



LAMB ELECTRIC

Advantek II - Ultra

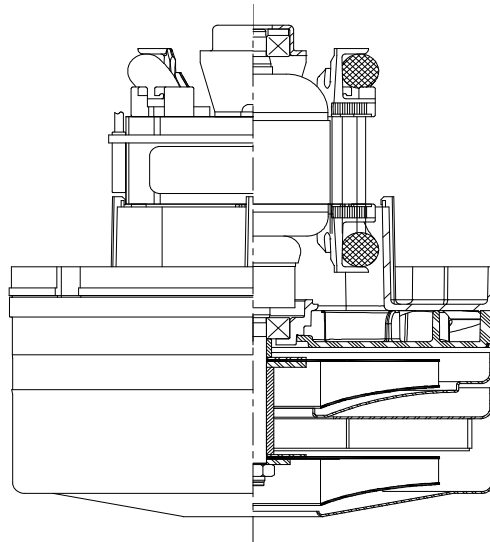
Model: 122287-00

DESCRIPTION

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



SPECIAL FEATURES

- Suitable for 120 volt AC operation, 60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame construction
- Tapered High efficiency fan system
- 135 Deg C Thermal Device
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design



TYPICAL MOTOR PERFORMANCE.*

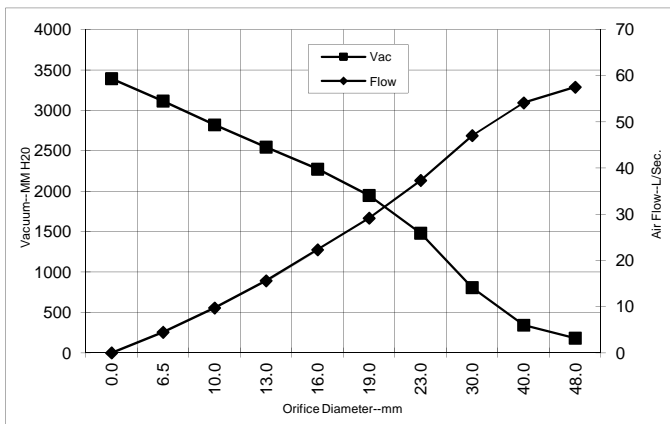
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68°F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	13.2	1542	23960	5.7	123.8	83
1.750	13.2	1529	23945	9.1	119.5	128
1.500	13.1	1517	23950	15.4	112.7	204
1.250	12.8	1489	23955	27.0	103.8	330
1.125	12.8	1489	23975	35.7	96.3	404
1.000	12.7	1475	24220	47.6	87.5	490
0.875	12.5	1451	24465	61.9	76.3	555
0.750	11.9	1390	25050	76.4	62.1	557
0.625	11.2	1305	26040	90.1	46.7	494
0.500	10.1	1173	27095	101.4	31.6	376
0.375	8.9	1046	28680	112.8	18.7	248
0.250	8.1	958	30400	123.2	9.0	130
0.000	7.5	891	31900	133.6	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	13.2	1536	23953	182	57.5	103
40.0	13.1	1521	23949	343	54.2	181
30.0	12.8	1489	23966	807	47.0	371
23.0	12.5	1457	24404	1481	37.3	539
19.0	11.9	1388	25070	1948	29.2	556
16.0	11.2	1308	26000	2275	22.3	497
13.0	10.2	1186	26990	2547	15.6	388
10.0	9.1	1065	28442	2822	9.7	267
6.5	8.2	962	30314	3116	4.5	136
0.0	7.5	891	31900	3393	0.0	0

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

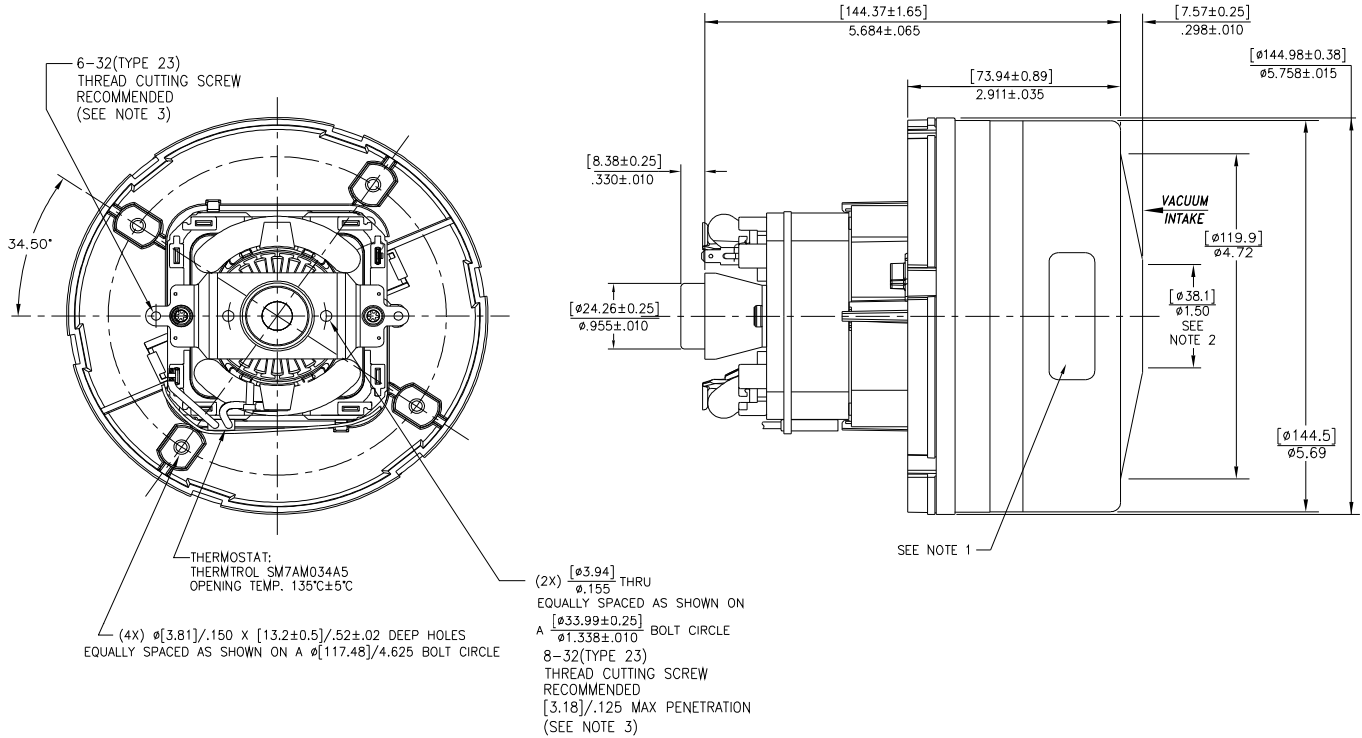
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	120 volts	Minimum Sealed Vacuum:	123.0	ORIFICE:	7/8 "	Minimum Vacuum:	59"	Maximum Watts:	1470
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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. 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.

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