AMETEK

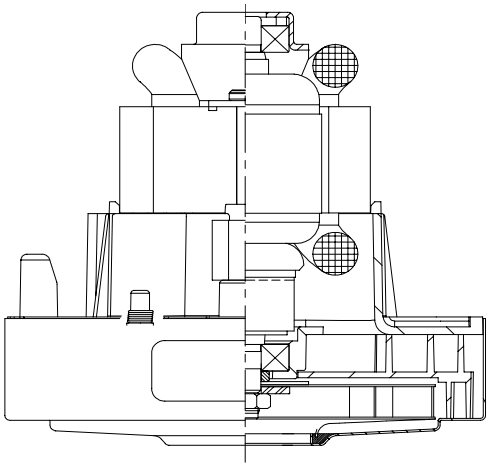
Product Bulletin

LAMB ELECTRIC

Model: 122141-00

Eco Design
Compact -- Energy Saving

DESCRIPTION
- One stage
- -4.73"/120 mm diameter
- Double ball bearings
- Single speed
- Thru-flow discharge
- Thermoset fan end bracket
- Stamped steel end bracket



SPECIAL FEATURES
- Patented High Efficiency Diffusion
- 44% Overall Efficiency
- WL - World Lamination
- Single Stage
- UL recognized, category PRGY2 (E47185)
- Suitable for 240 volt AC operation, 50 or 60 Hz

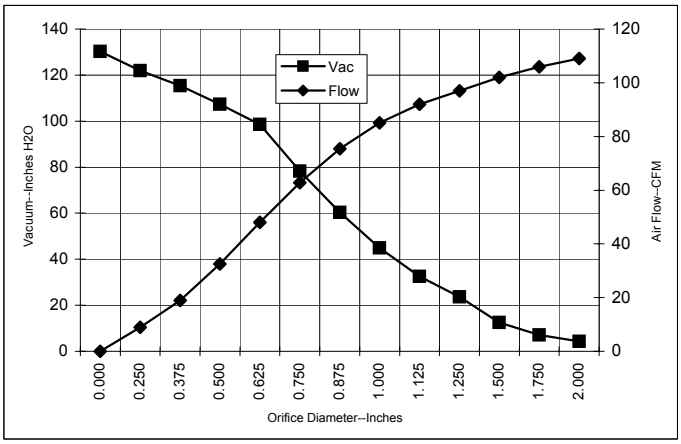
DESIGN APPLICATION
- Equipment operating in environments not requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

PEAK AIRWATTS
580
Calculated in accordance with ASTM F2105

TYPICAL MOTOR PERFORMANCE.*

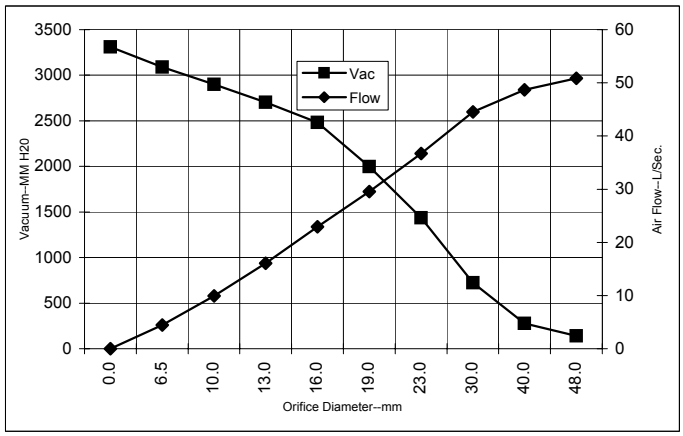
(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	6.7	1562	35100	4.4	109.0	56
1.750	6.7	1561	35100	7.1	106.0	89
1.500	6.6	1549	35500	12.5	102.0	150
1.250	6.5	1526	35490	23.6	97.1	269
1.125	6.4	1503	35880	32.6	92.0	353
1.000	6.3	1471	36290	45.0	85.1	450
0.875	6.1	1420	37470	60.3	75.4	535
0.750	5.8	1348	38270	78.3	62.9	579
0.625	5.3	1255	39830	98.5	48.0	540
0.500	4.9	1157	41820	107.3	32.5	411
0.375	4.4	1047	43790	115.4	18.9	257
0.250	4.1	978	45350	121.9	9.0	128
0.000	3.9	924	47350	130.3	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	6.7	1562	35100	142	50.8	70
40.0	6.7	1553	35380	277	48.7	132
30.0	6.5	1513	35705	725	44.5	315
23.0	6.1	1433	37175	1435	36.7	514
19.0	5.7	1346	38301	1999	29.5	578
16.0	5.4	1259	39768	2482	23.0	541
13.0	5.0	1167	41621	2704	16.1	424
10.0	4.5	1064	43495	2899	9.9	280
6.5	4.1	981	45272	3088	4.5	135
0.0	3.9	924	47350	3310	0.0	0

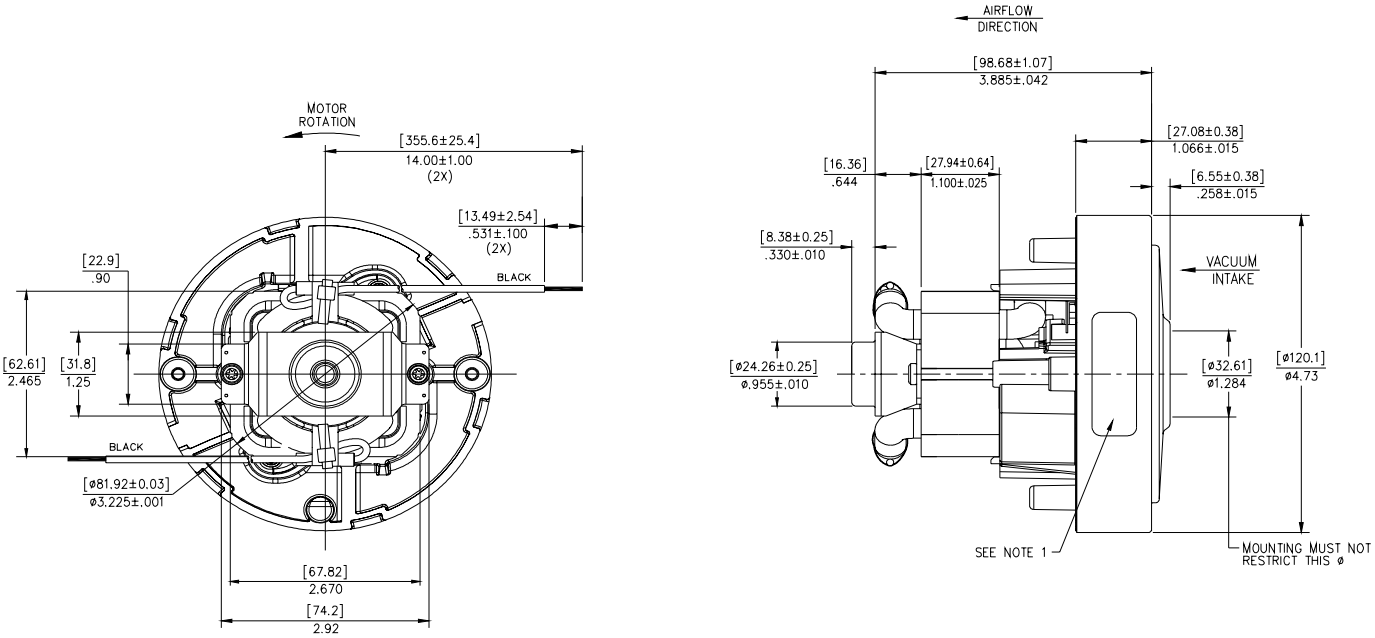
Note: Metric Performance data is calculated from the ASTM data above.

* 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:	240 volts	**Minimum Sealed Vacuum:**	112"	**ORIFICE:**	7/8 "	**Minimum Vacuum:**	56"	**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 & 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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