

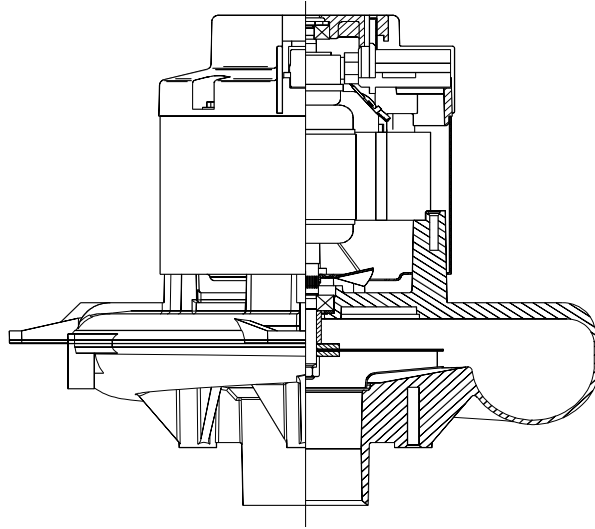


**DESCRIPTION**

- 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**

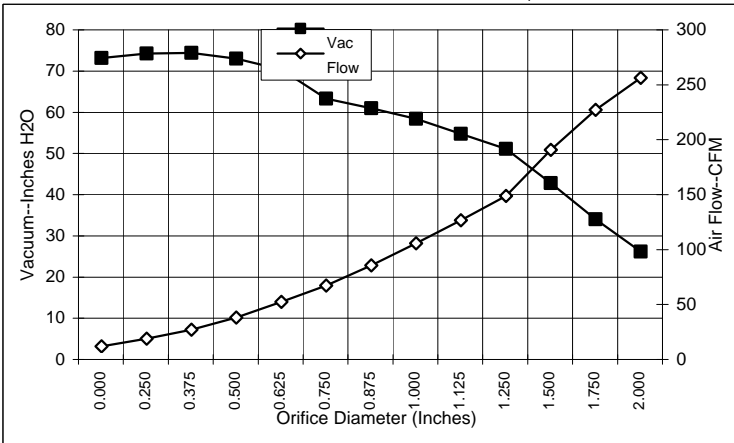
- Suitable for 120v AC operation, 50/60 Hz
- UL component recognized
- Provision for grounding
- 10 mm shaft and bearing system
- Flat fan system
- Aluminum fan end bracket designed to dampen vibration and improve durability

The FLO-TEK 700 Series is also available in a brushless (Switched Reluctance) version, designed for 5,000 life and available in either "high-flow" or "high seal" performance designs.

**TYPICAL MOTOR PERFORMANCE.\***

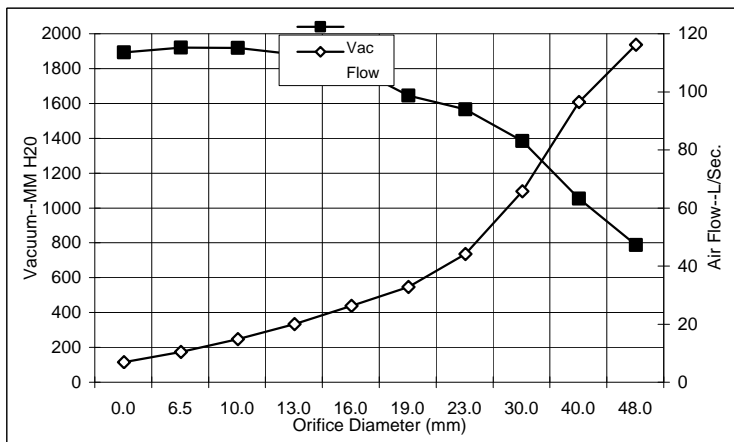
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

**ASTM DATA**



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H <sub>2</sub> O)	Flow (CFM)	Air Watts
2.000	15.5	1753	21740	23.0	244.5	661
1.750	15.4	1752	21720	30.8	215.2	778
1.500	15.1	1710	22080	39.6	178.8	833
1.250	14.1	1606	22620	47.9	136.9	771
1.125	13.5	1542	23080	51.6	114.8	696
1.000	12.8	1463	23560	55.2	93.8	609
0.875	12.1	1392	24020	57.8	73.8	501
0.750	11.4	1317	24770	60.1	55.2	390
0.625	10.7	1233	25730	67.2	40.4	319
0.500	10.1	1168	26120	69.8	26.3	216
0.375	9.5	1107	26860	71.2	15.1	126
0.250	9.1	1060	27320	71.1	7.0	59
0.000	8.8	1024	27680	70.0	0.0	0

**METRIC DATA**



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	15.4	1753	21731	671	109.3	712
40.0	15.2	1723	21972	939	89.5	817
30.0	13.8	1571	22873	1268	58.9	730
23.0	12.3	1410	23905	1452	37.2	528
19.0	11.4	1315	24789	1530	25.9	389
16.0	10.7	1236	25692	1700	19.3	322
13.0	10.1	1175	26081	1766	13.1	226
10.0	9.6	1116	26749	1803	7.9	140
6.5	9.1	1062	27297	1806	3.5	62
0.0	8.8	1024	27680	1778	0.0	0

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

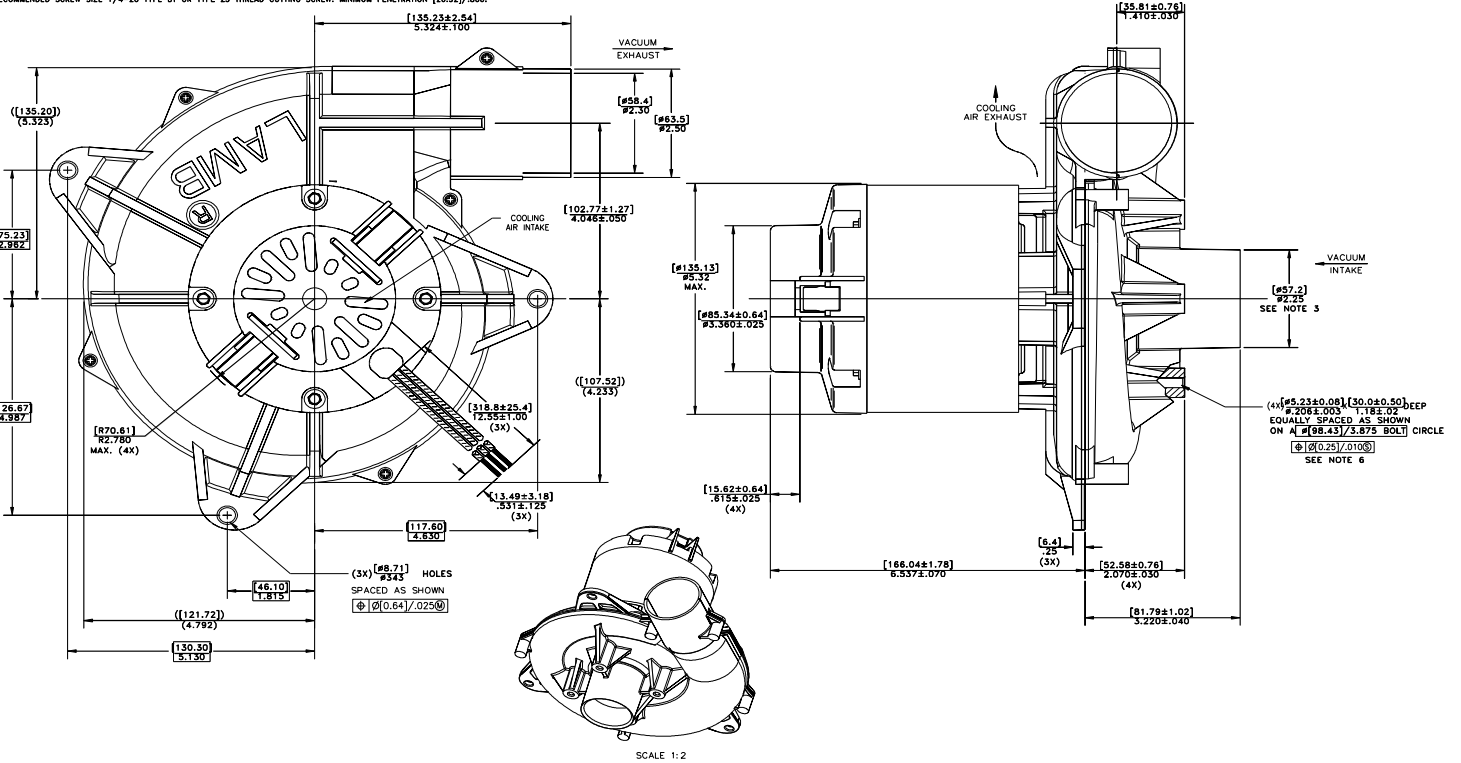
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variances.

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

- NOTES:  
 1. LEADS: 18 GA. STRANDED, POWER LEADS ONE BLACK AND ONE WHITE, GROUND LEAD GREEN WITH YELLOW STRIPE.  
 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 HOLES NOT RESTRICT THIS DIMENSION.  
 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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 Issued: December, 2004