



Floorcare & Specialty Motors

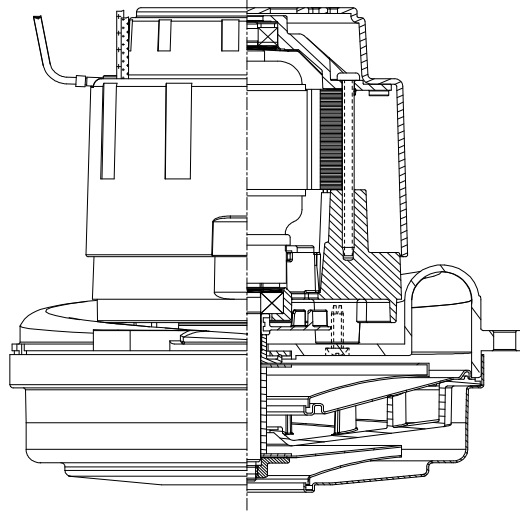
Model: 122378-18

SPECIAL FEATURES

- 1500+ hours life (curved brush)
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- Up to 40% Overall Efficiency
- High efficient cooling system
- Lamb "Green Power Label"
- UL & cUL recognized, category PRGY2 (E47185)
- Locked-rotor, blocked cooling air and running overload protection
- New patent-pending bearing protection for wet applications.

DESCRIPTION

- 120 volts AC
- Two-stage tapered fan
- 6.6" / 162 mm diameter
- Improved sound quality
- "True" tangential discharge bracket
- High-Efficiency "Galaxy" lamination
- Double ball bearings; 10mm output



DESIGN APPLICATION

- Commercial and Residential Central Cleaning Systems
- Car wash vac and blower systems
- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

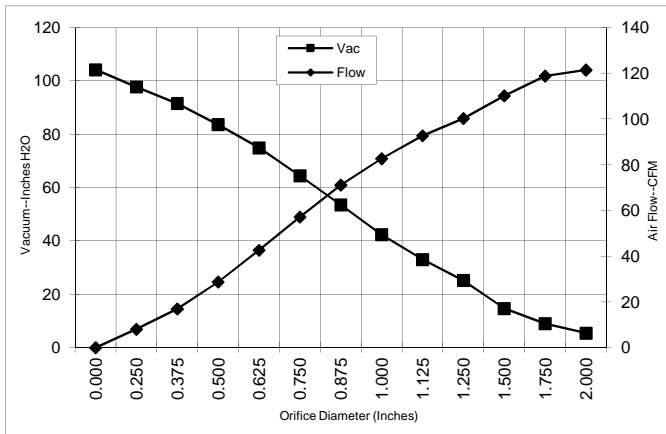
**PEAK AIRWATTS
447**

Calculated in accordance with ASTM F2105

TYPICAL MOTOR PERFORMANCE.*

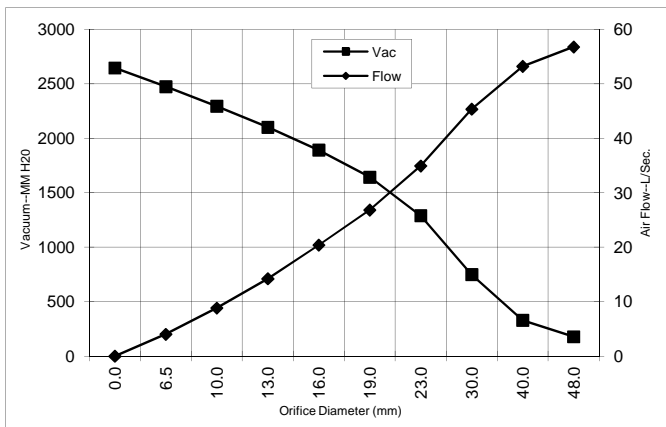
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	10.1	1143	20991	5.5	121.5	78
1.750	10.1	1142	20989	9.0	118.8	126
1.500	10.1	1141	20963	14.7	110.1	190
1.250	10.1	1139	20966	25.2	100.2	297
1.125	10.1	1139	20962	33.0	92.7	360
1.000	10.1	1144	20875	42.4	82.7	411
0.875	10.0	1135	20951	53.6	71.1	447
0.750	9.7	1100	21261	64.5	57.1	432
0.625	9.2	1044	21855	74.9	42.6	375
0.500	8.4	960	22619	83.6	28.7	282
0.375	7.7	878	23526	91.5	17.0	182
0.250	7.1	820	24519	97.7	8.1	93
0.000	6.5	755	25416	104.2	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	10.1	1142	20990	178	56.8	99
40.0	10.1	1141	20971	330	53.2	171
30.0	10.1	1139	20964	750	45.4	331
23.0	10.1	1137	20932	1290	34.9	438
19.0	9.7	1099	21273	1643	26.8	431
16.0	9.2	1046	21831	1892	20.4	377
13.0	8.5	968	22543	2102	14.2	291
10.0	7.8	890	23390	2295	8.8	197
6.5	7.2	823	24470	2475	4.0	97
0.0	6.5	755	25416	2647	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.

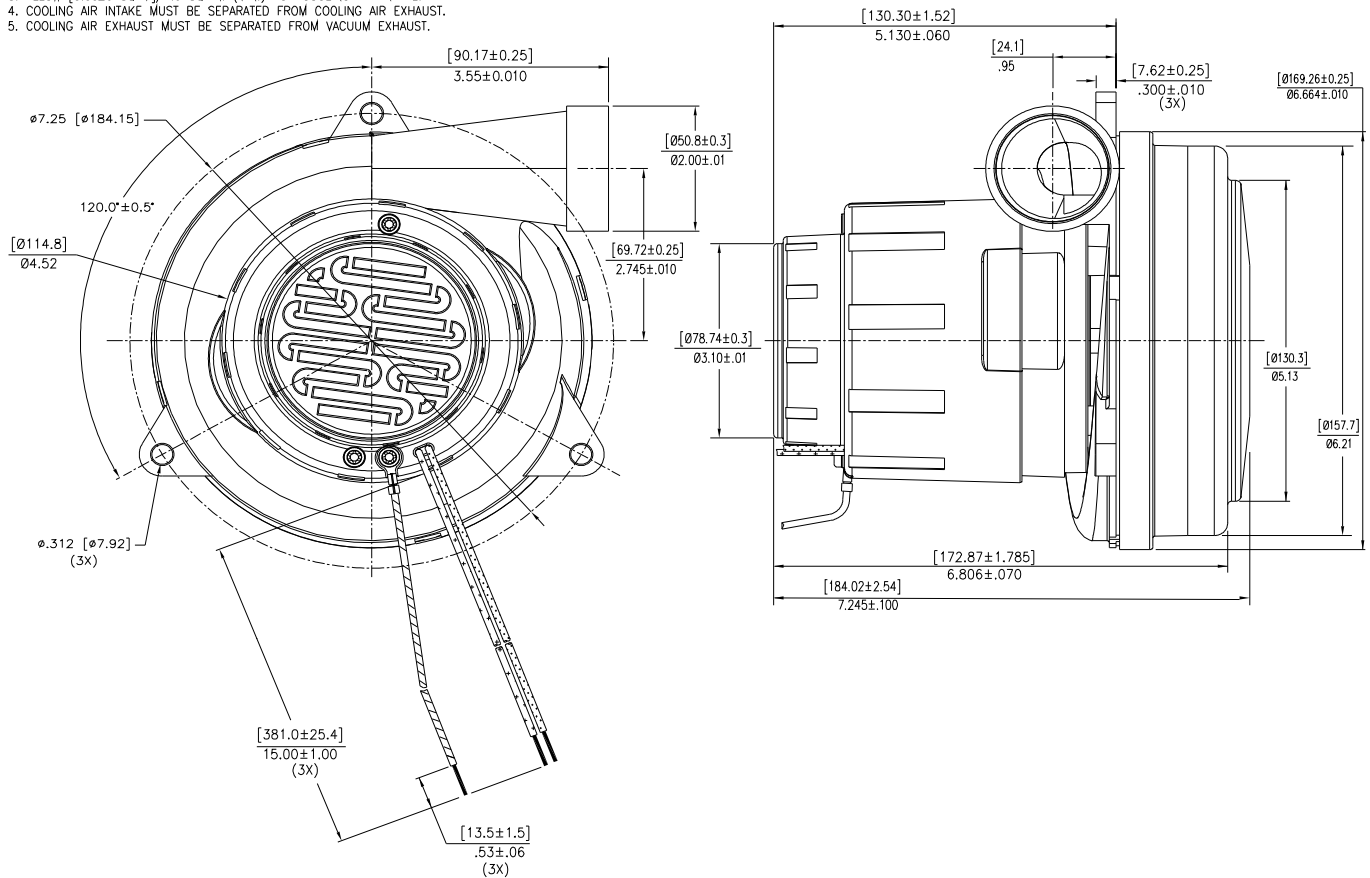
Test Specs:	120 Volts	Minimum Sealed Vacuum: 96"	ORIFICE:	7/8"	Min. Vacuum: 48"	Maximum Watts:	1160
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DIMENSIONS



NOTES:

1. LEADS: 18GA. STRANDED, POWER LEADS BLACK AND WHITE, GROUNDING LEAD GREEN OR GREEN WITH YELLOW STRIPE.
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. ALLOW [0.0026 SQ M]/4.0 SQ IN. (MIN.) FOR COOLING AIR INTAKE.
4. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
5. 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

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