



Floorcare & Specialty Motors

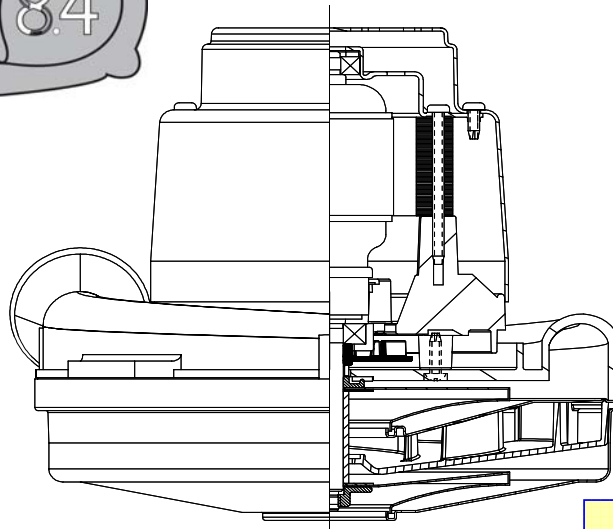
Model: 122207-18

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
- Patent-pending bearing protection for wet applications.

DESCRIPTION

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



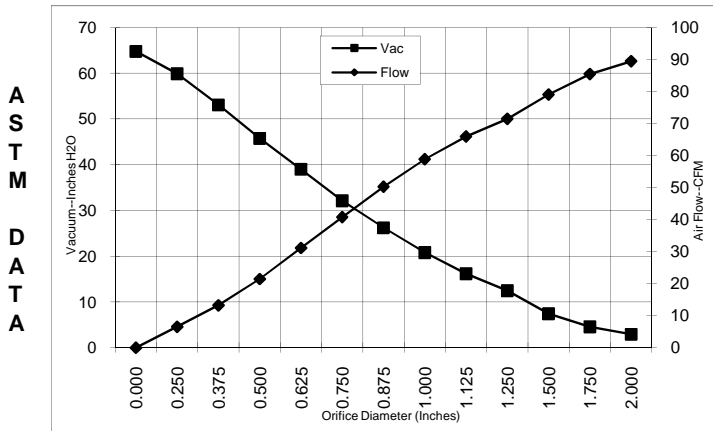
DESIGN APPLICATION

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

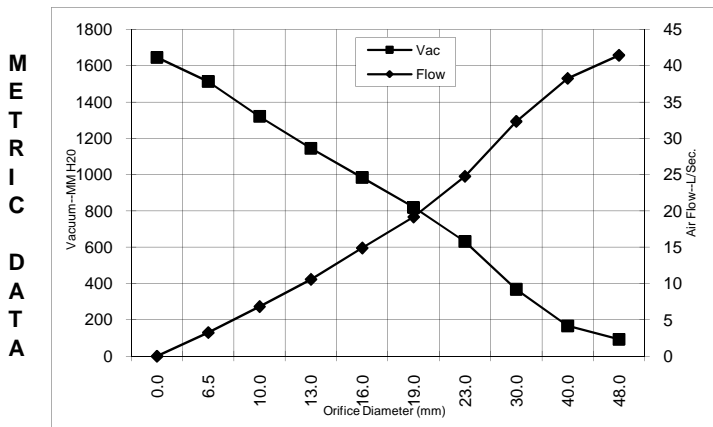
PEAK AIRWATTS
157
Calculated in accordance with ASTM F2105

TYPICAL MOTOR PERFORMANCE.*

(At 24 VDC, test data is corrected to standard conditions of 29.92 Hg, 68° F.)



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	20.0	482	13160	2.9	89.5	31
1.750	20.0	481	13090	4.6	85.5	46
1.500	20.0	483	13070	7.4	79.1	69
1.250	20.1	483	13070	12.5	71.5	105
1.125	20.2	485	13070	16.2	66.0	125
1.000	20.2	488	13010	20.8	58.9	144
0.875	19.7	484	13080	26.2	50.3	155
0.750	18.9	476	13310	32.1	40.8	154
0.625	17.9	455	13800	39.0	31.2	143
0.500	16.5	430	14540	45.7	21.5	115
0.375	15.5	399	15580	53.1	13.2	83
0.250	14.4	373	16560	59.9	6.6	46
0.000	14.5	348	17700	64.8	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	20.0	482	13129	92	41.4	37
40.0	20.0	482	13076	166	38.2	62
30.0	20.1	484	13070	368	32.3	116
23.0	19.9	485	13063	632	24.7	152
19.0	18.9	476	13320	819	19.2	154
16.0	17.9	456	13780	984	14.9	143
13.0	16.7	433	14466	1144	10.6	118
10.0	15.6	404	15424	1320	6.8	88
6.5	14.5	374	16511	1513	3.3	48
0.0	14.5	348	17700	1645	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.

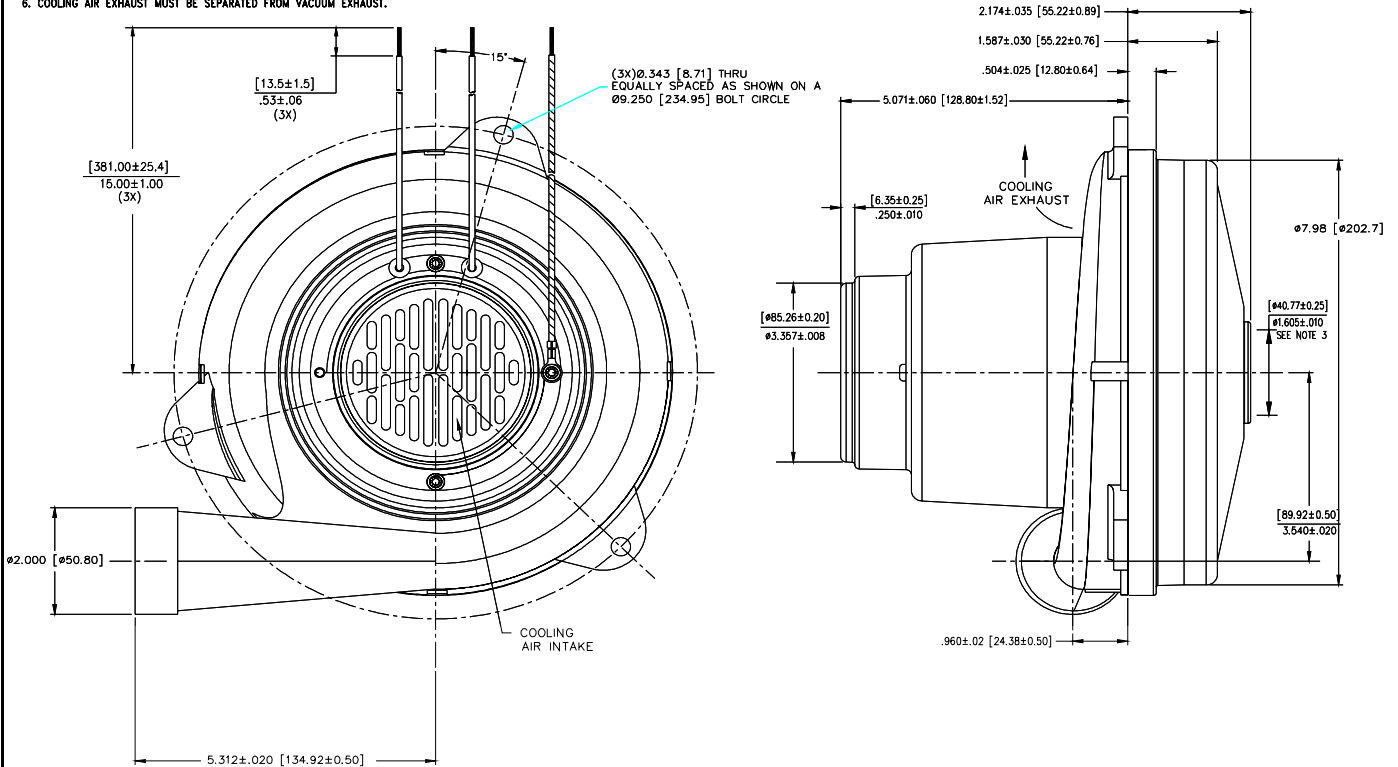
Test Specs:	24	Minimum Sealed Vacuum:	58.0	ORIFICE:	7/8"	Minimum Vacuum:	22.0	Maximum Watts:	520
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DIMENSIONS



NOTES:

1. LEADS: 18GA. STRANDED, BLACK.
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTOR'S 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 [0.0028 SQ MI]/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