



Model: 122174-18

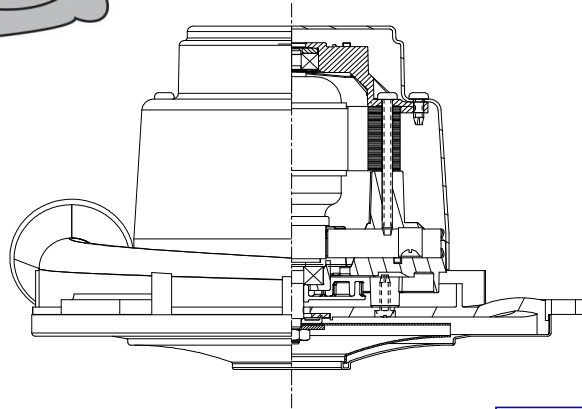


DESCRIPTION

- 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



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

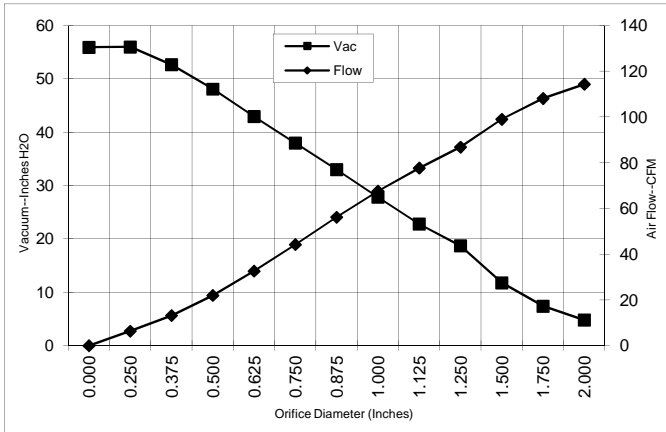
225

Calculated in accordance with ASTM F2105

TYPICAL MOTOR PERFORMANCE.*

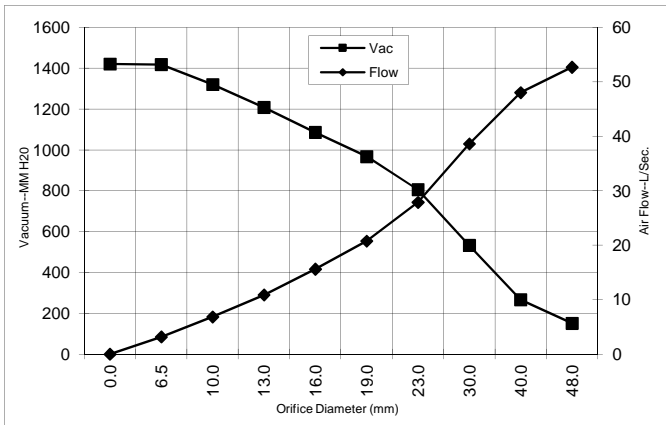
(At 36 VDC, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	18.1	653	17540	4.8	114.4	65
1.750	18.2	655	17510	7.4	108.2	94
1.500	18.2	654	17560	11.8	99.0	137
1.250	17.9	645	17610	18.7	86.9	191
1.125	17.7	637	17800	22.8	77.7	208
1.000	17.3	622	18030	27.8	67.6	222
0.875	16.6	597	18350	33.0	56.2	218
0.750	15.8	571	18780	38.0	44.2	198
0.625	14.8	532	19510	43.0	32.6	165
0.500	13.6	492	20450	48.1	22.0	124
0.375	12.8	461	21290	52.7	13.2	82
0.250	12.2	439	22100	56.0	6.4	42
0.000	11.4	411	22980	55.9	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	18.1	654	17527	151	52.7	78
40.0	18.2	654	17545	266	48.0	125
30.0	17.8	641	17715	533	38.6	201
23.0	16.7	603	18270	806	27.9	219
19.0	15.8	570	18795	967	20.8	197
16.0	14.8	534	19481	1086	15.6	166
13.0	13.8	496	20356	1208	10.9	128
10.0	12.9	466	21164	1320	6.9	88
6.5	12.2	440	22060	1418	3.2	44
0.0	11.4	411	22980	1421	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.

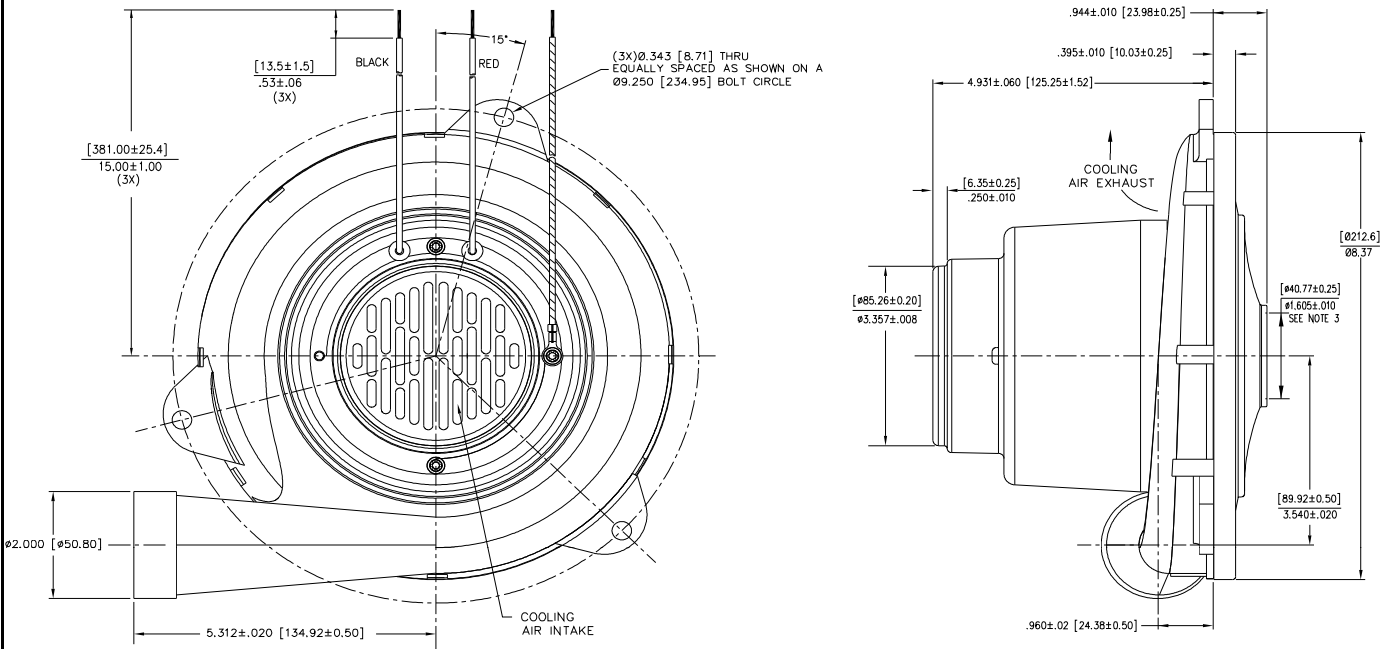
Test Specs:	36	Minimum Sealed Vacuum:	51.0	ORIFICE:	7/8"	Minimum Vacuum:	29.0	Maximum Watts:	670
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DIMENSIONS



NOTES:

1. LEADS: 16GA. STRANDED.
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTORS CODE WITH "FF" SUFFIX, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENT PENDING* AND COUNTRY OF ORIGIN.
3. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
4. ALLOW [0.0026 SQ M]/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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