



Lamb Electric

Product Bulletin

Model: 122580-27

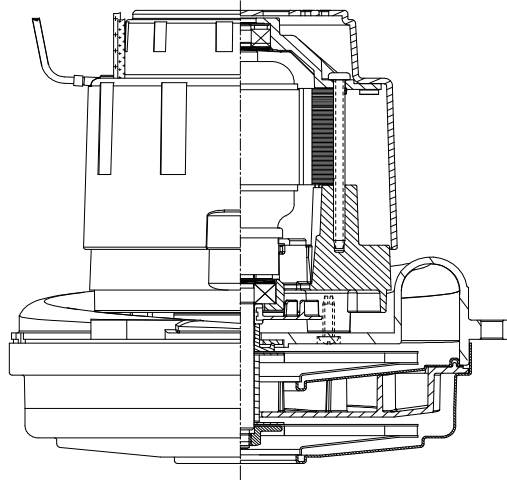


SPECIAL FEATURES

- 1500+ Hours life (Eternity Brush)
- High Efficiency Motor/Fan
- Improved Cooling System
- Enhanced II Bearing Protection
- CAN & US UL recognition marked cRUus
- Categories PRGY2/PRGY8
- File #s E47185 & E56617 (Class B)
- 27 version with terminals on leads

DESCRIPTION

- 240 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

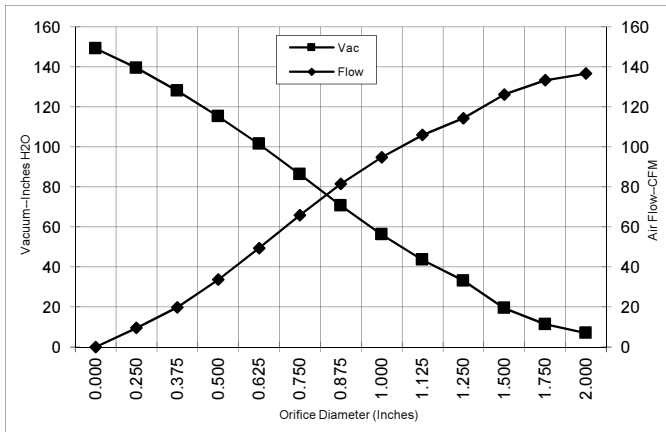
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Calculated in accordance with ASTM F2105

TYPICAL MOTOR PERFORMANCE.*

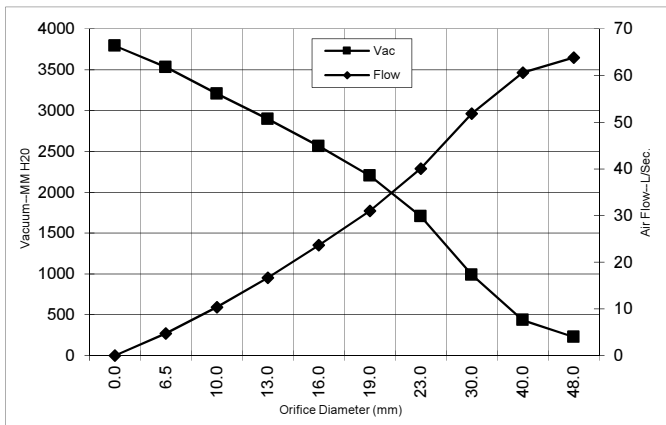
(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	7.1	1613	23184	6.9	136.7	111
1.750	7.1	1609	23096	11.4	133.4	179
1.500	7.2	1621	23017	19.4	126.2	288
1.250	7.3	1642	22885	33.1	114.4	444
1.125	7.3	1650	22870	43.6	106.0	542
1.000	7.3	1649	22894	56.2	94.8	626
0.875	7.2	1625	23059	70.7	81.5	677
0.750	6.9	1572	23376	86.3	65.9	668
0.625	6.6	1486	24037	101.5	49.5	589
0.500	6.0	1367	25079	115.3	33.7	456
0.375	5.3	1213	26530	128.1	19.9	299
0.250	4.7	1088	28029	139.5	9.5	156
0.000	4.2	985	29623	149.2	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	7.1	1611	23145	227	63.8	141
40.0	7.1	1617	23041	432	60.6	255
30.0	7.3	1646	22876	987	51.8	498
23.0	7.2	1631	23018	1704	40.1	664
19.0	6.9	1570	23389	2201	31.0	667
16.0	6.6	1490	24011	2562	23.7	592
13.0	6.0	1379	24975	2894	16.6	469
10.0	5.4	1236	26312	3204	10.4	322
6.5	4.7	1094	27954	3528	4.7	163
0.0	4.2	985	29623	3790	0.0	0

Note: Metric Performance data is calculated from the ASTM data above.

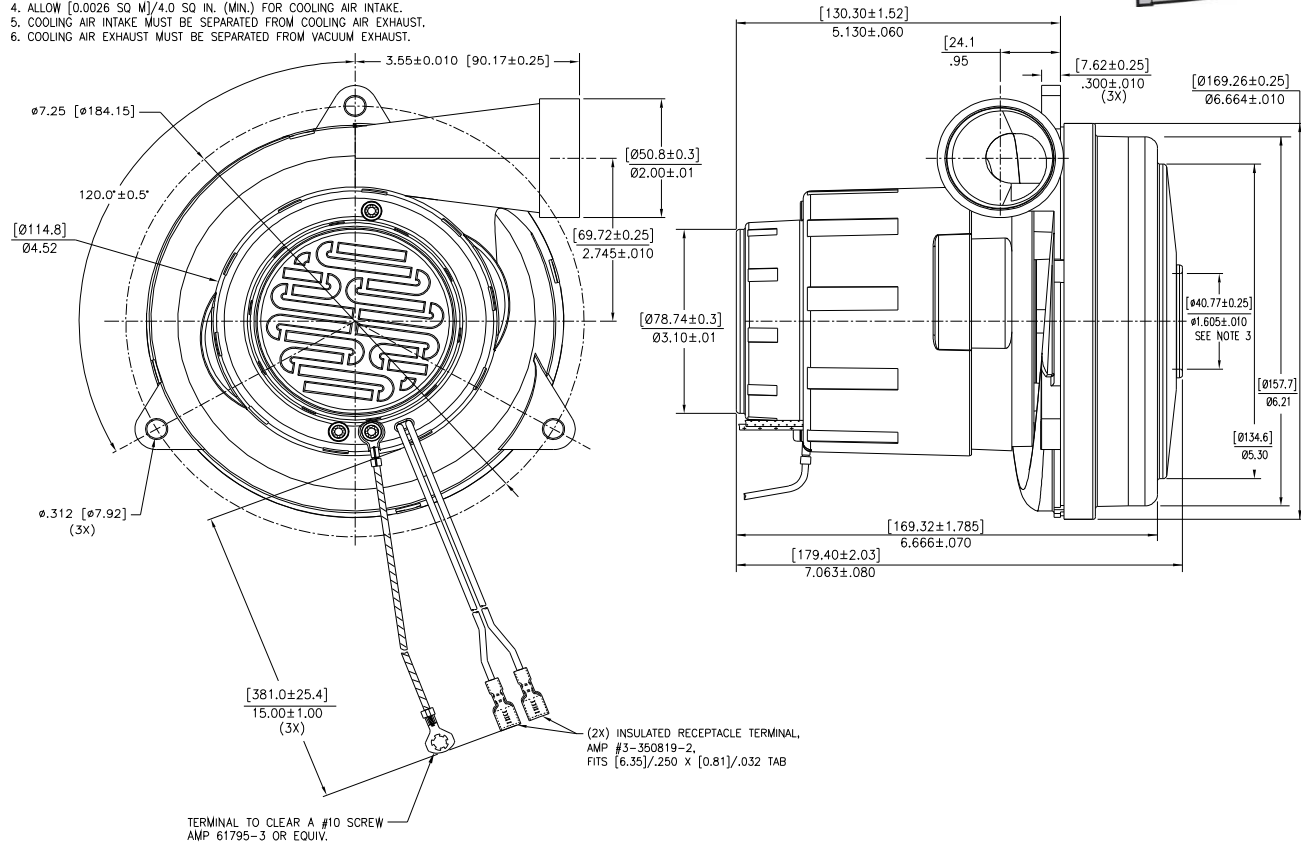
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	230-Volts	Minimum Sealed Vacuum:	130"	ORIFICE:	7/8"	Min. Vacuum:	62"	Maximum Watts:	1640
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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, 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 [0.0026 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 Dynmaic Fluid Solutions
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