

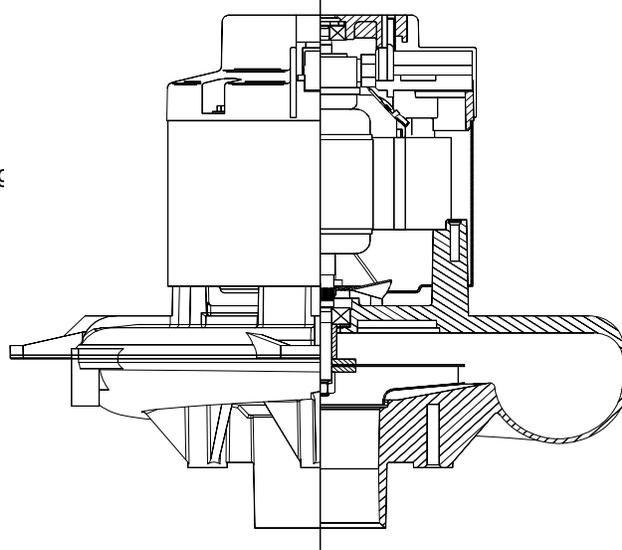


**DESCRIPTION**

- One stage
- 230 volts
- 9.0" / 229 mm diameter
- Dual ball bearings
- Tangential discharge
- All aluminum die cast housing 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



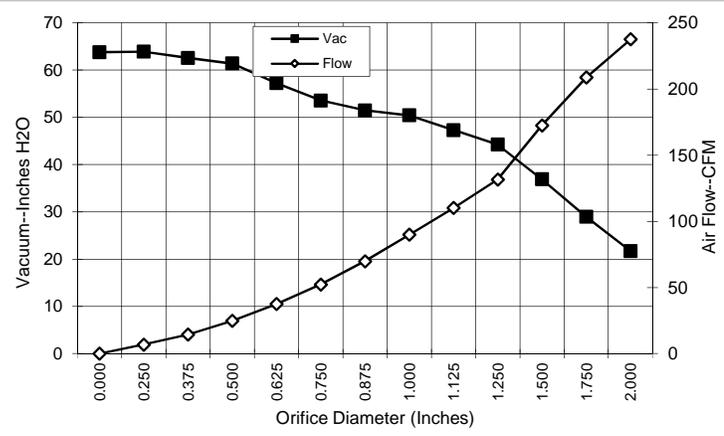
**SPECIAL FEATURES**

- Suitable for 230v AC operation, 50/60 Hz
- UL & cUL 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 119896-04 motor includes interrupter brushes.

**TYPICAL MOTOR PERFORMANCE.\***

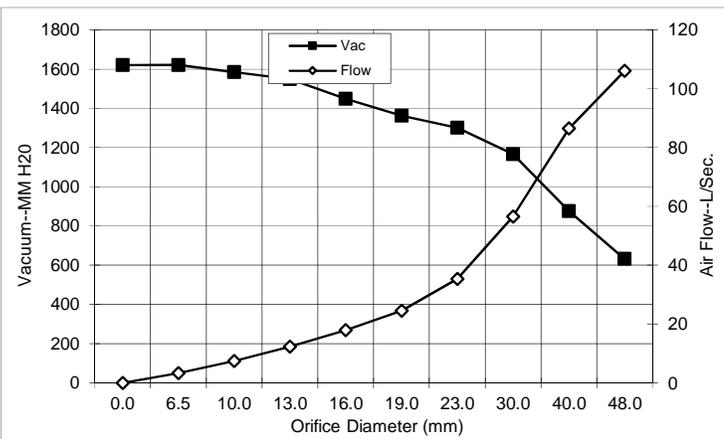
(At 230 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

**ASTM DATA**



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	7.6	1640	20970	21.7	237.5	606
1.750	7.5	1632	20970	28.9	208.7	710
1.500	7.4	1596	21160	36.9	172.5	748
1.250	6.9	1503	21720	44.2	131.6	684
1.125	6.6	1443	22140	47.3	110.1	613
1.000	6.3	1381	22540	50.4	89.9	533
0.875	6.0	1313	23030	51.5	69.8	422
0.750	5.7	1247	23550	53.5	52.2	329
0.625	5.3	1173	24150	57.2	37.4	251
0.500	5.0	1100	24700	61.4	24.8	179
0.375	4.8	1050	25350	62.6	14.3	105
0.250	4.5	1002	25720	63.9	6.8	51
0.000	4.4	968	26100	63.8	0.0	0

**METRIC DATA**



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	7.6	1636	20970	632	106.1	652
40.0	7.4	1607	21103	876	86.6	737
30.0	6.8	1470	21951	1166	56.5	645
23.0	6.1	1330	22908	1301	35.3	450
19.0	5.7	1246	23562	1362	24.5	327
16.0	5.4	1176	24126	1449	18.0	254
13.0	5.0	1107	24645	1549	12.3	186
10.0	4.8	1058	25253	1585	7.5	116
6.5	4.5	1004	25702	1621	3.4	54
0.0	4.4	968	26100	1620	0.0	0

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

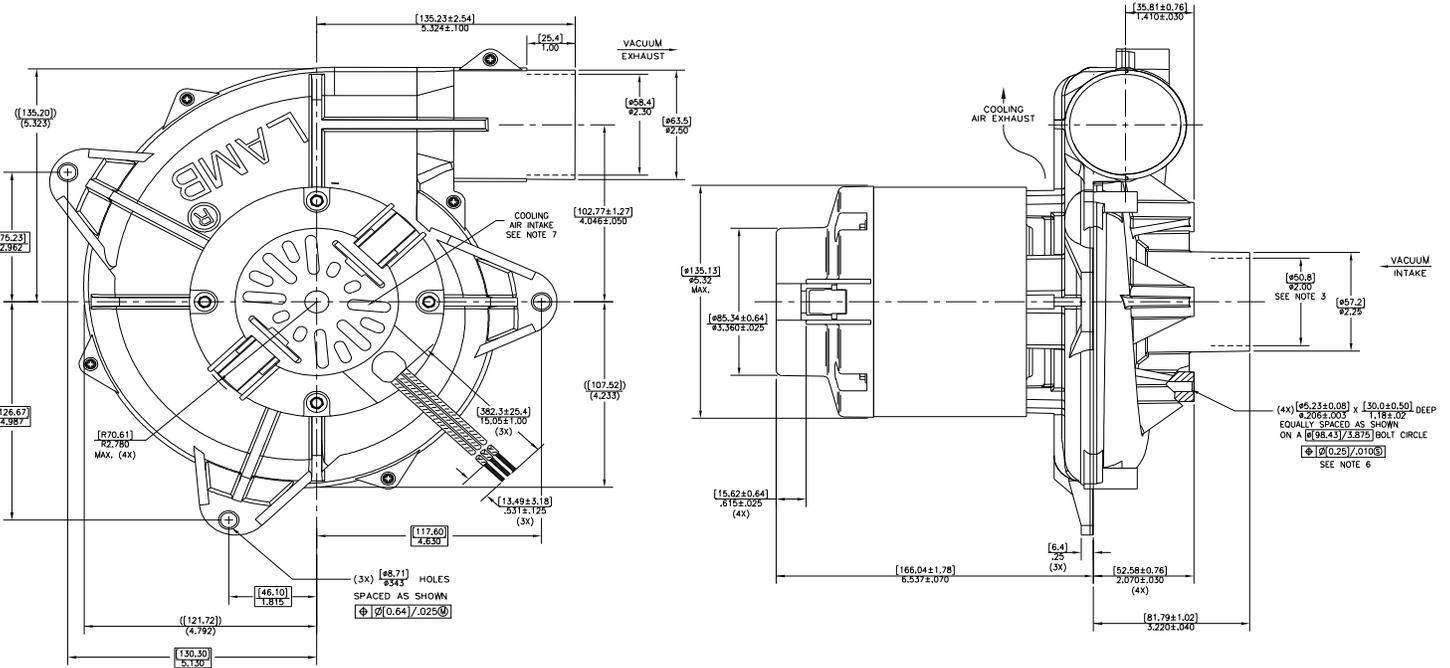
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variances.

<b>Test Specs: 230</b>	<b>Minimum Sealed Vacuum: 52"</b>	<b>ORIFICE: 7/8"</b>	<b>Minimum Vacuum: 45.5"</b>	<b>Maximum Watts: 1465</b>
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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, PATENT'S 489854; 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 (#6-11)/14-20 TYPE BT OR TYPE 25 THREAD CUTTING SCREW, MINIMUM PENETRATION [20.32]/.800.
  - ALLOW [0.0026 SQ M]/.4.0 SQ 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.

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