

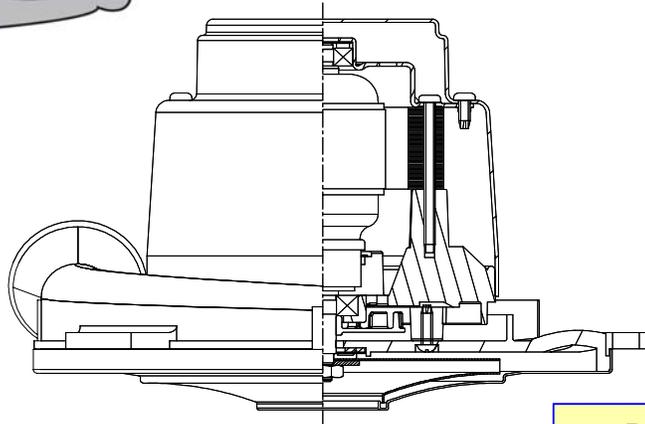


**DESCRIPTION**

- Single stage tapered fan
- 8.4"(206mm) diameter
- Improved sound quality
- "True" tangential discharge bracket
- 42 volts DC
- 3.5" High-Efficiency lamination
- Double ball bearings; 10mm output

**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**

- 2000+ hours life
- Up to 36% Overall Efficiency
- High efficient cooling system
- Lamb "Green Power" Label
- UL recognized, category PRGY2 (E47185)
- CSA certification pending
- Same mounting pattern as Lamb's 7.2 tangential-bypass
- Optional filtered cooling air
- Patent-pending bearing protection for wet applications.

**PEAK AIRWATTS**

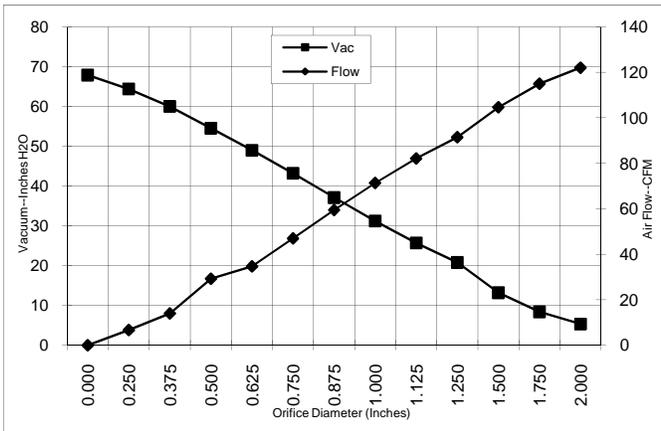
**264**

Calculated in accordance with ASTM F2105

**TYPICAL MOTOR PERFORMANCE.\***

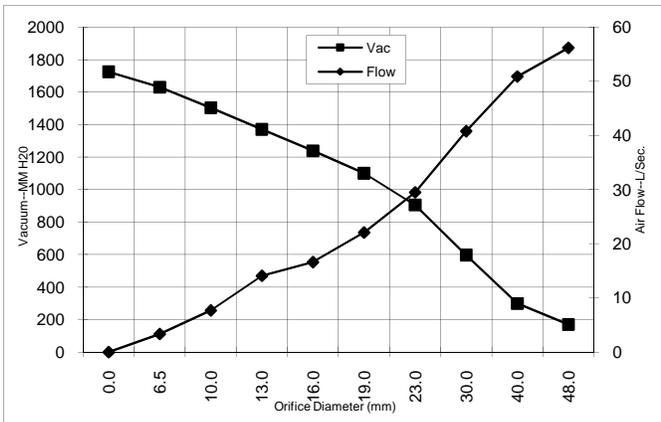
(At 42 VDC, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

**ASTM DATA**



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	18.7	785	19180	5.3	122.1	79
1.750	18.6	782	19170	8.4	115.0	114
1.500	18.5	777	17190	13.2	104.7	163
1.250	18.3	772	17240	20.8	91.5	224
1.125	18.2	764	19370	25.7	82.2	249
1.000	17.8	748	19590	31.2	71.4	262
0.875	17.2	726	19910	37.1	59.5	260
0.750	16.6	699	20420	43.2	47.0	239
0.625	15.7	659	21090	49.0	34.7	200
0.500	14.6	616	22060	54.5	29.3	149
0.375	13.9	584	23090	60.0	14.0	99
0.250	13.0	548	23910	64.4	6.7	51
0.000	12.1	510	24720	67.9	0.0	0

**METRIC DATA**



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	18.6	784	19176	170	56.2	94
40.0	18.5	779	17784	299	50.9	148
30.0	18.2	768	18412	597	40.8	238
23.0	17.4	732	19830	905	29.5	261
19.0	16.6	698	20433	1100	22.1	238
16.0	15.7	661	21063	1239	16.6	202
13.0	14.7	620	21963	1370	14.1	154
10.0	14.0	589	22936	1503	7.7	107
6.5	13.1	550	23869	1630	3.3	53
0.0	12.1	510	24720	1725	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 variations.

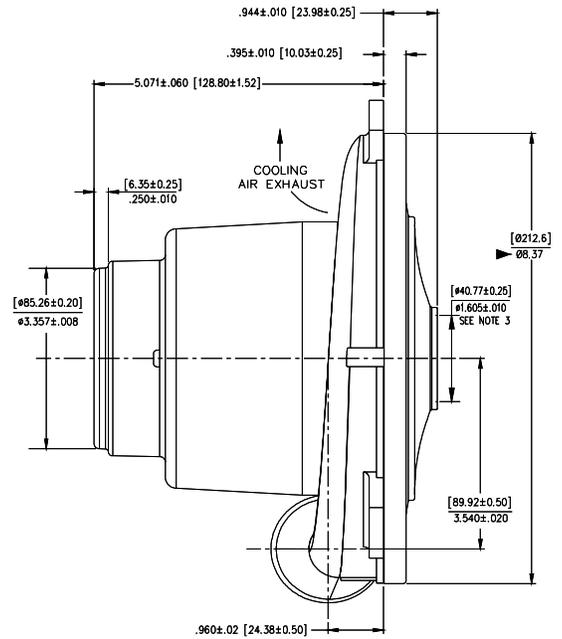
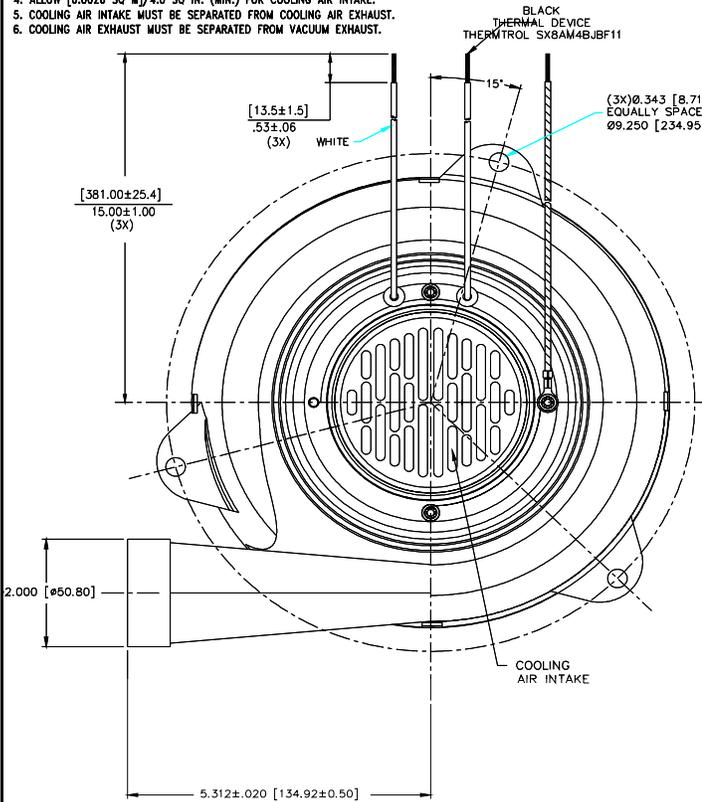
<b>Test Specs:</b>	42	<b>Minimum Sealed Vacuum:</b>	55.0	<b>ORIFICE:</b>	7/8"	<b>Minimum Vacuum:</b>	36.0	<b>Maximum Watts:</b>	762
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**DIMENSIONS**



**NOTES:**

1. LEADS: 16GA. STRANDED.
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTORS CODE WITH "FF" SUFFIX, "THERMALLY PROTECTED L", DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENT PENDING\* AND COUNTRY OF ORIGIN.
3. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
4. ALLOW [0.0028 SQ IN]/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 Floorcare & Specialty Motors (F&SM) bypass motors in machines that come in contact with foam, liquid (including water), or other foreign substances, the machine must be designed and constructed to prevent those substances from reaching the fan system, motor housing, and electrical components. F&SM 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 F&SM motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

**AMETEK/Floorcare & Specialty Motors**  
**www.ametekfsm.com**