



Model: 122174-18

SPECIAL FEATURES

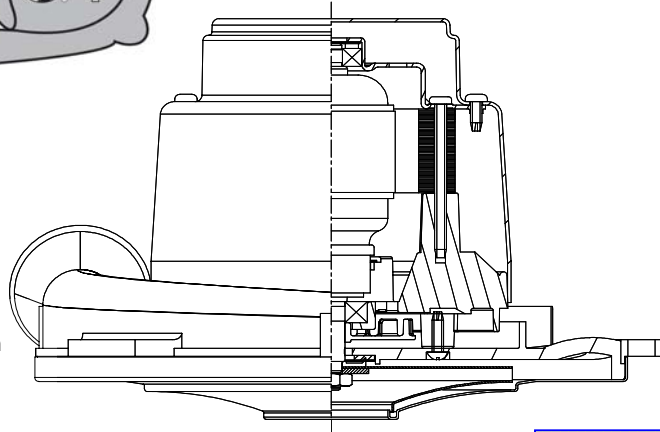
- 2000+ hours life
- Up to 36% Overall Efficiency
- High efficient cooling system
- Lamb "Green Power" Label
- UL recognized, category PRGY2 (E47185)
- CSA certification pending
- Same mounting pattern as Lamb's 7.2 tangential-bypass
- Optional filtered cooling air
- Patent-pending bearing protection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

DESCRIPTION

- Single stage tapered fan
- 8.4"(206mm) diameter
- Improved sound quality
- "True" tangential discharge bracket
- 36 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



PEAK AIRWATTS

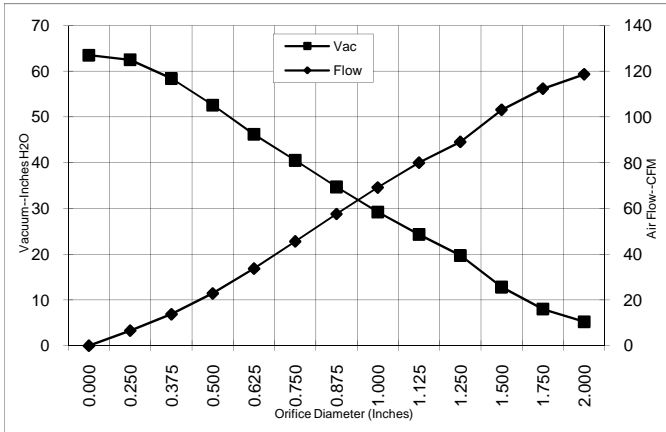
240

Calculated in accordance with ASTM F2105

TYPICAL MOTOR PERFORMANCE.*

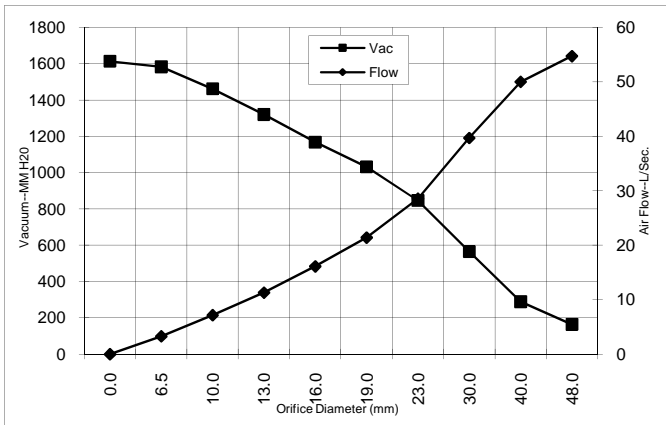
(At 36 VDC, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	19.6	706	17810	5.2	118.7	73
1.750	19.6	705	17710	8.0	112.4	106
1.500	19.5	703	17690	12.8	103.2	156
1.250	19.3	696	17790	19.7	89.1	207
1.125	19.0	686	17950	24.3	80.0	229
1.000	18.6	671	18210	29.2	69.2	238
0.875	18.0	648	18640	34.7	57.6	235
0.750	17.1	618	19320	40.5	45.6	217
0.625	16.1	579	20250	46.2	33.7	183
0.500	14.9	536	21440	52.6	22.9	142
0.375	14.0	504	22480	58.4	13.8	95
0.250	13.3	479	23430	62.5	6.6	48
0.000	12.5	451	24620	63.5	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	19.6	706	17766	164	54.7	88
40.0	19.5	704	17696	289	50.0	141
30.0	19.2	691	17878	565	39.7	219
23.0	18.1	654	18533	846	28.6	236
19.0	17.1	617	19339	1032	21.4	216
16.0	16.1	581	20213	1168	16.1	184
13.0	15.0	540	21321	1320	11.3	146
10.0	14.1	509	22324	1461	7.2	102
6.5	13.3	480	23383	1582	3.3	50
0.0	12.5	451	24620	1613	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.

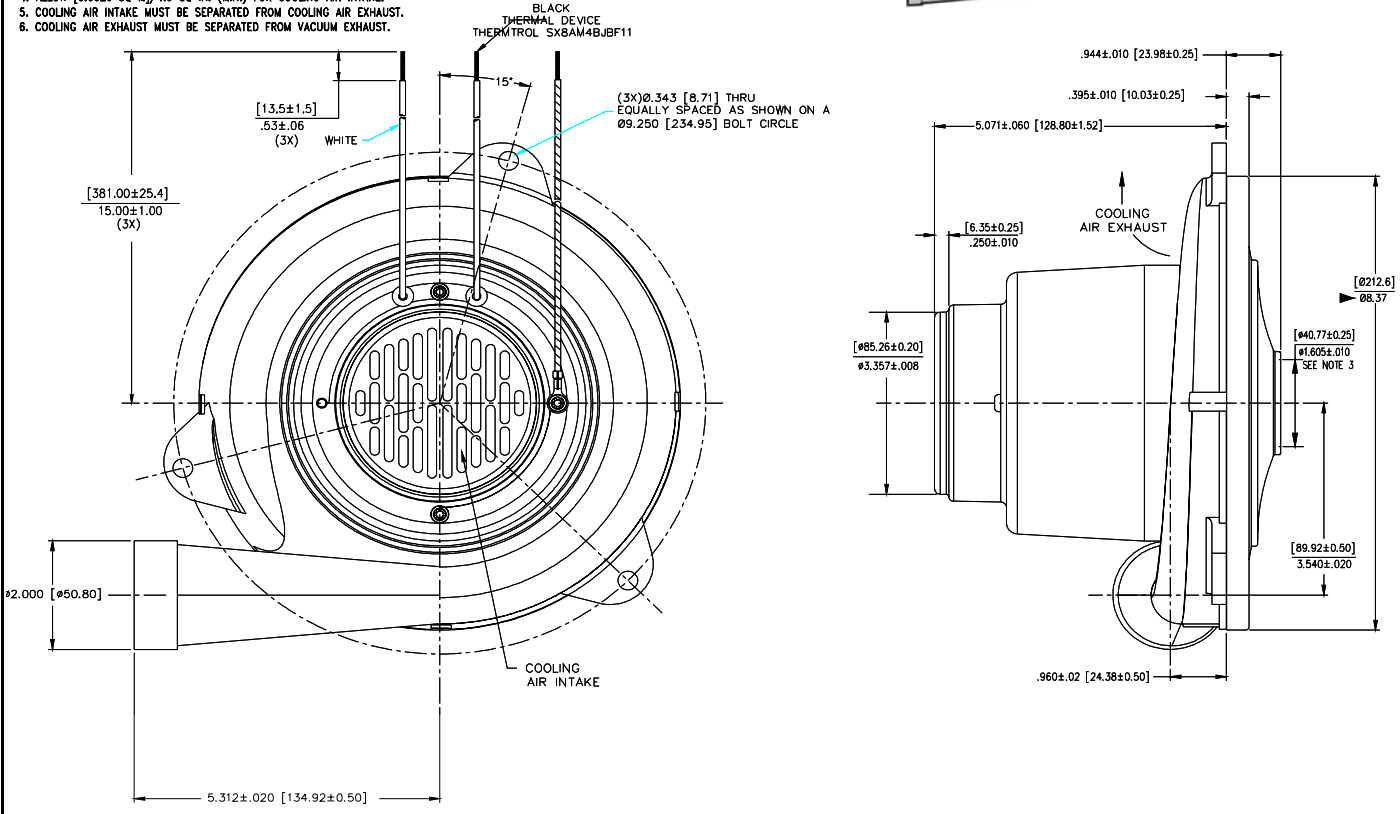
Test Specs:	36	Minimum Sealed Vacuum:	51.0	ORIFICE:	7/8"	Minimum Vacuum:	29.0	Maximum Watts:	670
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DIMENSIONS



NOTES:

1. LEADS: 16GA. STRANDED.
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTOR'S 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 W]/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
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