



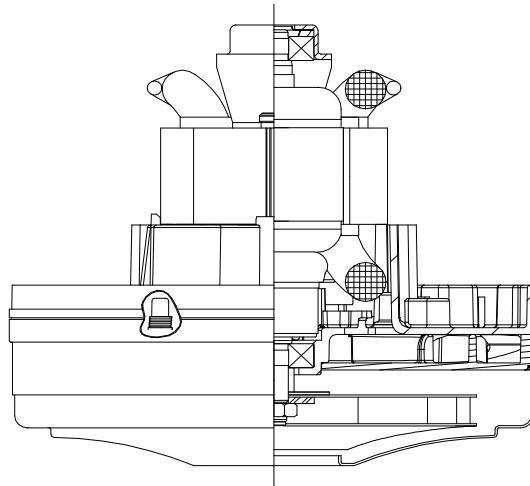
Advantek II - Plus

DESCRIPTION

- One stage
- 120 volts
- 5.7"/145mm diameter
- Ball/Ball bearing system
- 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



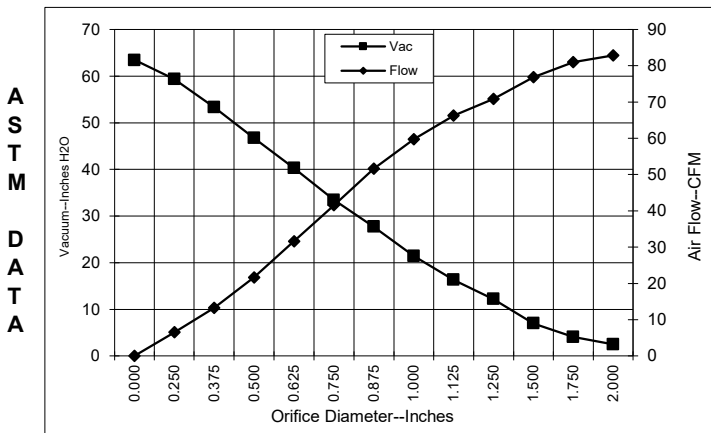
SPECIAL FEATURES

- Suitable for 120 volt AC operation 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 system**
- **Tapered high efficiency fan system**
- **Self Hold thermal device**

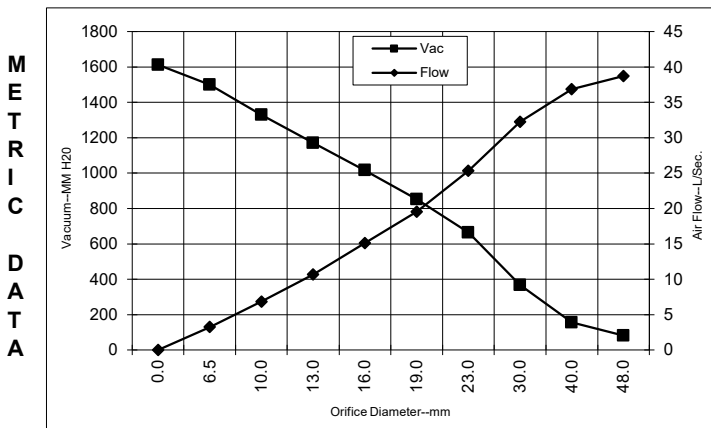


TYPICAL MOTOR PERFORMANCE.*

(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	4.0	465	20,248	2.5	82.8	24
1.750	4.0	468	20,223	4.1	81.0	39
1.500	4.0	468	20,199	7.0	76.8	63
1.250	4.0	470	20,199	12.2	70.8	101
1.125	4.0	469	20,223	16.3	66.3	127
1.000	4.0	467	20,297	21.4	59.7	150
0.875	3.9	459	20,543	27.7	51.6	168
0.750	3.8	447	20,985	33.4	41.6	163
0.625	3.6	427	21,722	40.3	31.6	149
0.500	3.4	403	22,754	46.7	21.6	119
0.375	3.1	369	24,130	53.3	13.2	83
0.250	2.9	345	25,457	59.3	6.5	45
0.000	2.7	325	26,686	63.4	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	4.0	467	20237	81	38.7	31
40.0	4.0	468	20206	155	36.9	56
30.0	4.0	469	20212	367	32.2	115
23.0	3.9	461	20481	664	25.3	163
19.0	3.8	447	21000	852	19.5	163
16.0	3.6	427	21693	1016	15.1	150
13.0	3.4	405	22651	1170	10.7	122
10.0	3.2	374	23924	1329	6.8	88
6.5	2.9	346	25391	1499	3.2	47
0.0	2.7	325	26686	1611	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.

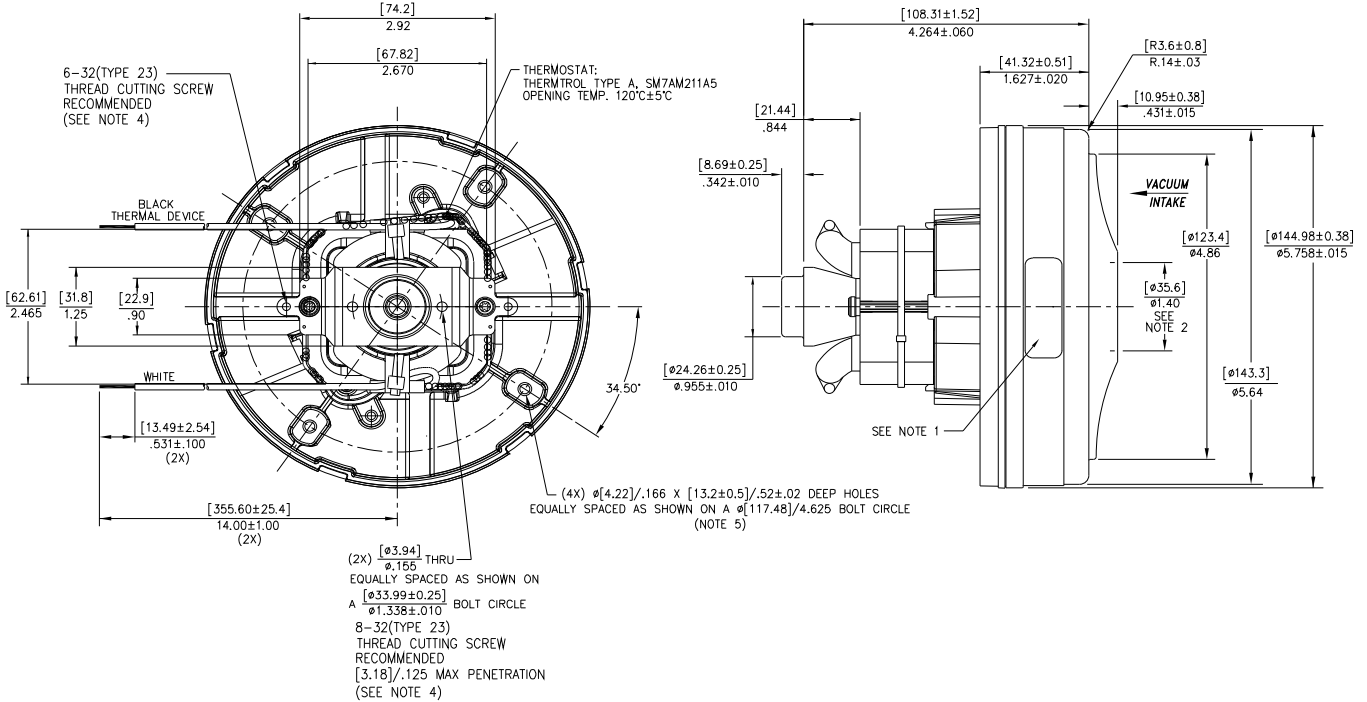
Test Specs:	120 volts	Minimum Sealed Vacuum:	57.5"	ORIFICE:	7/8"	Minimum Vacuum:	26.4"	Maximum Watts:	492
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DIMENSIONS

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 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.
5. RECOMMENDED SCREW SIZE 10-16 TYPE BT OR TYPE 25 THREAD CUTTING SCREW. MAXIMUM PENETRATION $[12.83]/.505$.



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/Dynamic Fluid Solutions
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