

**AMETEK****LAMB ELECTRIC****Advantek II - Plus****Product Bulletin****Model: 122111-00****SPECIAL FEATURES**

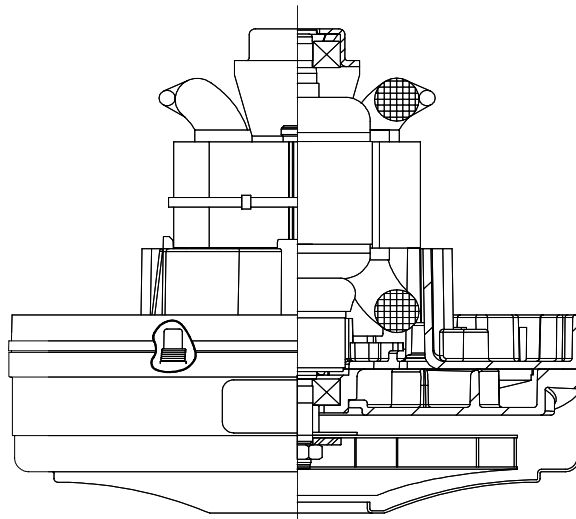
- Suitable for 120 volt AC operation, 60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame construction
- **Patented Advantek II diffusion**
- **Tapered high efficiency fan system**
- **Self Hold (7AM) thermal device**
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

AIR WATT™
S E R I E S**DESCRIPTION**

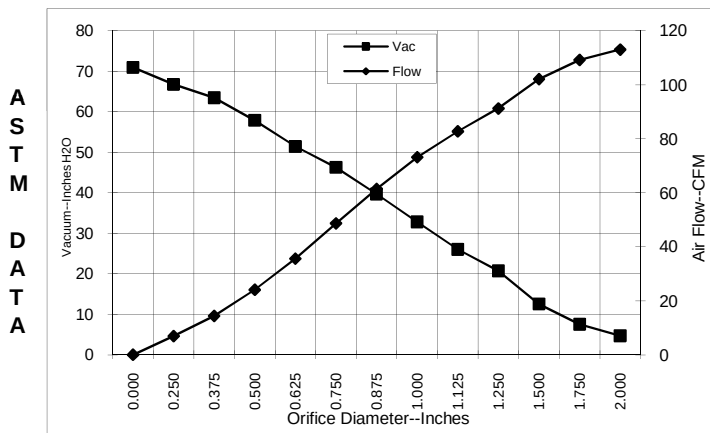
- One stage
- 120 volts
- 5.7"145 mm diameter
- Ball/ Ball bearings
- Single speed
- Thru-flow discharge
- Thermoset fan end bracket
- Steel End-bracket

DESIGN APPLICATION

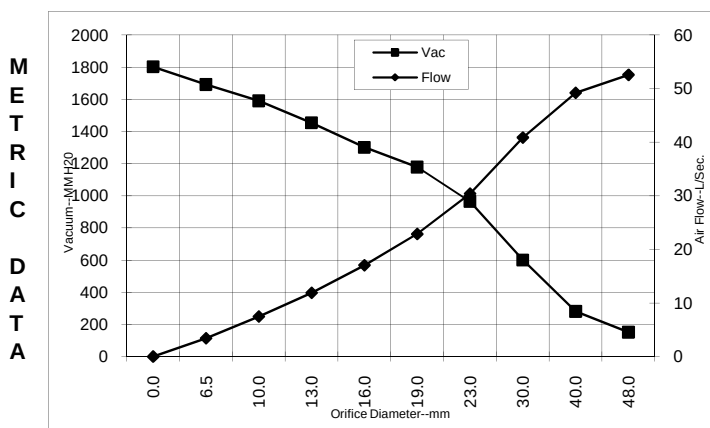
- Equipment operating in environments not requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

**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.H2O)	Flow (CFM)	Air Watts
2.000	6.6	756	21815	4.7	113.1	63
1.750	6.6	759	21755	7.6	109.3	97
1.500	6.7	783	22050	12.6	102.1	151
1.250	6.7	775	22325	20.7	91.3	223
1.125	6.6	765	22555	26.0	82.8	254
1.000	6.4	745	22900	32.8	73.2	283
0.875	6.2	719	23615	39.7	61.5	287
0.750	5.8	684	24430	46.3	48.7	265
0.625	5.4	637	25600	51.5	35.6	215
0.500	5.0	585	26975	57.9	24.1	164
0.375	4.6	545	28210	63.5	14.4	107
0.250	4.3	504	29495	66.8	6.9	54
0.000	4.1	483	30930	71.0	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	6.6	757	21789	151	52.6	78
40.0	6.7	776	21962	281	49.2	135
30.0	6.6	769	22452	601	40.9	240
23.0	6.2	726	23436	965	30.4	286
19.0	5.8	683	24453	1178	22.9	264
16.0	5.4	639	25553	1302	17.1	217
13.0	5.0	590	26838	1454	11.9	169
10.0	4.7	551	28025	1591	7.5	116
6.5	4.3	506	29431	1692	3.4	57
0.0	4.1	483	30930	1802	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.

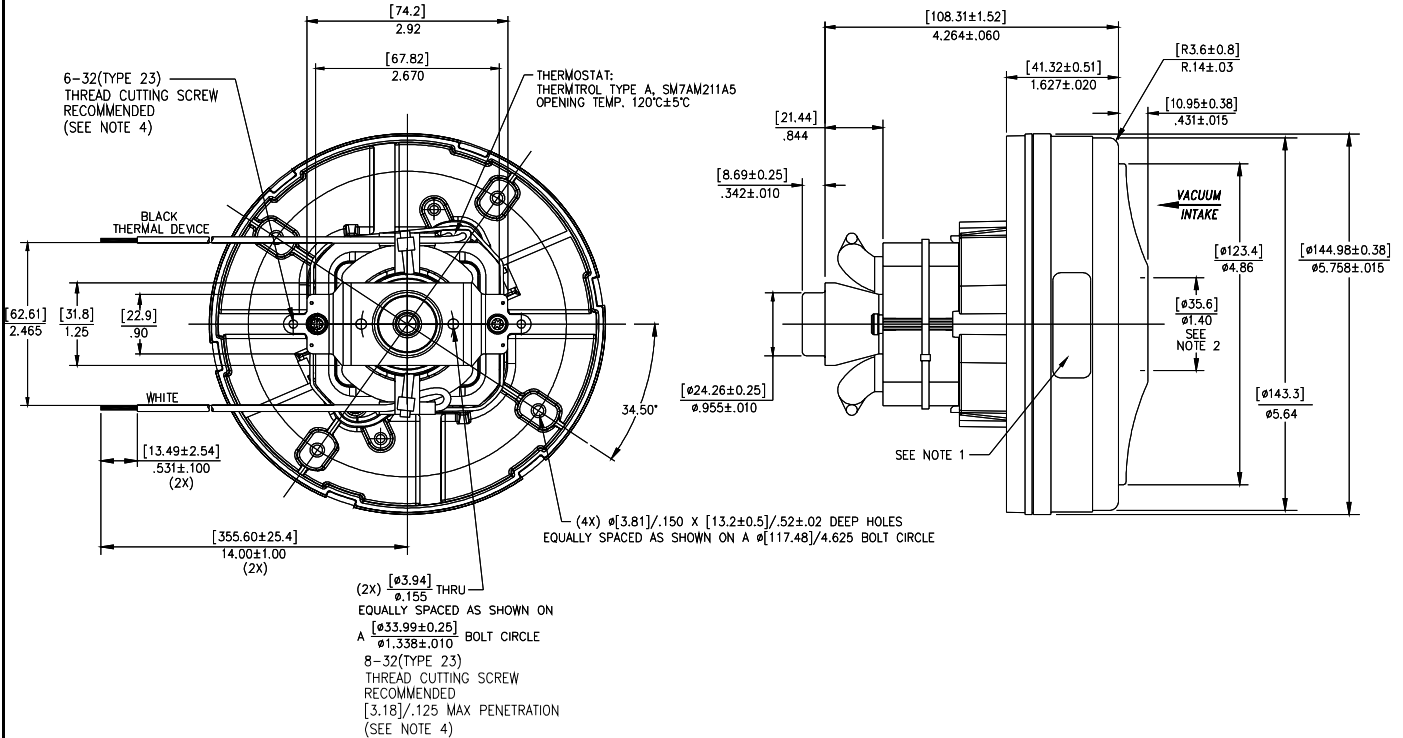
Test Specs:	120 volts	Minimum Sealed Vacuum:	66.0	ORIFICE:	7/8"	Minimum Vacuum:	36.0	Maximum Watts:	769
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DIMENSIONS

NOTES:

1. MODEL NUMBER, DATE OF MANUFACTURE, PLANT LOCATION CODE, AGENCY RECOGNITION CODE, INSPECTOR'S CODE, MANUFACTURER'S NAME, "US PATENT: US 6,703,754 B1", VOLTAGE AND FREQUENCY, AND CUSTOMER'S PART NO. TO APPEAR ON MOTOR.
2. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
3. 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.



Advantek II - Plus

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.

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