AMETEK

LAMB ELECTRIC

Product Bulletin

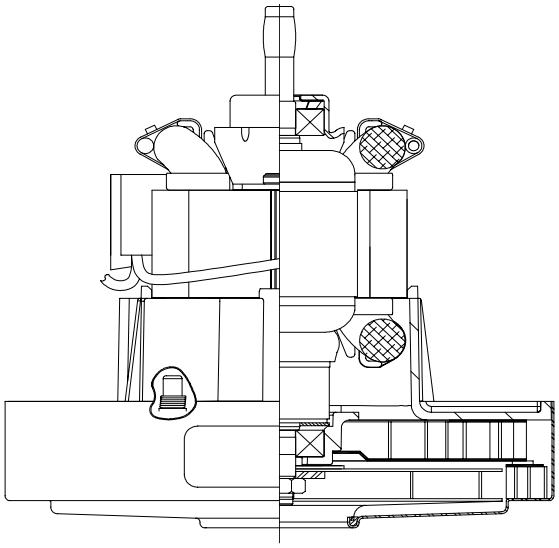
Model: 122072-00

DESCRIPTION

- One stage
- 120 volts
- 5.4" 132 mm diameter
- Double ball bearings
- Single speed
- Thru-flow discharge
- Thermoset fan/comm 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

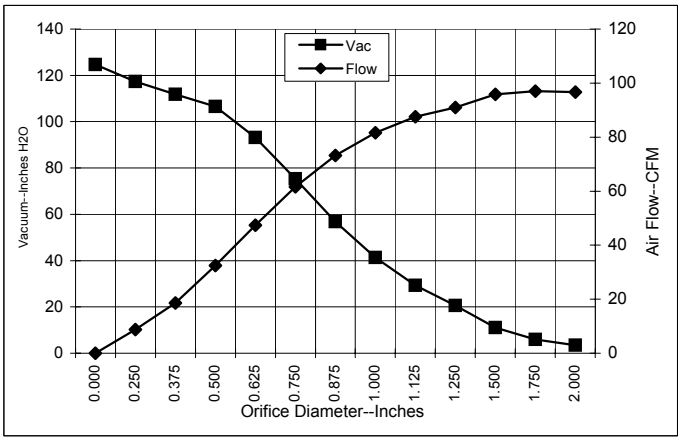


SPECIAL FEATURES

- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- Thermal Device
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs
- Line Suppression capacitor

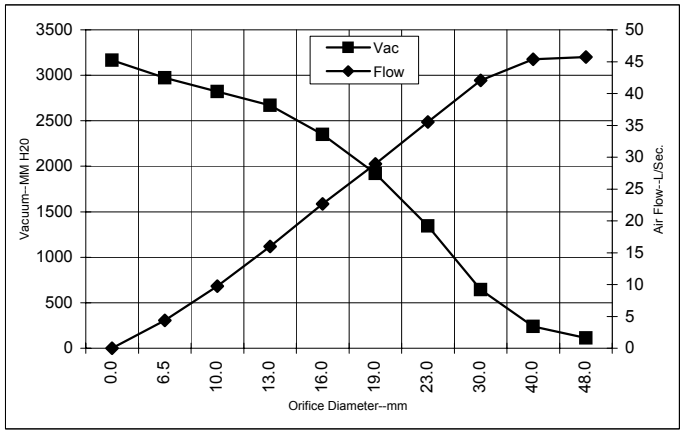
TYPICAL MOTOR PERFORMANCE.* (At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	12.8	1489	30170	3.4	96.7	39
1.750	12.7	1480	30270	5.9	97.0	67
1.500	12.7	1476	30370	11.0	95.8	124
1.250	12.5	1458	30570	20.6	91.0	221
1.125	12.4	1440	30770	29.3	87.5	301
1.000	12.1	1410	31170	41.3	81.6	396
0.875	11.7	1366	31770	56.8	73.2	488
0.750	11.1	1293	32670	75.3	61.6	544
0.625	10.1	1189	34060	93.2	47.4	519
0.500	9.2	1089	35860	106.5	32.4	405
0.375	8.4	992	37660	111.8	18.6	244
0.250	7.8	928	39160	117.3	8.8	121
0.000	7.2	860	10960	124.6	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	12.8	1485	30214	114	45.7	51
40.0	12.7	1477	30340	241	45.4	107
30.0	12.4	1448	30680	645	42.0	265
23.0	11.8	1377	31620	1344	35.5	465
19.0	11.0	1291	32698	1922	28.9	544
16.0	10.2	1193	34004	2349	22.6	520
13.0	9.3	1099	35680	2671	16.0	416
10.0	8.5	1007	37390	2820	9.8	268
6.5	7.8	931	39085	2972	4.4	127
0.0	7.2	860	10960	3165	0.0	0

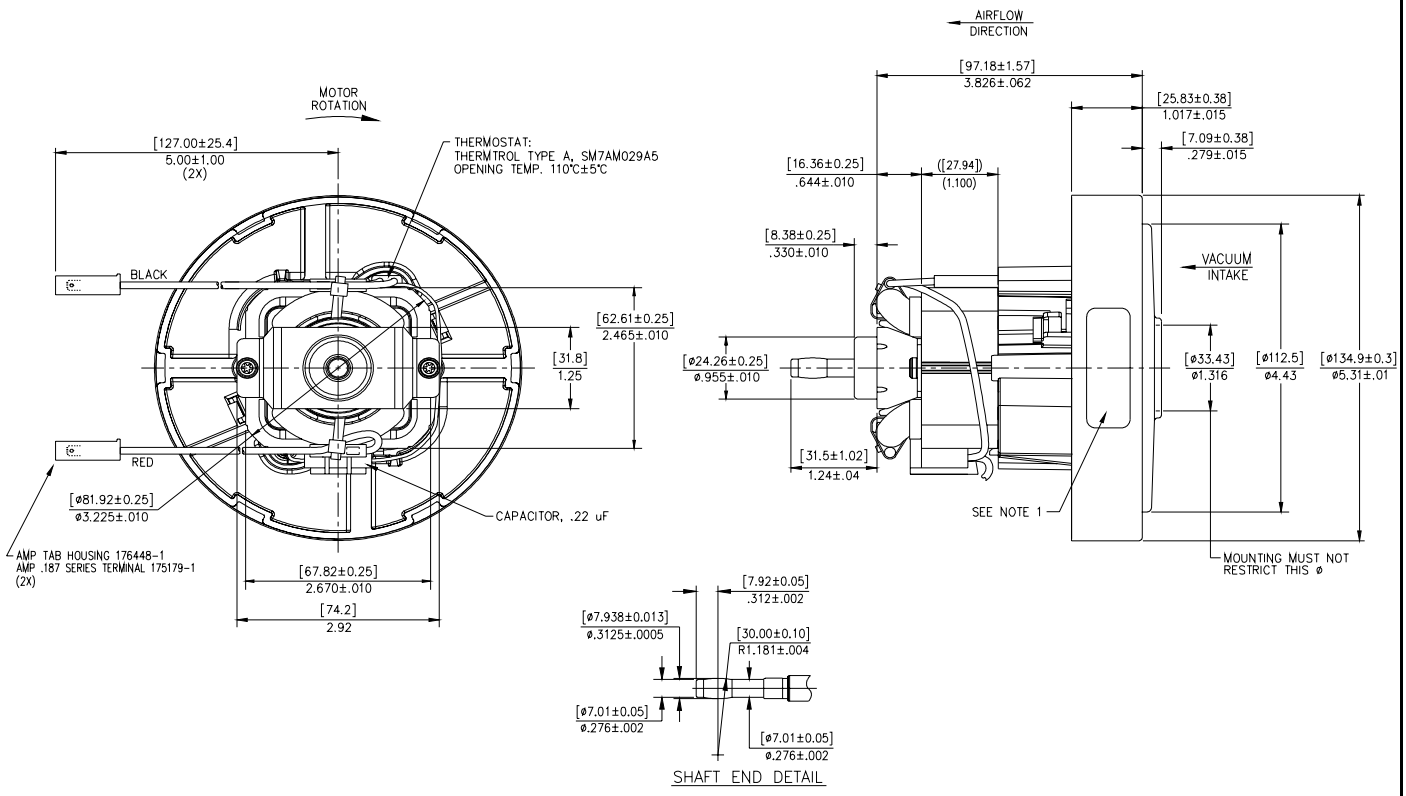
Note: Metric performance data is calculated from the ASTM data above.

* 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:	230 volts	Minimum Sealed Vacuum:	ORIFICE:	Minimum Vacuum:	Maximum Watts:

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 & PATENTS PENDING", VOLTAGE AND FREQUENCY, AND CUSTOMER'S PART NO. TO APPEAR ON MOTOR.



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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