AMETEK

Product Bulletin

Floorcare & Specialty Motors

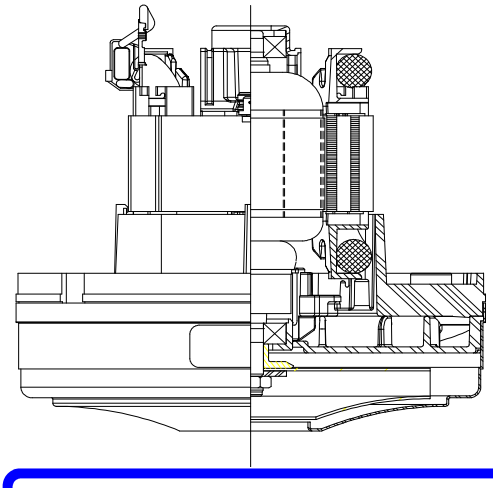
Model: 122251-00

DESCRIPTION

- One stage
- 120 volts
- 5.7"/145 mm diameter
- Double ball bearings
- 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



Advantek III - Ultra

SPECIAL FEATURES

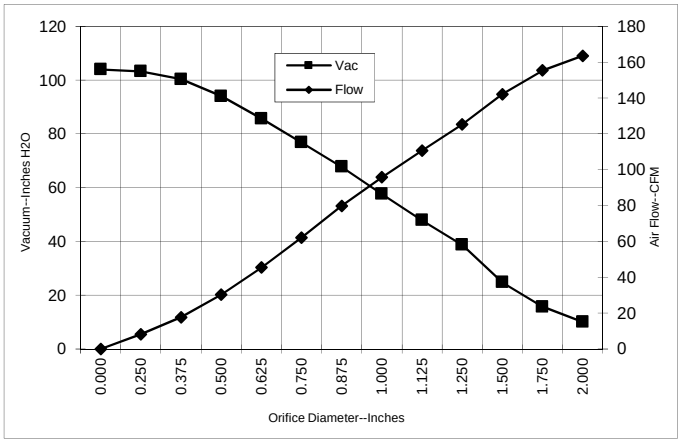
- 650 **Peak Air Watts**
- Patented Advantek III diffusion
- 3" Commercial Lamination
- Provision for grounding
- Top end monunting boss
- Thermal Device
- UL recognized, category PRGY2 (E47185)
- Suitable for 120 volt AC operation, 50 or 60 Hz

PEAK AIRWATTS
650
Calculated in accordance with ASTM F2105

TYPICAL MOTOR PERFORMANCE.*

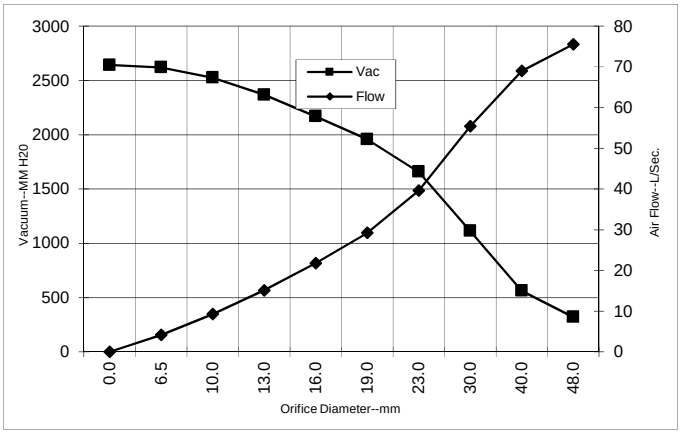
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	14.9	1625	29444	10.1	163.6	194
1.750	15.0	1622	29442	15.8	155.4	288
1.500	14.8	1620	29539	24.9	142.1	416
1.250	14.2	1609	29774	38.8	125.3	572
1.125	13.8	1599	30104	47.9	110.7	625
1.000	13.5	1578	30533	57.7	95.8	650
0.875	12.6	1537	31276	67.8	79.8	637
0.750	11.9	1451	32160	76.9	62.2	563
0.625	11.0	1345	33570	85.7	45.5	459
0.500	9.8	1233	34104	94.0	30.4	337
0.375	9.0	1101	36562	100.3	17.7	209
0.250	8.3	1016	37539	103.3	8.3	101
0.000	8.2	926	38563	104.0	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	14.9	1624	29444	320	75.5	236
40.0	14.9	1620	29510	562	69.0	377
30.0	14.0	1603	29955	1113	55.4	601
23.0	12.9	1547	31090	1658	39.6	640
19.0	11.8	1449	32188	1957	29.2	561
16.0	11.0	1349	33514	2168	21.8	463
13.0	9.9	1244	34051	2367	15.1	349
10.0	9.1	1121	36193	2524	9.2	228
6.5	8.4	1020	37490	2619	4.1	106
0.0	8.2	926	38563	2642	0.0	0

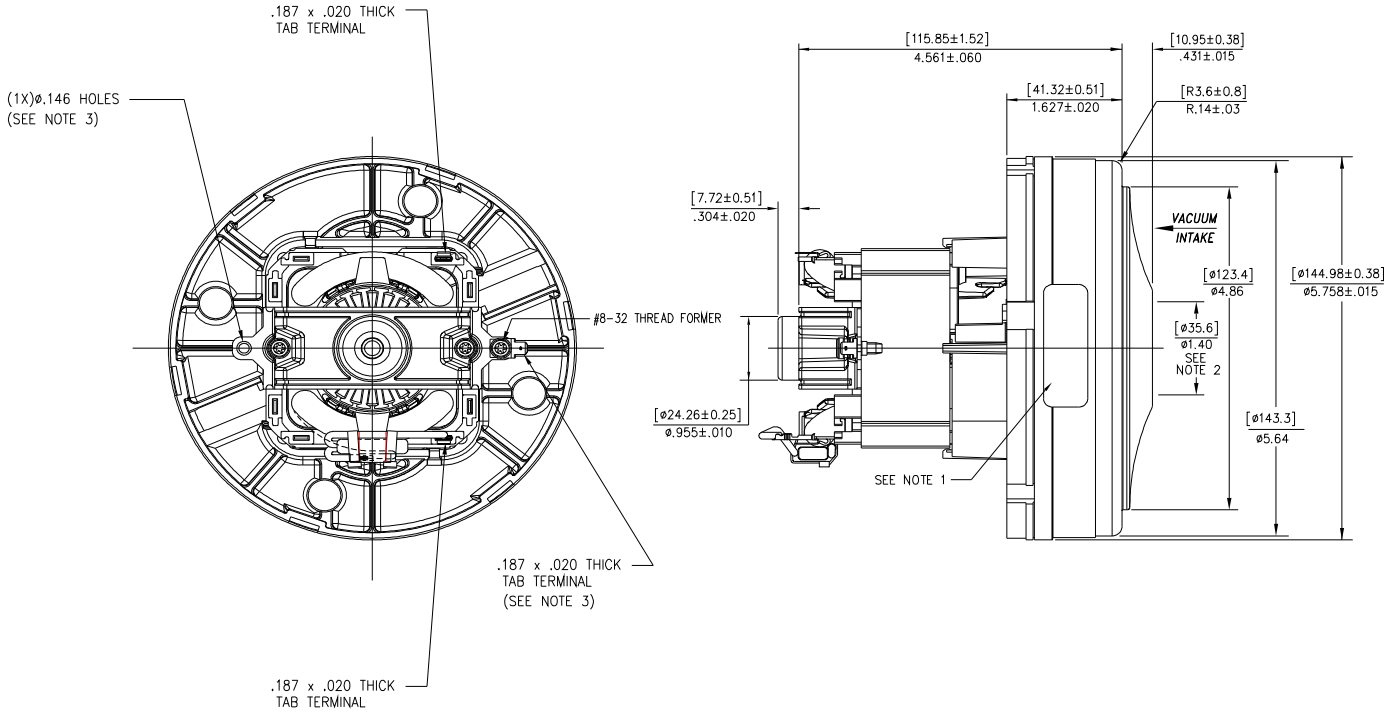
Note: Metric Performance data is calculated from the ASTM data above.

* 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:**	99"	**ORIFICE:**	7/8 "	**Minimum Vacuum:**	64"	**Maximum Watts:**	1550

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 TAB 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 Floorcare & Specialty Motors 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/Floorcare & Specialty Motors
www.ametekfsm.com

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