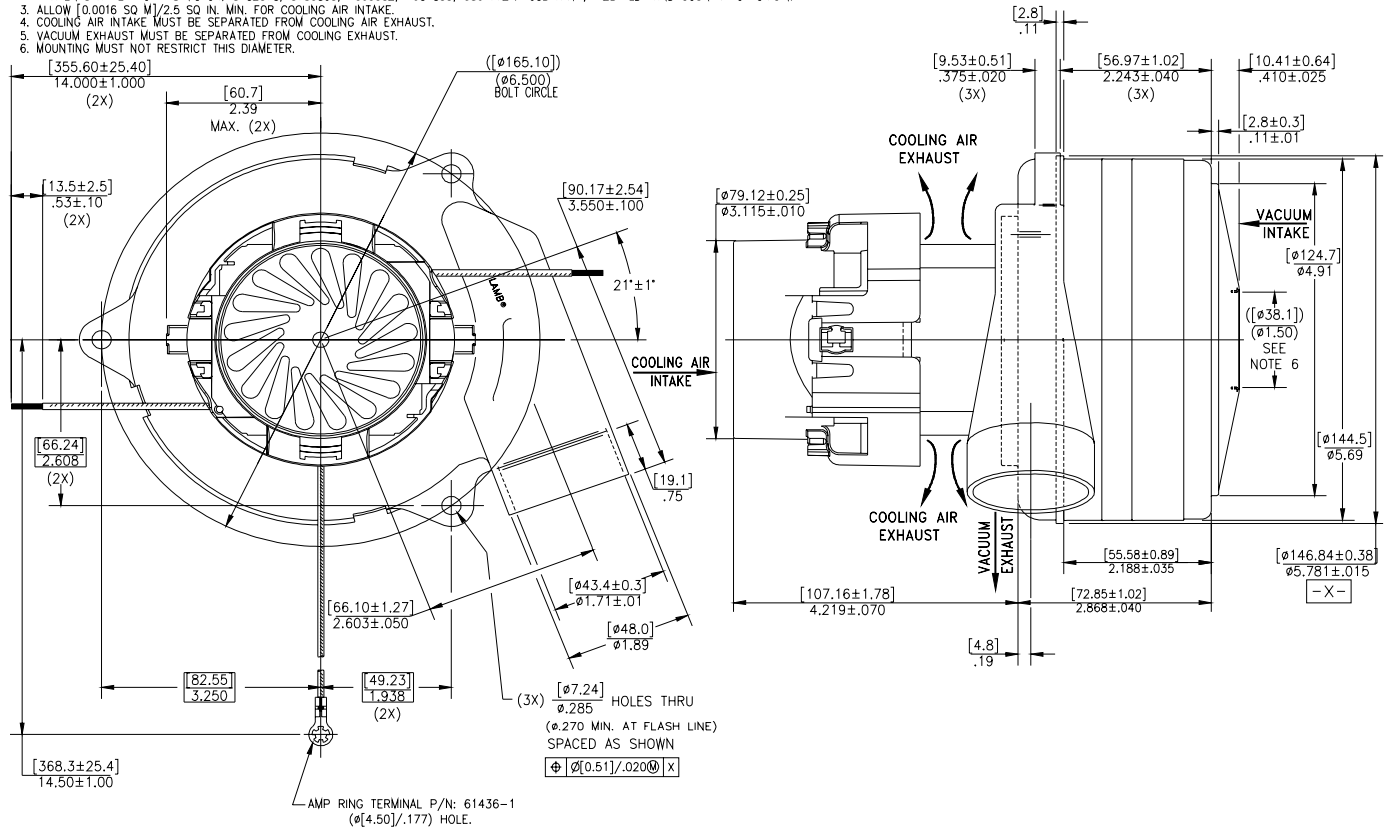
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	120 volt	Minimum Sealed Vacuum: 76	TBA	ORIFICE: 7/8"	Minimum Vacuum:	TBA	Maximum Watts:	TBA
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**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. "08B ARM," "12B FLD" AND COUNTRY OF ORIGIN.
3. ALLOW [0.0016 SQ M]/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. 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.

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