AMETEK

Product Bulletin

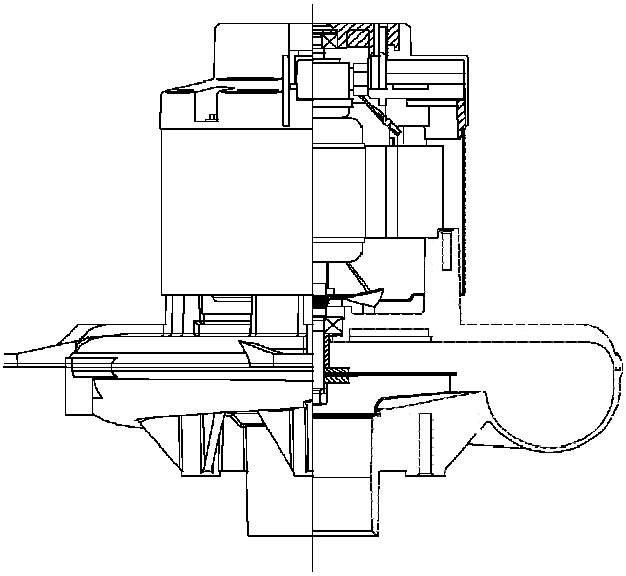
LAMB ELECTRIC

Model: 119910-00

FLO-TEK

DESCRIPTION

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



SPECIAL FEATURES

- Suitable for 36v 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

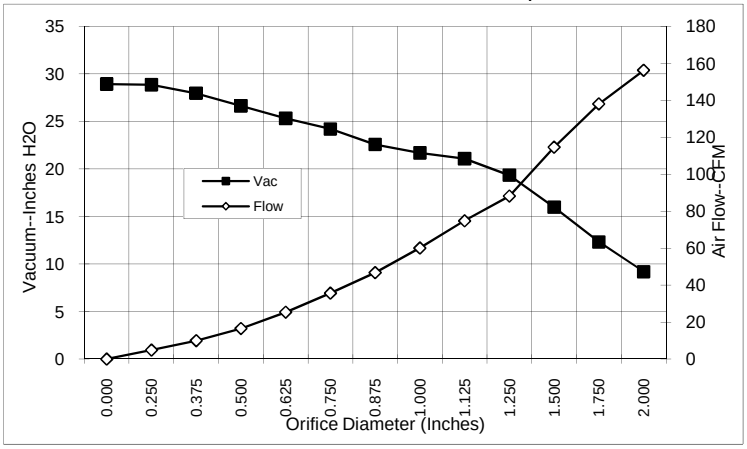
DESIGN APPLICATION

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

TYPICAL MOTOR PERFORMANCE.*

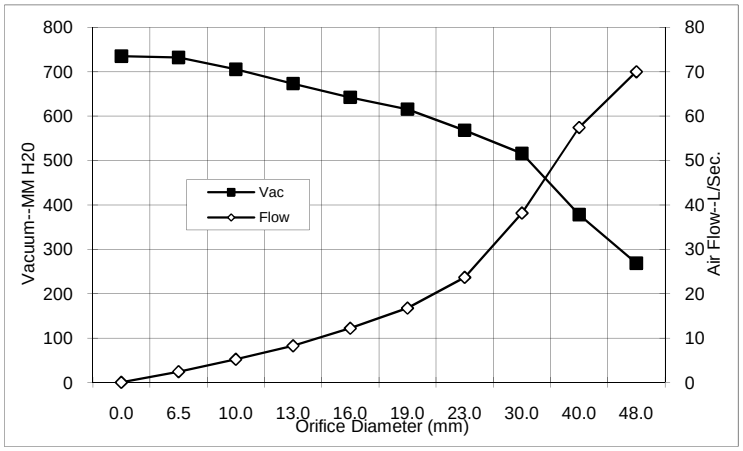
(At 36 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	15.1	542	13450	9.2	156.3	169
1.750	14.9	536	13520	12.3	138.1	200
1.500	14.6	527	13690	16.0	114.7	216
1.250	14.1	507	14110	19.4	88.2	201
1.125	13.7	494	14330	21.1	74.8	185
1.000	13.3	478	14650	21.7	60.1	153
0.875	12.8	462	14890	22.6	46.8	124
0.750	12.6	455	15280	24.2	35.7	102
0.625	11.9	430	15690	25.3	25.4	76
0.500	11.6	417	16120	26.6	16.6	52
0.375	11.3	406	16470	28.0	10.0	33
0.250	10.8	390	16820	28.9	4.9	17
0.000	10.7	385	17100	28.9	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	15.0	539	13481	268	70.0	183
40.0	14.7	530	13639	378	57.4	211
30.0	13.9	500	14231	516	38.2	192
23.0	12.9	466	14830	568	23.7	132
19.0	12.6	455	15288	616	16.7	101
16.0	12.0	431	15674	642	12.2	77
13.0	11.6	418	16077	673	8.2	54
10.0	11.3	408	16418	705	5.2	36
6.5	10.9	391	16803	732	2.4	17
0.0	10.7	385	17100	735	0.0	0

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

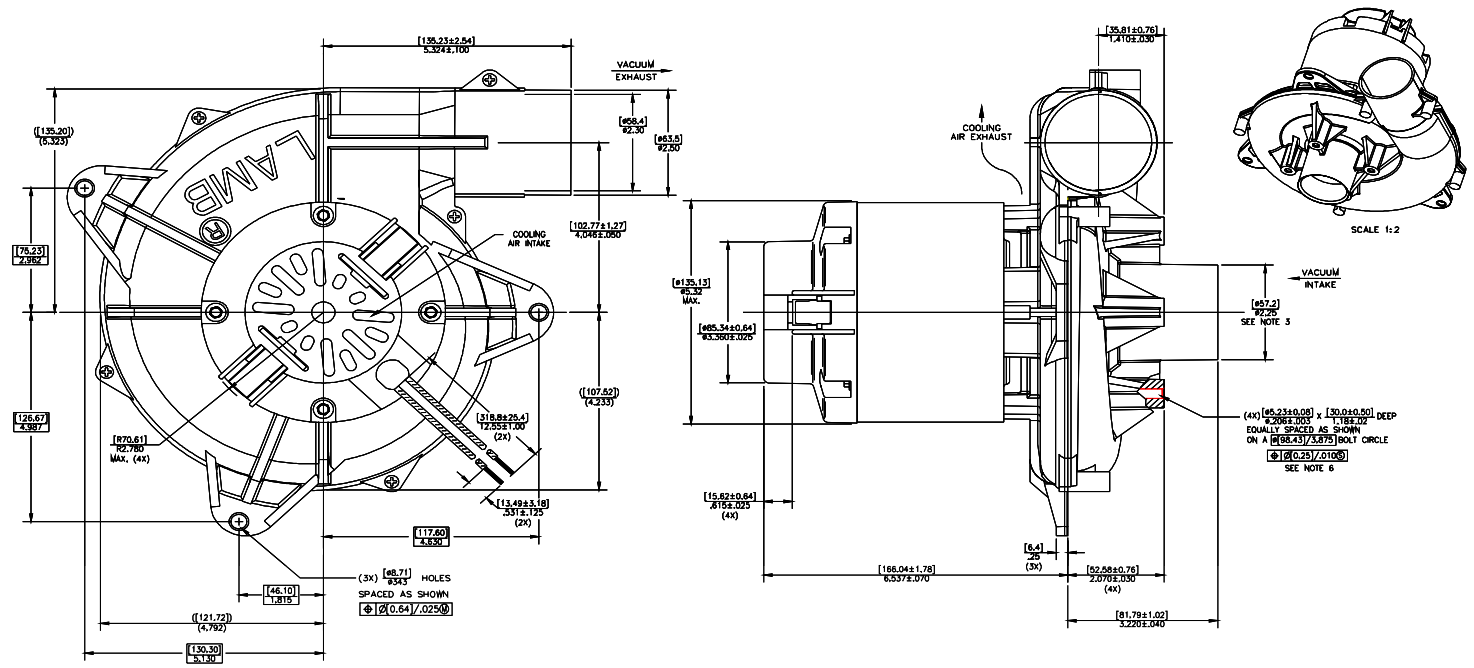
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variances.

Test Specs: TBD	**Minimum Sealed Vacuum: TBD**	**ORIFICE: 7/8"**	**Minimum Vacuum: TBD**	**Maximum Watts: TBD**

PRODUCT BULLETIN **119910-00**

DIMENSIONS

NOTES:
1. LEADS: 16 GA. STRANDED; POWER LEADS ONE BLACK AND ONE WHITE.
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTORS CODE, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE AND COUNTRY OF ORIGIN.
3. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
4. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
5. COOLING AIR EXHAUST MUST BE SEPARATED FROM VACUUM EXHAUST.
6. RECOMMENDED SCREW SIZE 1/4-20 TYPE BT OR TYPE 25 THREAD CUTTING SCREW. MINIMUM PENETRATION [20.32]/.800.



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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