



AMETEK

LAMB ELECTRIC

Product Bulletin

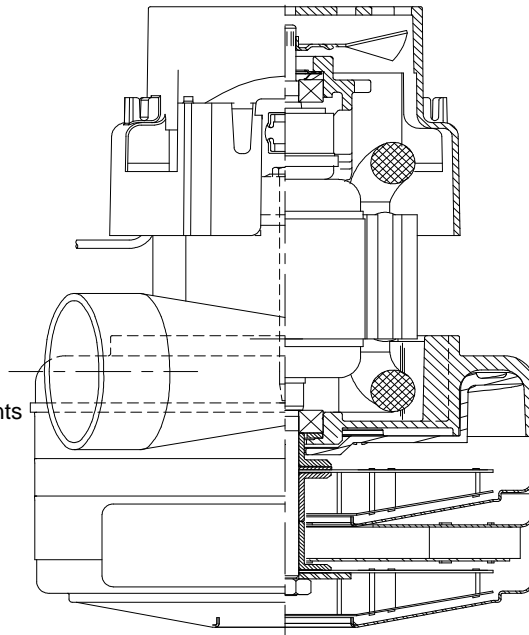
Model: 122525-00

DESCRIPTION

- Double stage
- 120 volts
- 5.7"/ 145 mm diameter
- Dual ball bearings
- Single speed
- Tangential bypass discharge
- Plastic fan end bracket
- Plastic commutator bracket

DESIGN APPLICATION

- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only



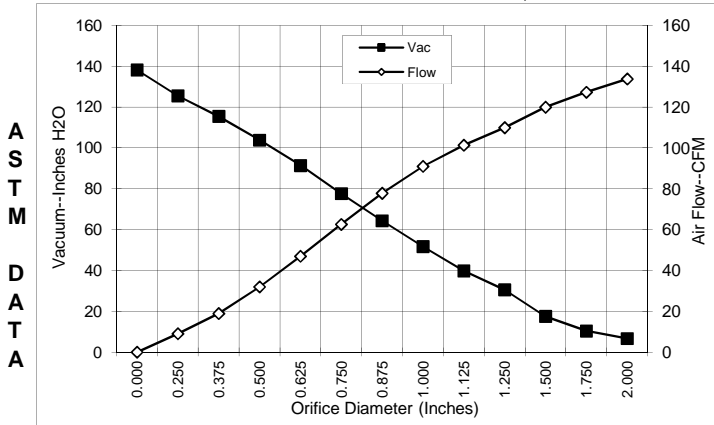
SPECIAL FEATURES

- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton frame design
- Dual Tapered fan system
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs
- Inrush Current Control Included

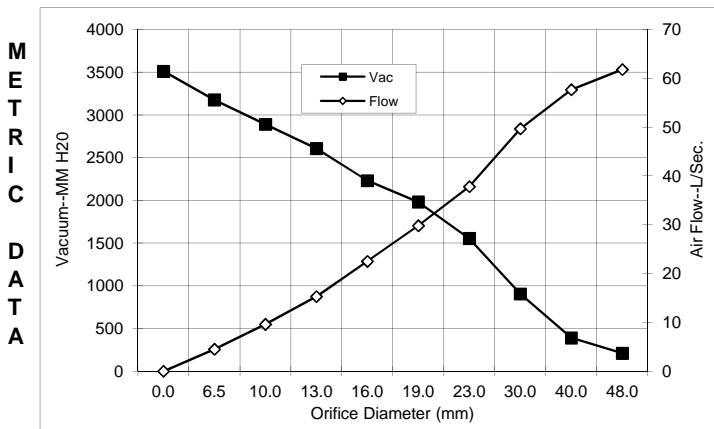


TYPICAL MOTOR PERFORMANCE.*

(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.H ₂ O)	Flow (CFM)	Air Watts
2.000	16.0	1849	24002.88	6.7	133.8	105
1.750	16.0	1851	23992.2	10.4	127.3	155
1.500	16.1	1854	23917.7	17.5	120.0	247
1.250	16.1	1864	23940.35	30.5	109.9	394
1.125	16.0	1846	23973.47	39.8	101.4	474
1.000	15.8	1832	24143.28	51.7	91.0	552
0.875	15.5	1798	24313	64.4	77.8	588
0.750	14.9	1731	24816.21	77.7	62.6	571
0.625	14.0	1626	25637.99	91.4	47.0	504
0.500	12.9	1504	26761.38	103.8	32.0	390
0.375	11.6	1357	28202.16	115.5	18.9	256
0.250	10.5	1233	29711.25	125.5	9.0	133
0.000	9.7	1144	30950.12	138.2	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	16.0	1850	23998	211	61.8	127
40.0	16.0	1853	23940	391	57.7	219
30.0	16.1	1854	23959	905	49.7	438
23.0	15.6	1807	24271	1554	37.8	515
19.0	14.9	1729	24833	1980	29.8	528
16.0	14.0	1630	25605	2230	22.5	470
13.0	13.0	1516	26649	2606	15.3	401
10.0	11.8	1379	27986	2889	9.6	276
6.5	10.5	1239	29636	3175	4.5	139
0.0	9.7	1144	30950	3510	0.0	0

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

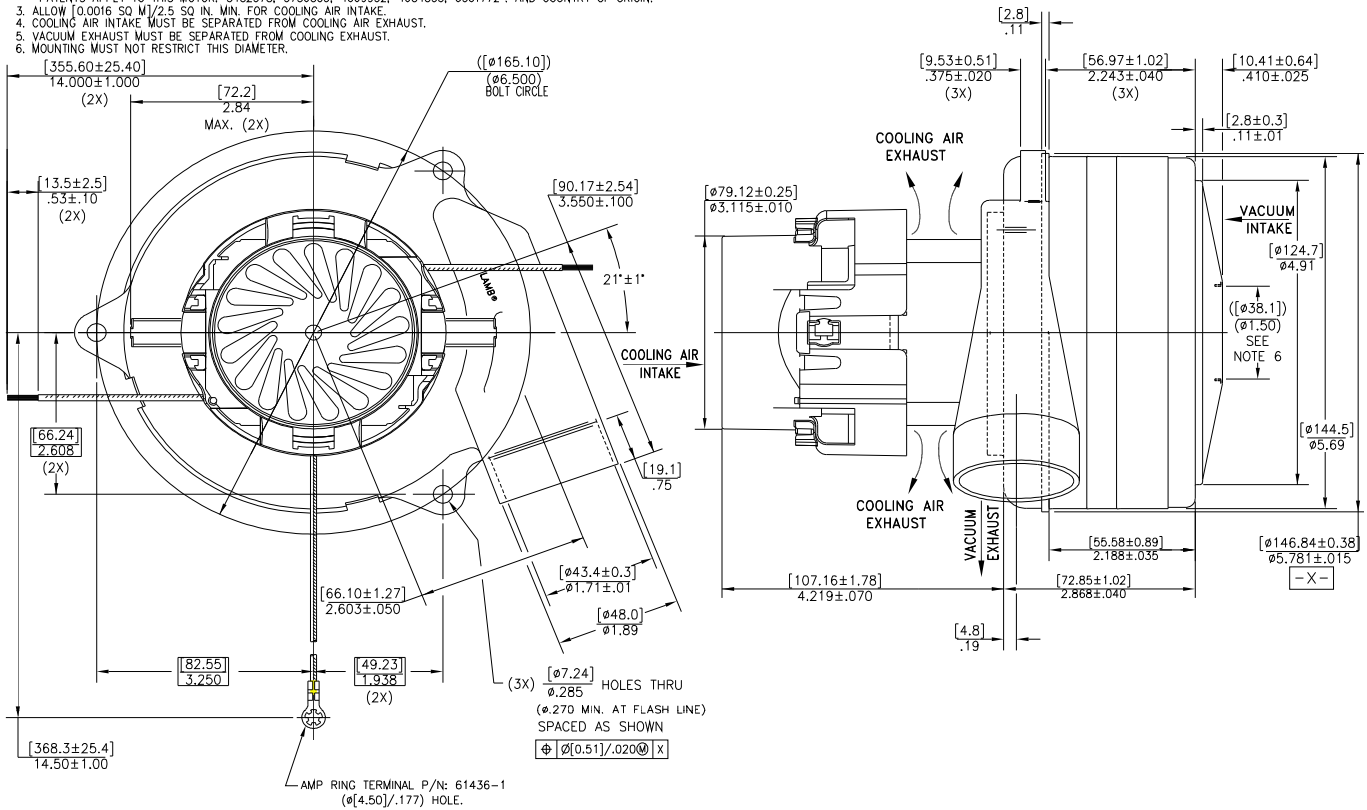
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	120 volt	Minimum Sealed Vacuum:	128"	ORIFICE:	7/8"	Minimum Vacuum:	62"	Maximum Watts:	1830
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DIMENSIONS

NOTES:

1. POWER LEADS: 18GA STRANDED, LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE. GROUND LEAD: 18GA STRANDED, GREEN OR GREEN WITH YELLOW STRIPE.
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTOR'S CODE WITH "FF" SUFFIX, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENT INFORMATION "ONE OR MORE OF THE FOLLOWING PATENTS APPLY TO THIS MOTOR: 5482378; 5736805; 4669952; 4684835; 6561772". AND COUNTRY OF ORIGIN.
3. ALLOW 10.0016 SQ MI/2.5 SQ IN. MIN. FOR COOLING AIR INTAKE.
4. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
5. VACUUM EXHAUST MUST BE SEPARATED FROM COOLING EXHAUST.
6. MOUNTING MUST NOT RESTRICT THIS DIAMETER.



IMPORTANT NOTE: Pictorial and dimensional data are subject to change without notice. Contact factory for current revision levels.

WARNING - When using AMETEK/Lamb Electric bypass motors in machines that come in contact with foam, liquid (including water) of other foreign substances, the machine must be designed and constructed to prevent those substances from reaching the fan system, motor housing and electrical components. Lamb vacuum motors other than hazardous duty models should not be applied in machines that come in contact with dry chemicals or other volatile materials. Failure to observe these precautions could cause flashing (depending on volatility) or electrical shock which could result in property damage and severe bodily injury, including death in extreme cases. All applications incorporating Lamb motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

AMETEK/Floorcare & Specialty Motors
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