

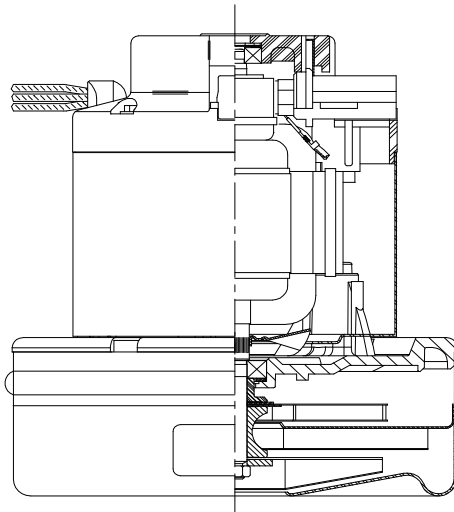


DESCRIPTION

- Two stage
- 240 volts
- 7.2" / 183 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



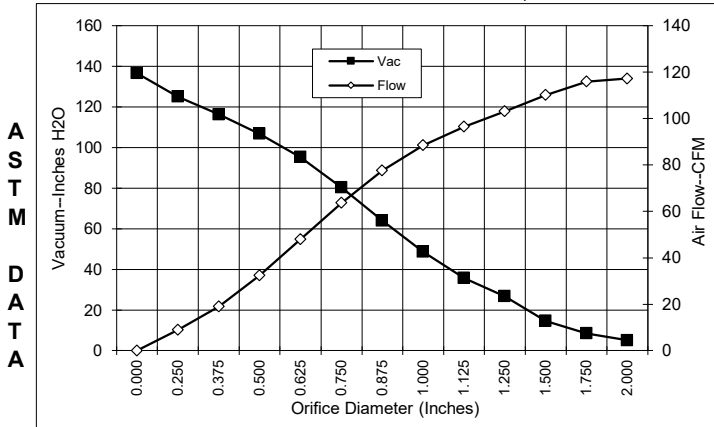
SPECIAL FEATURES

- Suitable for 240 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton frame design
- Dual Tapered (Patented) fan system
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

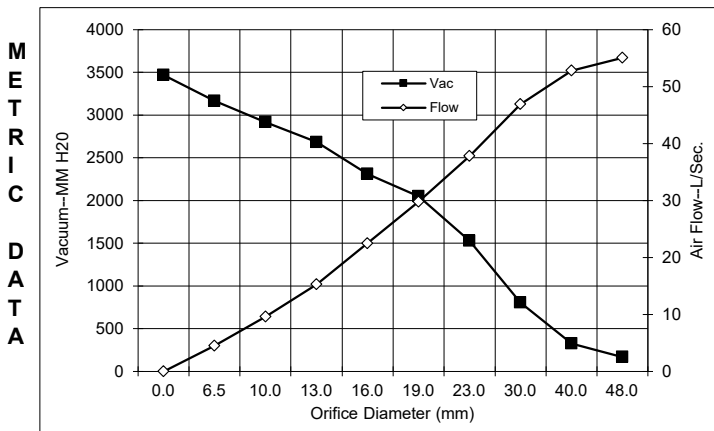


TYPICAL MOTOR PERFORMANCE.*

(At 240 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	7.6	1726	24840	5.1	117.2	70
1.750	7.7	1730	24792	8.5	115.9	116
1.500	7.7	1733	24776	14.6	110.1	190
1.250	7.7	1738	24772	26.7	103.1	324
1.125	7.7	1735	24724	35.8	96.4	406
1.000	7.7	1727	24780	48.7	88.5	507
0.875	7.6	1711	24978	64.0	77.6	583
0.750	7.3	1652	25234	80.3	63.6	600
0.625	6.9	1563	25796	95.3	48.0	537
0.500	6.4	1448	26584	106.8	32.4	406
0.375	5.7	1302	27506	116.3	19.0	260
0.250	5.1	1179	28534	125.1	9.0	132
0.000	4.7	1086	29400	136.5	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	7.6	1728	24819	167	55.0	90
40.0	7.7	1732	24781	324	52.8	168
30.0	7.7	1736	24746	805	46.9	369
23.0	7.6	1715	24929	1528	37.8	515
19.0	7.3	1650	25245	2047	29.8	528
16.0	6.9	1567	25774	2310	22.5	470
13.0	6.4	1460	26505	2684	15.3	419
10.0	5.8	1324	27368	2918	9.6	282
6.5	5.2	1185	28483	3166	4.5	138
0.0	4.7	1086	29400	3467	0.0	0

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

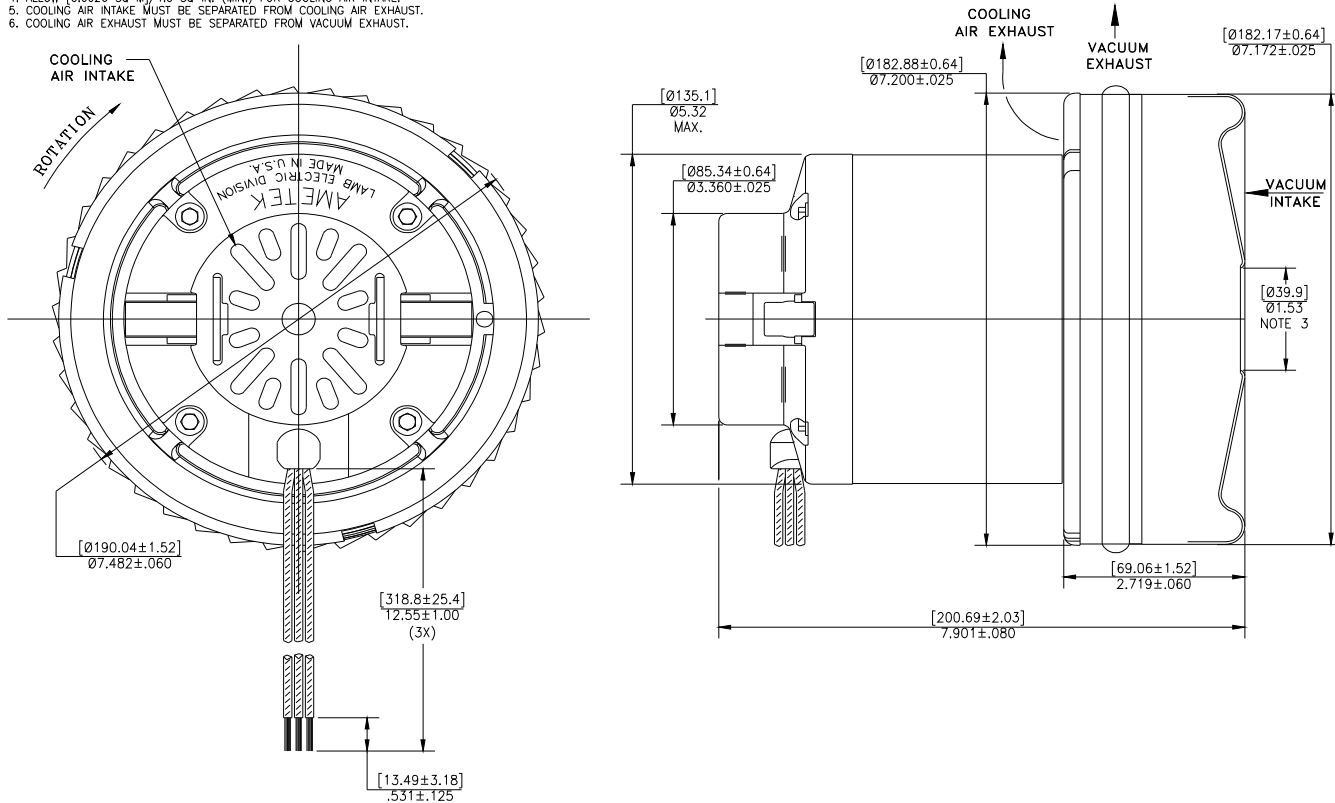
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	240 volt	Minimum Sealed Vacuum: 76 137.0"	ORIFICE: 7/ 7/8"	Minimum Vacuum: 66.0"	Maximum Watts: 1900
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DIMENSIONS

NOTES:

1. LEADS: 16GA. STRANDED, ONE BLACK AND ONE WHITE. GROUND LEAD: 16GA. STRANDED, 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, PATENTS: "4698534; 4621991; PATENT PENDING" AND COUNTRY OF ORIGIN.
3. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
4. ALLOW [0.0028 SQ M]/4.0 SQ IN. (MIN.) FOR COOLING AIR INTAKE.
5. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
6. COOLING AIR EXHAUST MUST BE SEPARATED FROM VACUUM EXHAUST.



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 Dynamic Fluid Solutions
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