

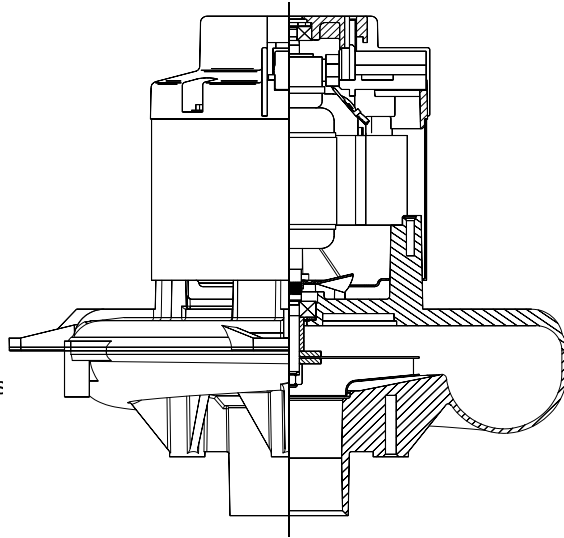


DESCRIPTION

- One stage
- 120 volts
- 9.0" / 229 mm diameter
- Dual ball bearings
- Tangential discharge
- All aluminum die cast housings used in motor construction

DESIGN APPLICATION

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



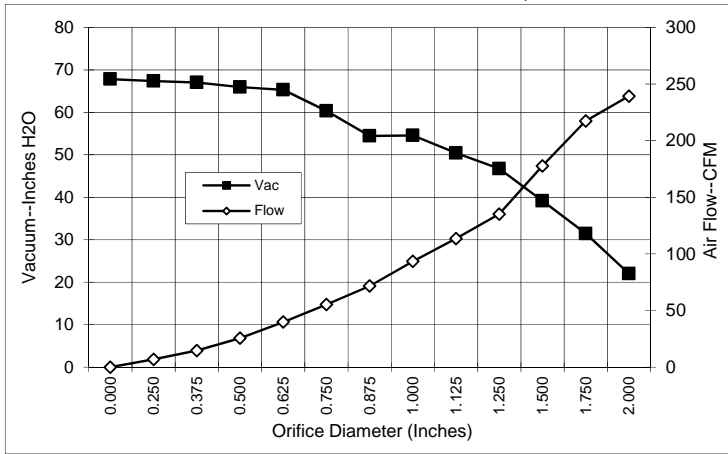
SPECIAL FEATURES

- Suitable for 120v AC operation, 50/60 Hz
- UL component recognized
- Provision for grounding
- 10 mm shaft and bearing system
- Flat fan system
- Aluminum fan end bracket designed to dampen vibration and improve durability
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs
- 119892-04 includes interrupter brushes.

TYPICAL MOTOR PERFORMANCE.*

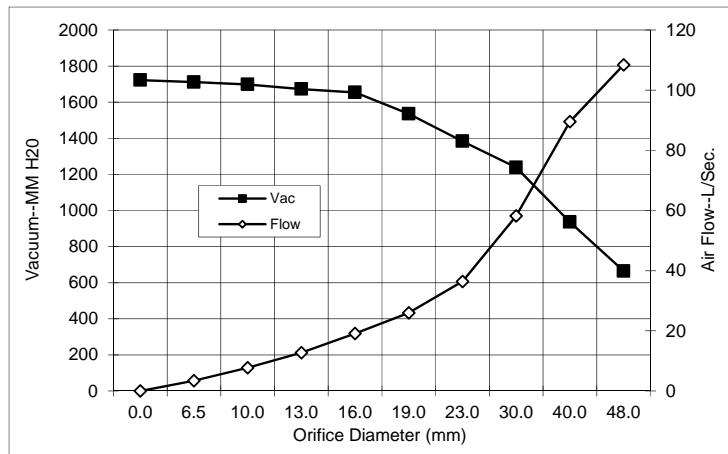
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	15.4	1759	21665	22.0	239.3	618
1.750	15.0	1718	21699	31.5	217.5	803
1.500	15.0	1713	21832	39.2	177.7	817
1.250	14.0	1603	22462	46.7	135.2	741
1.125	13.4	1537	22973	50.4	113.6	672
1.000	12.9	1480	23490	54.6	93.4	598
0.875	12.2	1405	24084	54.5	71.7	458
0.750	11.5	1326	24679	60.3	55.3	392
0.625	10.8	1250	25442	65.3	39.9	306
0.500	10.1	1174	25980	65.9	25.6	198
0.375	9.8	1143	26520	67.1	14.7	116
0.250	9.4	1100	27054	67.4	6.9	54
0.000	9.2	1075	27468	67.8	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	15.2	1741	21680	665	108.4	699
40.0	15.0	1714	21792	936	89.5	813
30.0	13.7	1567	22743	1239	58.2	703
23.0	12.4	1424	23936	1384	36.4	493
19.0	11.5	1325	24695	1535	26.0	390
16.0	10.8	1253	25411	1654	19.1	309
13.0	10.2	1182	25926	1673	12.8	209
10.0	9.8	1147	26439	1699	7.7	128
6.5	9.4	1102	27027	1712	3.4	57
0.0	9.2	1075	27468	1723	0.0	0

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

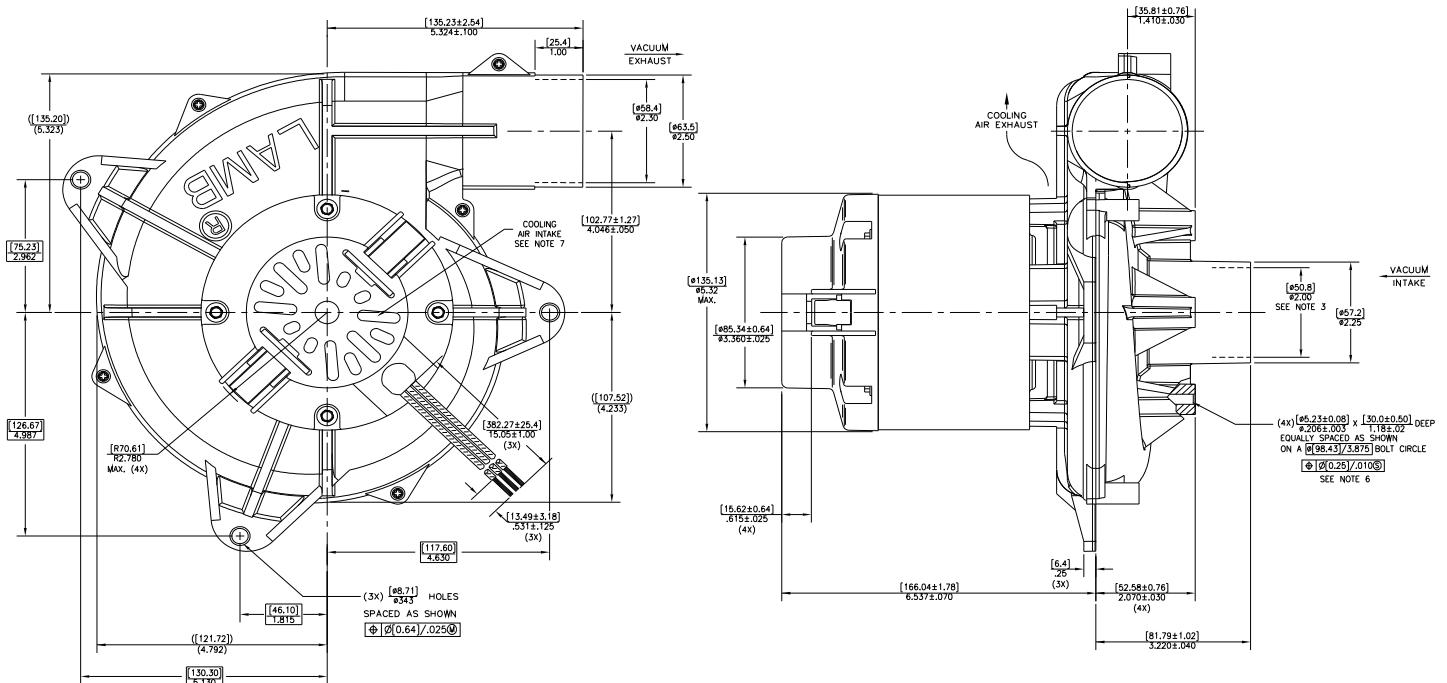
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variances.

Test Specs: 120	Minimum Sealed Vacuum: 58"	ORIFICE: 7/8"	Minimum Vacuum: 47.5"	Maximum Watts: 1450
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DIMENSIONS

- NOTES:**
- LEADS: 16 GA. STRANDED; POWER LEADS ONE BLACK AND ONE WHITE, GROUND LEAD GREEN WITH YELLOW STRIPE.
 - MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTOR'S CODE, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENTS 4898534; 4821991*, AND COUNTRY OF ORIGIN.
 - MOUNTING MUST NOT RESTRICT THIS DIAMETER.
 - COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
 - COOLING AIR EXHAUST MUST BE SEPARATED FROM VACUUM EXHAUST.
 - RECOMMENDED SCREW SIZE (M6-1/14-20 TYPE BT OR TYPE 25 THREAD CUTTING SCREW, MINIMUM PENETRATION [20.32]/.800).
 - ALLOW [0.0028 TO 0.0050] IN. MIN. FOR COOLING AIR INTAKE.



Manufactured under Patent nos. US5789893, TW81993, SG38957, ZA96/2766, US5760519, EP0702448B1, ZA95/7123 under license from Switched Reluctance Drives Ltd. Other US and foreign patents pending. Copyright code 1998. All rights reserved.

IMPORTANT NOTES: 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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