



Floorcare & Specialty Motors

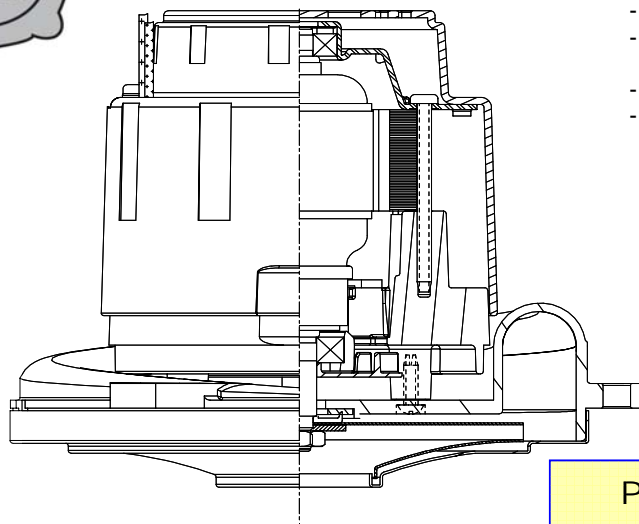
Model: 122230-00

SPECIAL FEATURES

- 2000+ hours life
- High efficient cooling system
- Lamb "Green Power Label"
- UL recognized, category PRGY2 (E47185)
- CSA certification pending
- Optional new patent-pending bearing protection for wet applications.

DESCRIPTION

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



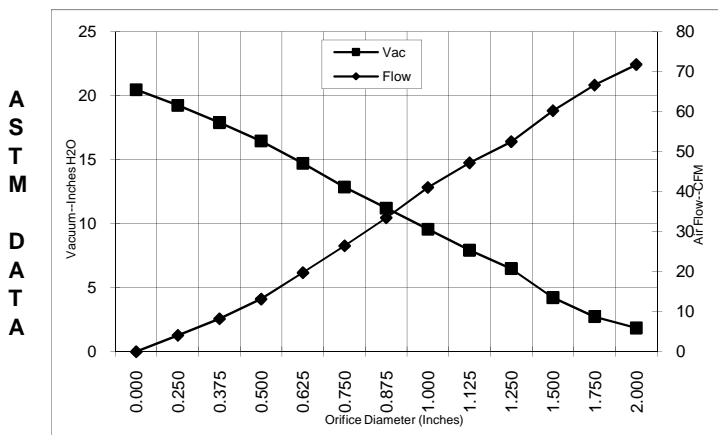
DESIGN APPLICATION

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

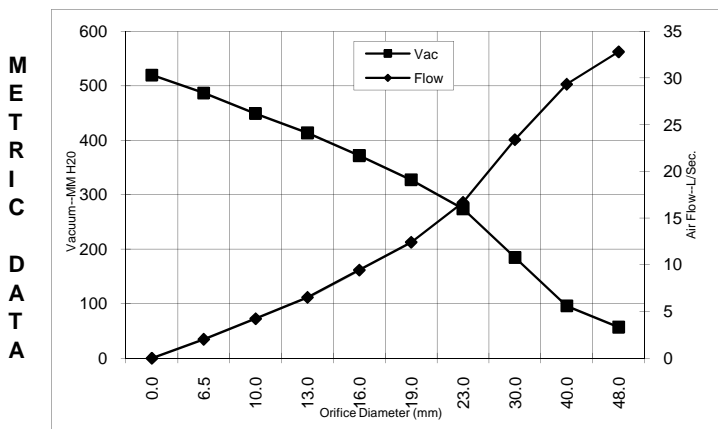
PEAK AIRWATTS
46
Calculated in accordance with ASTM F2105

TYPICAL MOTOR PERFORMANCE.*

(At 12 VDC, test data is corrected to standard conditions of 29.92 Hg, 68° F.)



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	16.4	198	10047	1.9	71.7	16
1.750	16.4	197	10027	2.7	66.6	21
1.500	16.3	197	10000	4.2	60.2	30
1.250	16.2	196	10055	6.5	52.5	40
1.125	16.1	194	10139	7.9	47.2	44
1.000	15.9	191	13310	9.6	41.1	46
0.875	15.7	188	10523	11.2	33.5	44
0.750	15.3	184	10830	12.9	26.4	40
0.625	14.9	179	11288	14.7	19.7	34
0.500	14.3	172	11908	16.5	13.2	24
0.375	13.9	167	12407	17.9	8.2	17
0.250	13.5	163	12905	19.2	4.1	9
0.000	13.2	159	13275	20.5	0.0	0



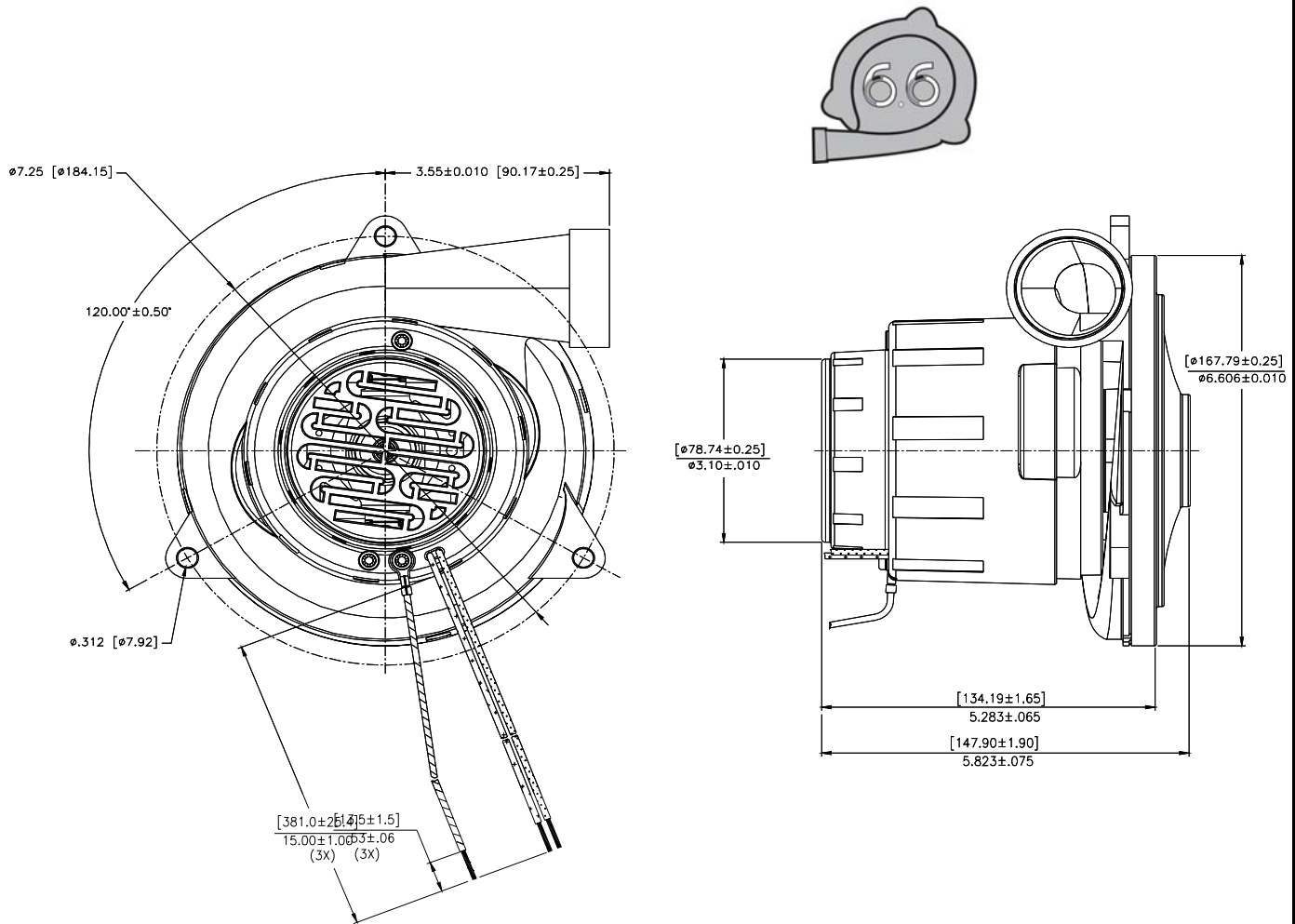
Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	16.4	198	10038	57	32.8	18
40.0	16.4	197	10008	96	29.3	27
30.0	16.2	195	10101	185	23.4	42
23.0	15.7	189	11220	274	16.7	45
19.0	15.3	184	10839	327	12.4	40
16.0	14.9	179	11270	372	9.4	34
13.0	14.3	173	11846	413	6.5	25
10.0	13.9	168	12332	449	4.2	18
6.5	13.6	163	12880	487	2.0	10
0.0	13.2	159	13275	520	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:	12	Minimum Sealed Vacuum:	16.0	ORIFICE:	0.875	Minimum Vacuum:	9.0	Maximum Watts:	210
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DIMENSIONS



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