

**Lamb®**  
5.7" Thru-Flow Advantek Vacuum Motors

**Model: 122445-00**

**MECHANICAL**

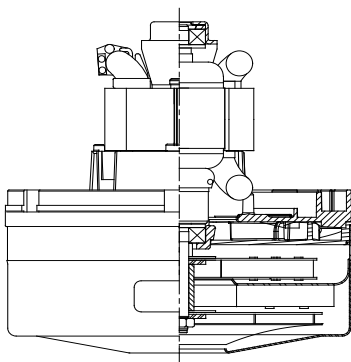
**DIAMETER:** 5.7" (145mm)  
**DISCHARGE TYPE:** Thru-flow  
**DISCHARGE:** Thru-flow

**PERFORMANCE**

**STAGES:** 2  
**SPEED:** Single

**DESIGN APPLICATIONS**

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



**ELECTRICAL**

**OPERATING INPUT VOLTAGE:** 120 volts AC

**FEATURES**

- Patented "Eternity" brush mech for 1500+ hours life
- Provision for grounding
- Skeleton-frame construction
- High Efficiency fan system
- Self-Hold Thermal Device

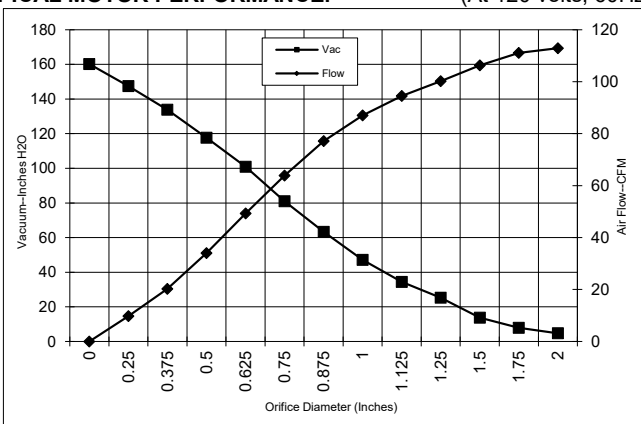
**REGULATORY CERTIFICATIONS**

RU recognized, category PRGY2 (E47185).  
Class B (E56617).

**TYPICAL MOTOR PERFORMANCE.\***

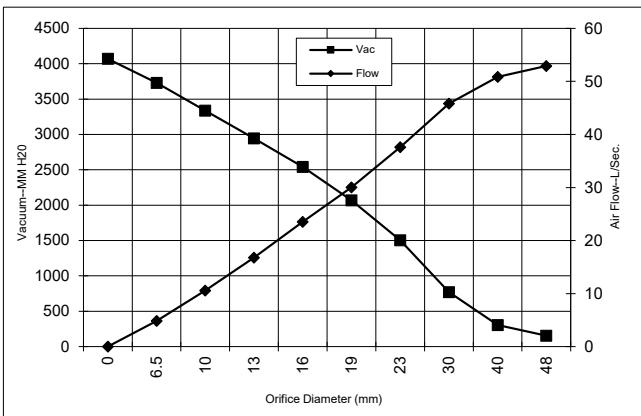
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

**ASTM DATA**



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	9.7	1098	22010	4.6	112.3	61
1.750	9.7	1085	21870	7.5	108.6	95
1.500	9.9	1112	21913	12.7	102.6	153
1.250	9.9	1115	21628	23.0	95.6	259
1.125	10.1	1135	21679	30.6	89.3	320
1.000	10.1	1133	21630	40.4	80.8	382
0.875	10.0	1127	21772	52.1	70.2	429
0.750	9.7	1094	22063	63.6	56.8	424
0.625	9.1	1030	22783	74.5	42.5	372
0.500	8.4	952	23789	84.4	28.9	286
0.375	7.6	860	25078	95.2	17.3	193
0.250	6.9	786	26186	103.6	8.3	84
0.000	6.4	731	27193	110.4	0.0	0

**METRIC DATA**



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	9.7	1092	21948	149	52.2	76
40.0	9.8	1104	21900	283	49.3	136
30.0	10.0	1126	21656	690	43.5	293
23.0	10.0	1129	21737	1249	34.4	417
19.0	9.7	1093	22077	1621	26.7	423
16.0	9.1	1033	22754	1881	20.3	374
13.0	8.5	960	23688	2118	14.3	294
10.0	7.7	874	24885	2377	9.0	207
6.5	6.9	790	26131	2622	4.1	89
0.0	6.4	731	27193	2804	0.0	0

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

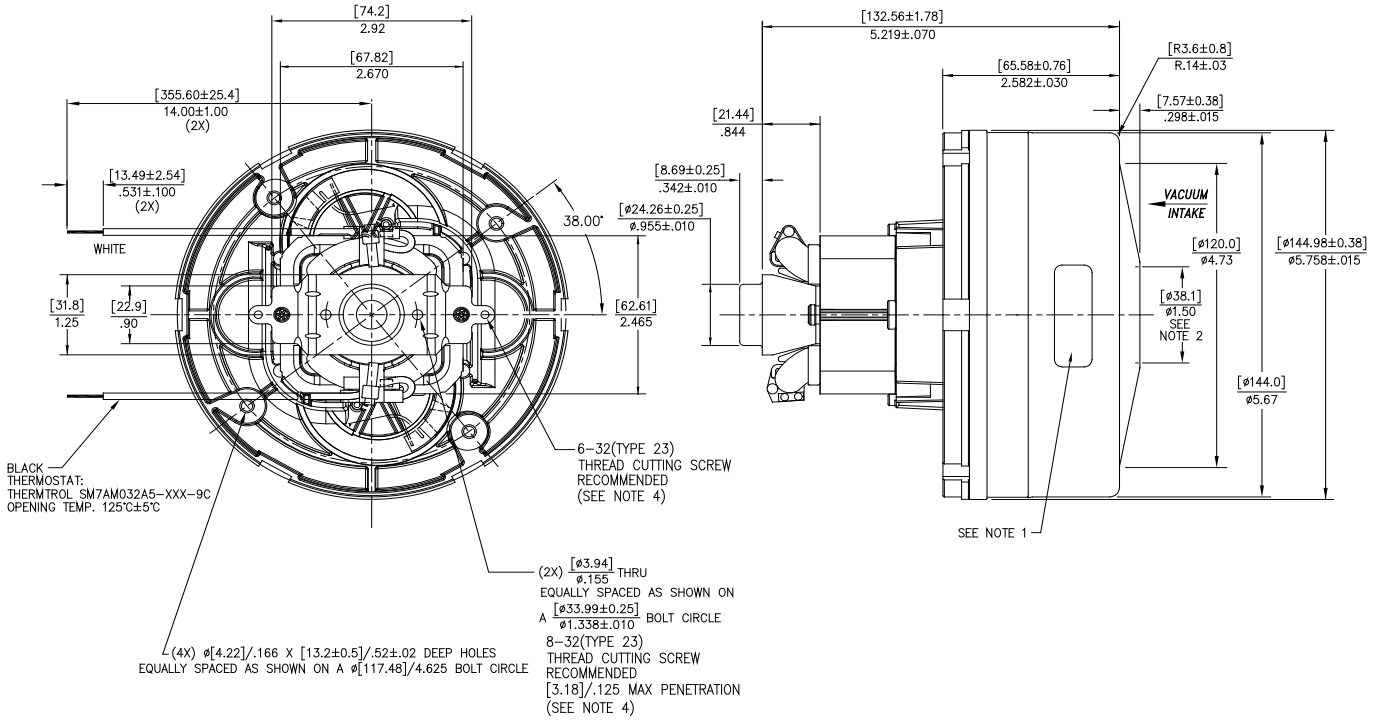
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

<b>Test Specs:</b>	120-Volts	<b>Minimum Sealed Vacuum:</b>	104.0	<b>ORIFICE:</b>	7/8"	<b>Min. Vacuum:</b>	47.0	<b>Maximum Watts:</b>	1185
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Lamb® | Nautilair® | Prestolite Motors | ROTRON® | Windjammer®

NOTES:

1. MODEL NUMBER, DATE OF MANUFACTURE, PLANT LOCATION CODE, AGENCY RECOGNITION CODE, INSPECTOR'S CODE, MANUFACTURER'S NAME, VOLTAGE AND FREQUENCY, INSULATION SYSTEM "08B ARM, 02F FLD" TO APPEAR ON MOTOR.
2. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
3. POWER LEADS: 18GA STRANDED.
4. 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** - 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 AMETEK Lamb motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

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