

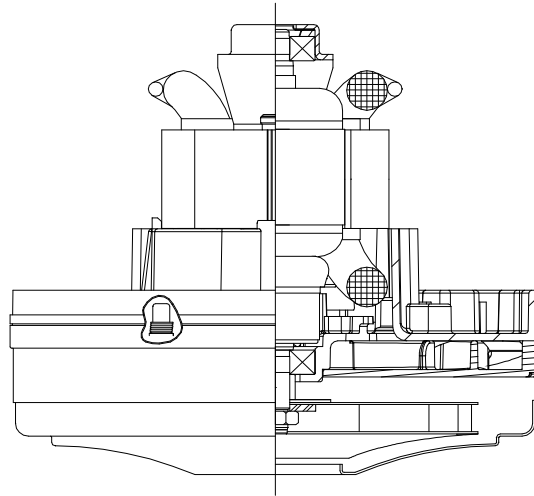


**SPECIAL FEATURES**

- Suitable for 120 volt AC operation, 60 Hz
- UL recognized, category PRGY2 (E47185)
- "Eternity" (curved) Brush Mech
- Provision for grounding
- Skeleton-frame construction
- **Patented Advantek II diffusion**
- **Tapered high efficiency fan system**
- 120 Deg C Thermal Device
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

**DESCRIPTION**

- Single stage
- 120 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Thru-flow discharge
- Thermo-set fan end bracket
- Stamped steel end bracket



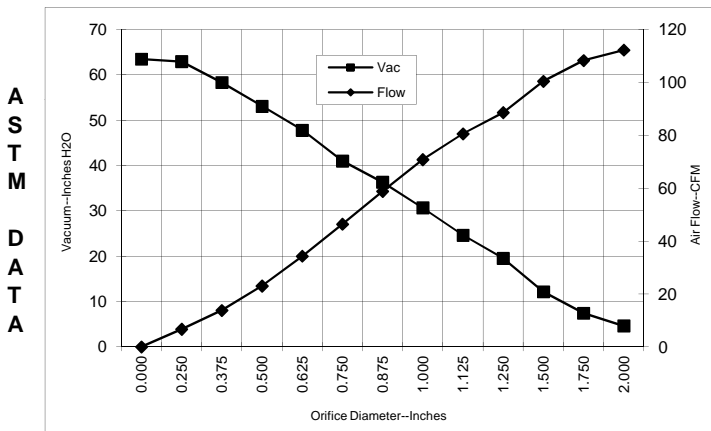
**DESIGN APPLICATION**

- Equipment operating in environments not requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

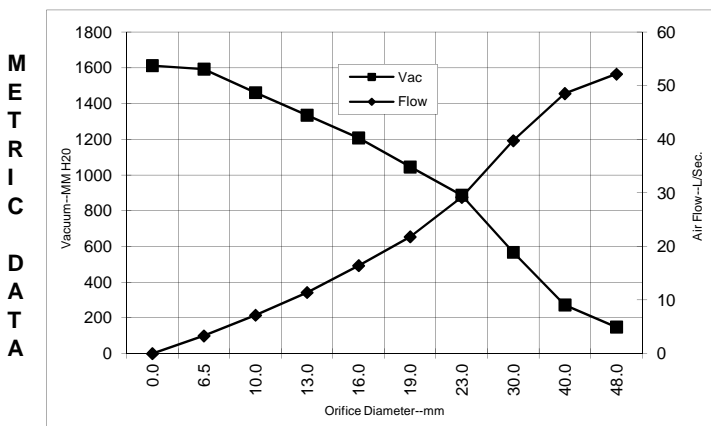


**TYPICAL MOTOR PERFORMANCE.\***

(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	5.8	655	20962	4.6	112.3	61
1.750	5.8	653	20962	7.4	108.3	95
1.500	5.8	654	20963	12.2	100.5	143
1.250	5.5	626	21154	19.5	88.6	203
1.125	5.5	623	21361	24.6	80.6	233
1.000	5.4	612	21754	30.7	70.8	255
0.875	5.1	580	22216	36.3	58.9	251
0.750	4.8	545	22961	41.0	46.4	229
0.625	4.4	510	23948	47.8	34.3	192
0.500	4.1	469	25130	53.1	23.0	143
0.375	3.7	429	26326	58.3	13.8	94
0.250	3.4	399	27511	63.0	6.7	49
0.000	3.2	672	28262	63.5	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	5.8	654	20962	149	52.2	76
40.0	5.8	653	20963	273	48.5	129
30.0	5.5	624	21268	567	39.7	219
23.0	5.2	588	22101	887	29.2	252
19.0	4.7	544	22981	1045	21.8	228
16.0	4.4	511	23909	1207	16.4	194
13.0	4.1	473	25012	1335	11.4	148
10.0	3.7	435	26147	1462	7.2	102
6.5	3.4	400	27452	1593	3.3	52
0.0	3.2	672	28262	1612	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.

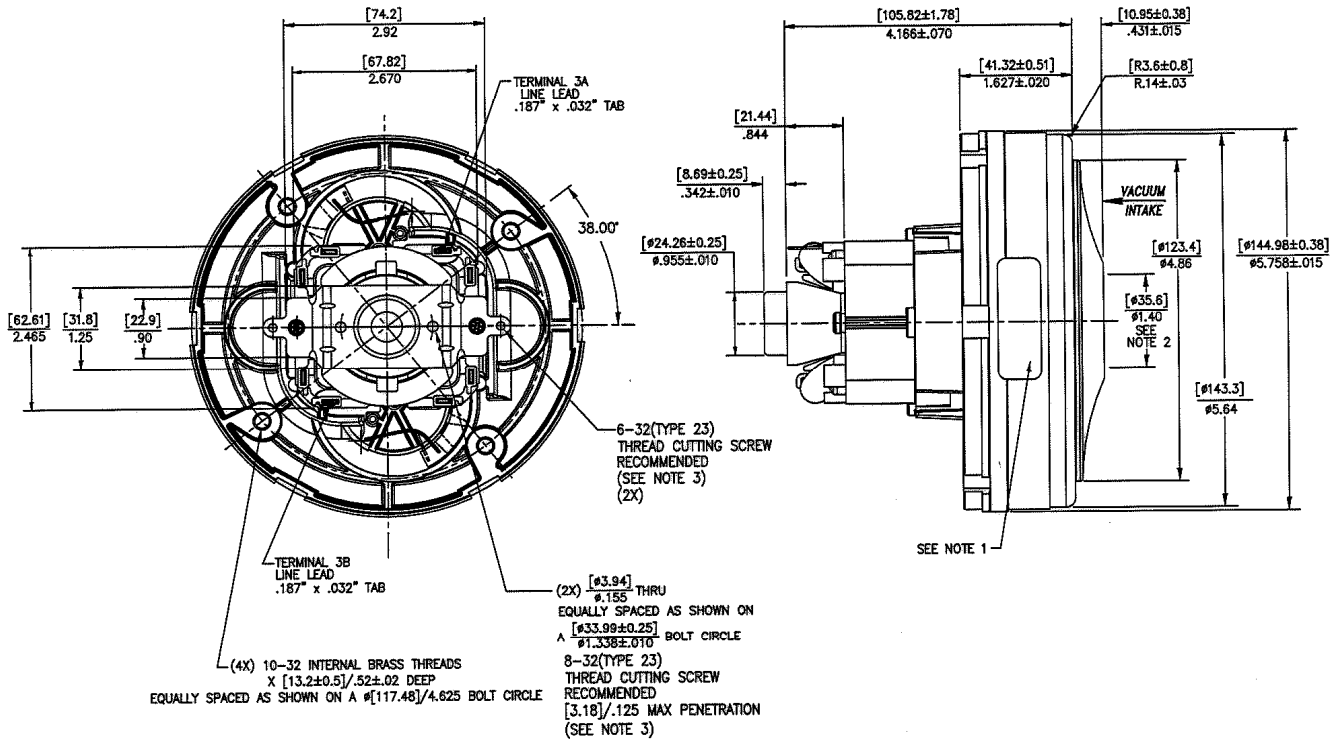
Test Specs: 120 volts	Minimum Sealed Vacuum: 58"	ORIFICE: 7/8 "	Minimum Vacuum: 34"	Maximum Watts: 650
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**DIMENSIONS**

**NOTES:**

1. MODEL NUMBER, DATE OF MANUFACTURE, PLANT LOCATION CODE, AGENCY RECOGNITION CODE, INSPECTOR'S CODE, MANUFACTURER'S NAME, VOLTAGE AND FREQUENCY, AND CUSTOMER'S PART NO. TO APPEAR ON MOTOR.
2. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
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.



**IMPORTANT NOTE:** Pictorial and dimensional data are subject to change without notice. Contact factory for current revision levels.

**WARNING** - AMETEK Lamb Electric thru-flow vacuum motors must never be used in applications in which wet or moist conditions are involved, where dry chemicals or other volatile materials are present, or where airflow may be restricted or blocked. Such motors are designed to permit the vacuumed air to pass over the electrical winding to cool it. Thus any foam, liquid (including water), dry chemical, or other foreign substance coming in contact with electrical conductors could cause combustion (depending on volatility) or electrical shock. Failure to observe these precautions could result in property damage and severe personal injury, including death in extreme cases. All applications incorporating Lamb Electric motors should be submitted to Underwriters Laboratories Inc. or other appropriate organizations or agencies for testing specifically related to the safety of your equipment.

**AMETEK/Floorcare & Specialty Motors**  
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