

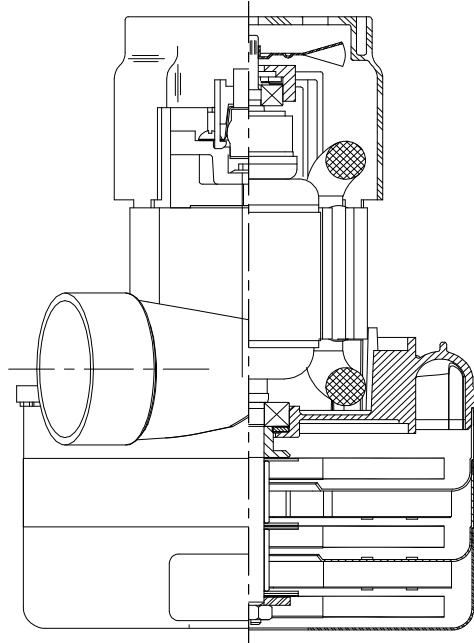


**DESCRIPTION**

- Three stage
- 120 Volt
- 5.7"/145 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

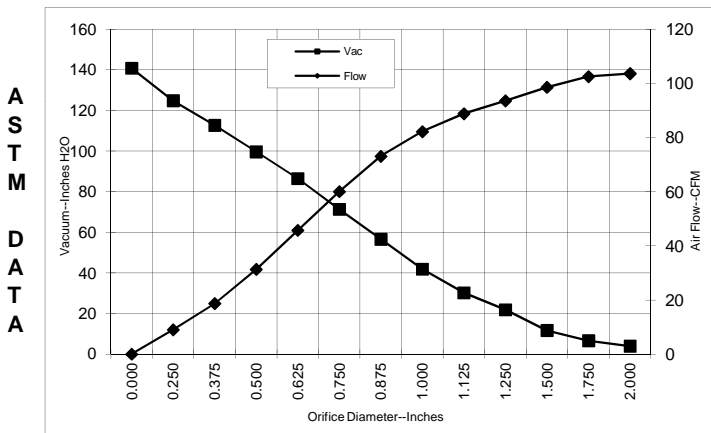


**SPECIAL FEATURES**

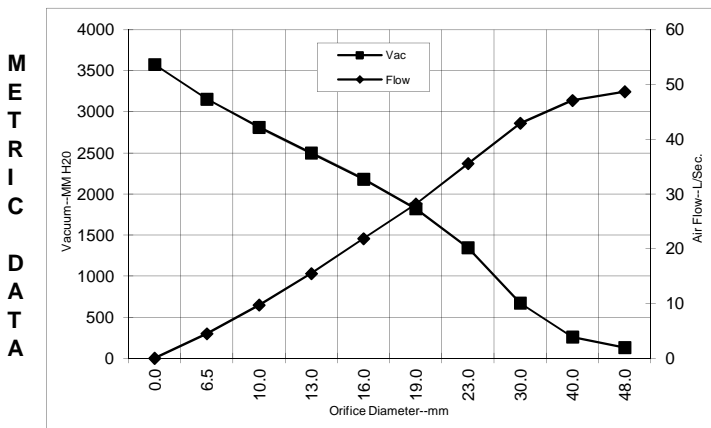
- Suitable for 120 volt AC operation, 50/ 60 Hz
- UL & cUL recognized, category PRGY2 (E47185)
- cUL equivalent to CSA
- Ground wire with terminal
- Open frame design
- 10mm shaft and bearing system
- Aluminum fan end bracket designed to dampen vibration and improve durability
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs
- Thermally protected against locked rotor condition.

**TYPICAL MOTOR PERFORMANCE.\***

(At 120 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	13.4	1528	19718	3.9	103.6	48
1.750	13.5	1534	19699	6.6	102.5	80
1.500	13.5	1536	19677	11.7	98.6	135
1.250	13.5	1539	19638	21.9	93.6	240
1.125	13.5	1542	19589	30.2	88.8	315
1.000	13.6	1547	19579	41.9	82.2	404
0.875	13.5	1537	19600	56.6	73.1	486
0.750	13.2	1505	19831	71.4	60.0	503
0.625	12.5	1430	20358	86.5	45.7	464
0.500	11.4	1316	21205	99.7	31.3	367
0.375	10.4	1201	22257	112.7	18.7	247
0.250	9.4	1089	23353	124.8	9.0	132
0.000	8.6	1012	24367	140.8	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	13.4	1530	19709	130	48.7	62
40.0	13.5	1535	19684	259	47.1	119
30.0	13.5	1541	19611	672	42.9	281
23.0	13.5	1540	19595	1345	35.6	465
19.0	13.1	1503	19841	1820	28.2	502
16.0	12.5	1433	20337	2181	21.9	466
13.0	11.5	1328	21120	2499	15.5	376
10.0	10.5	1219	22099	2813	9.7	265
6.5	9.4	1095	23298	3156	4.5	138
0.0	8.6	1012	24367	3577	0.0	0

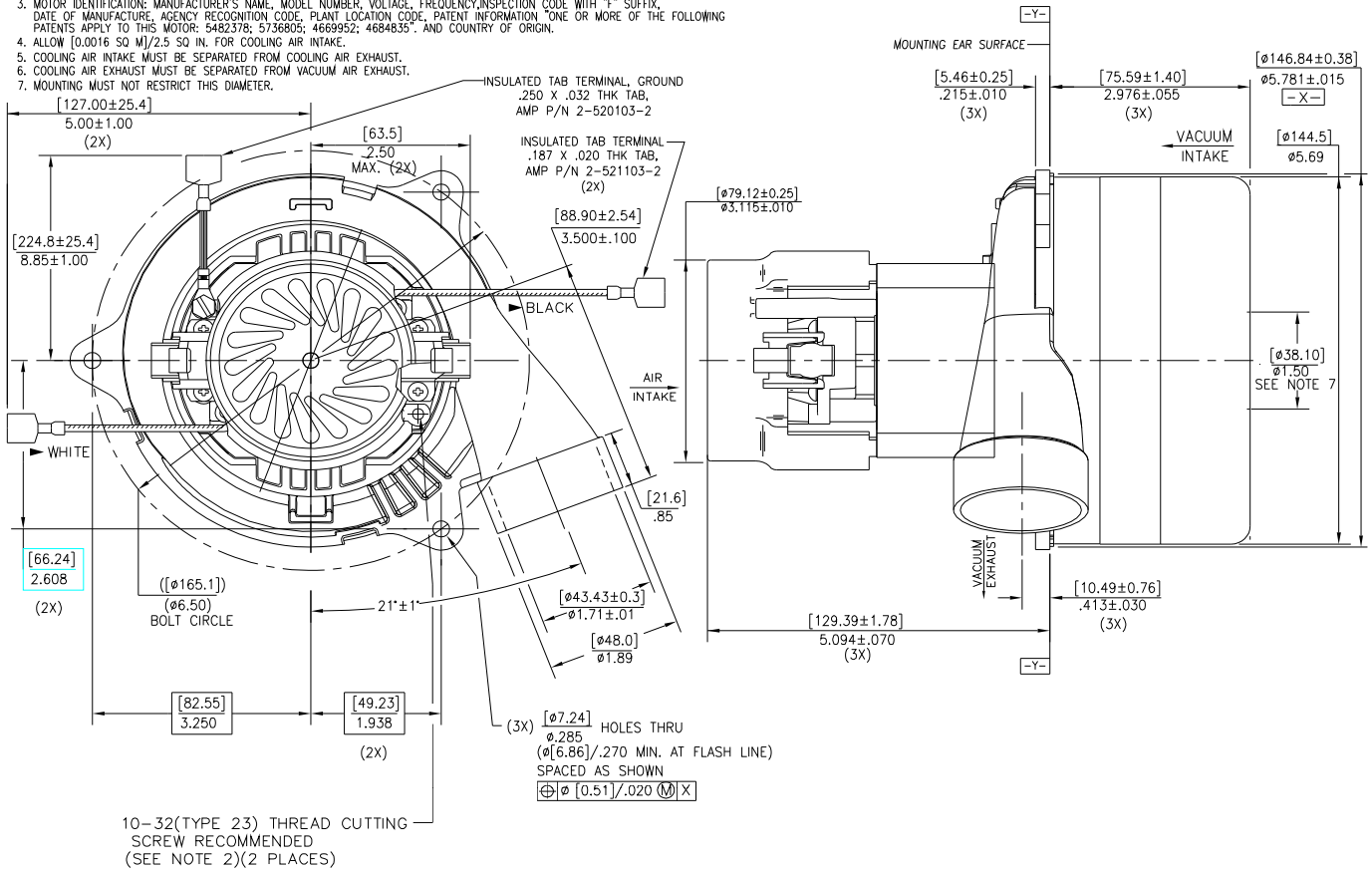
Note: Metric performance data is calculated from the ASTM data above.

\* 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>	120 volts	<b>Minimum Sealed Vacuum:</b>	139.0	<b>ORIFICE:</b>	7/8 "	<b>Minimum Vacuum:</b>	51.0	<b>Maximum Watts:</b>	1550
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**DIMENSIONS**

1. POWER LEADS: 18GA STRANDED. LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE.
2. GROUND LEAD: 18GA STRANDED, GREEN OR GREEN WITH YELLOW STRIPE.
3. GROUNDING OR EARTHING PROVISIONS: USE HOLES AS INDICATED FOR GROUNDING OR EARTHING. REFER TO APPROPRIATE LISTING OR REGULATORY AGENCY FOR PROPER METHOD OF GROUNDING OR EARTHING.
4. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTION CODE WITH "F" 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." AND COUNTRY OF ORIGIN.
5. ALLOW (0.0016 SQ IN)/2.5 SQ IN. FOR COOLING AIR INTAKE.
6. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
7. COOLING AIR EXHAUST MUST BE SEPARATED FROM VACUUM AIR EXHAUST.
8. 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 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.

**AMETEK/Floorcare & Specialty Motors**  
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