AMETEK

Product Bulletin

LAMB ELECTRIC
Specialty Motors Division

Model: 122045-00

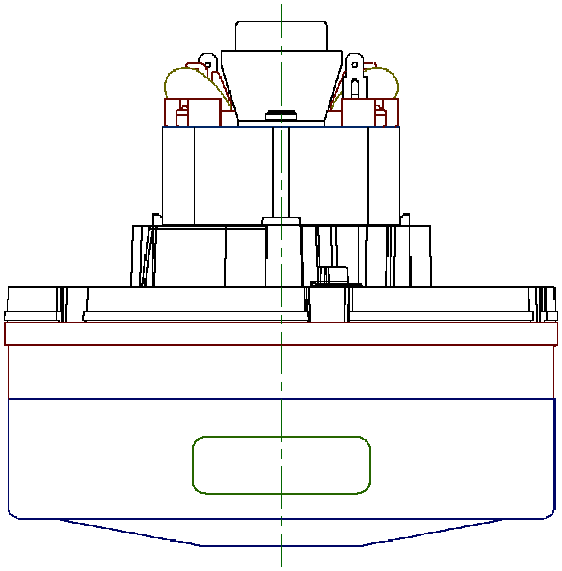
ADVANTEK SPA

DESCRIPTION

- Two stage
- 240 volts
- 5.7"/145 mm diameter
- Double Ball bearing system
- Single speed
- Thru-flow discharge
- Thermoset 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



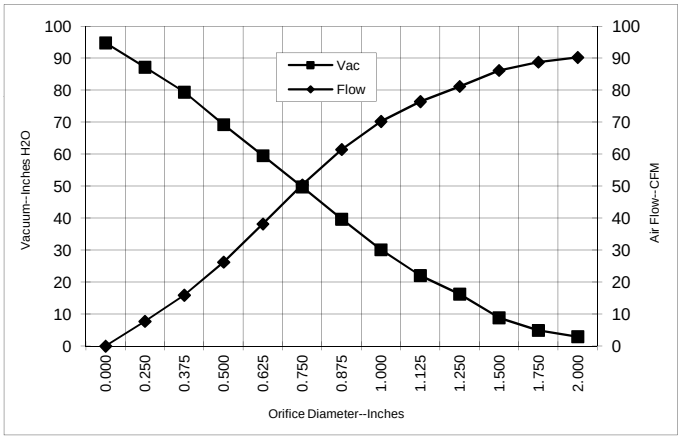
SPECIAL FEATURES

- Suitable for 240 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding per UL 1563
- CSA certified, class 1611 01 (LR31393)
- Skeleton-frame construction
- **Patented Advantek diffusion**
- **Dual Tapered high efficiency fan system**
- **Self Hold thermal device**

TYPICAL MOTOR PERFORMANCE.*

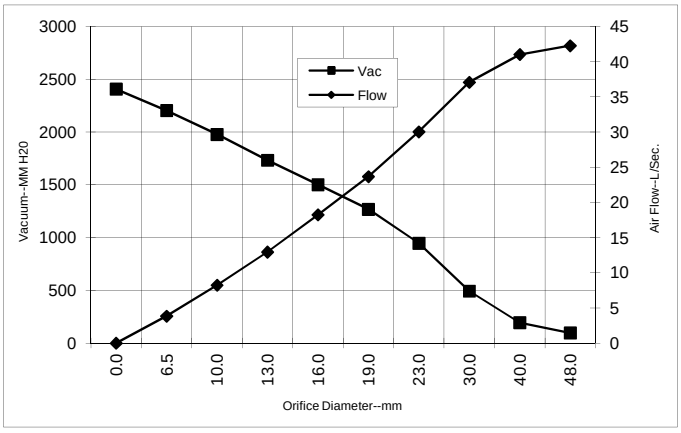
(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68°F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	3.3	766	19820	3.0	90.2	31
1.750	3.3	769	19810	4.9	88.8	51
1.500	3.3	771	19790	8.9	86.2	90
1.250	3.3	769	19660	16.3	81.2	155
1.125	3.4	774	19730	22.1	76.4	198
1.000	3.4	773	19690	30.1	70.2	249
0.875	3.4	771	20040	39.7	61.5	287
0.750	3.2	748	20110	49.8	50.4	295
0.625	3.1	710	20680	59.5	38.2	267
0.500	2.8	657	21610	69.3	26.3	214
0.375	2.6	598	22910	79.4	15.9	149
0.250	2.3	548	24030	87.2	7.7	79
0.000	2.2	512	25100	94.8	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	3.3	767	19816	97	42.3	40
40.0	3.3	770	19796	195	41.0	78
30.0	3.4	772	19699	494	37.1	179
23.0	3.4	772	19953	947	30.0	277
19.0	3.2	747	20121	1269	23.7	294
16.0	3.1	712	20657	1502	18.3	269
13.0	2.9	662	21517	1734	13.0	219
10.0	2.6	607	22715	1978	8.2	158
6.5	2.4	551	23974	2205	3.8	83
0.0	2.2	512	25100	2408	0.0	0

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

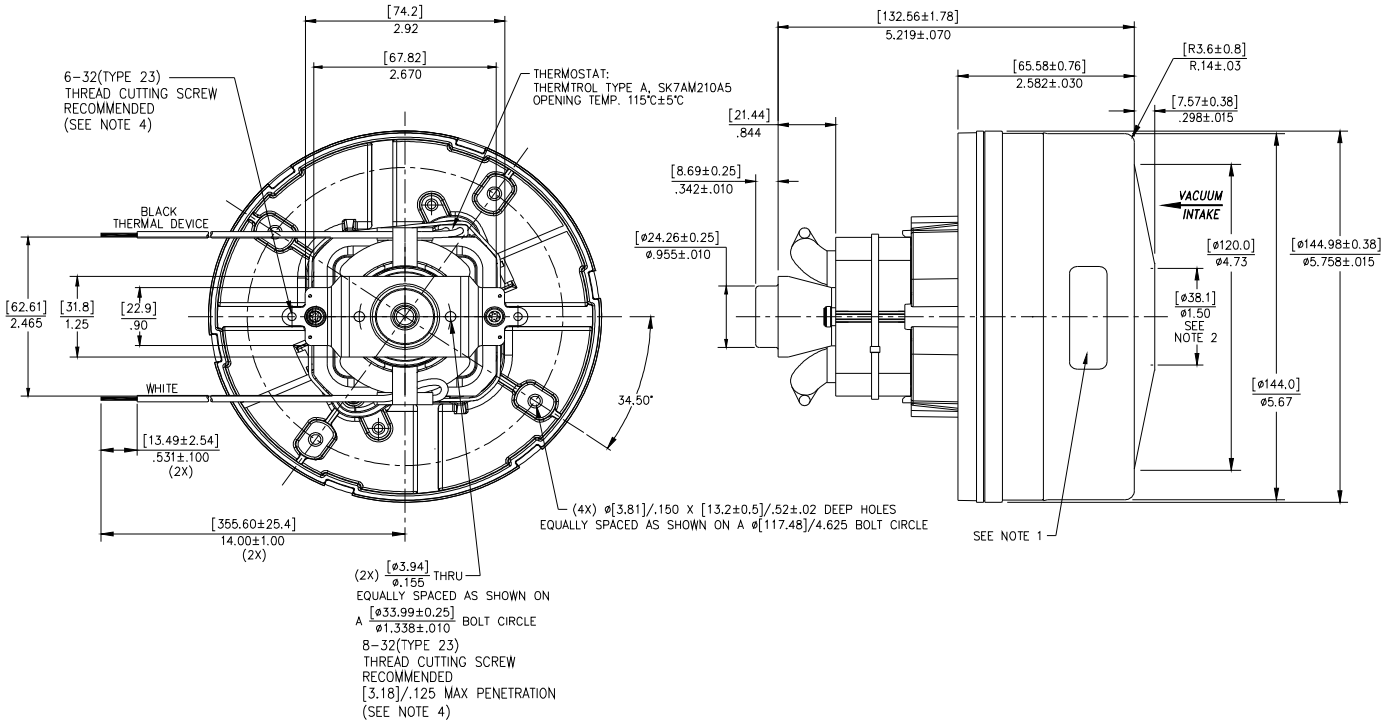
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	120 volts	**Minimum Sealed Vacuum:**	TBD	**ORIFICE:**	7/8 "	**Minimum Vacuum:**	TBD	**Maximum Watts:**	TBD

PRODUCT BULLETIN **122045-00**

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.



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/Lamb Electric
Specialty Motors Division
627 Lake Street
Kent, Ohio 44240
U.S.A.
Tel: (330) 673-3451 Fax: (330) 677-3888
www.ametekspecialtymotors.com

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