



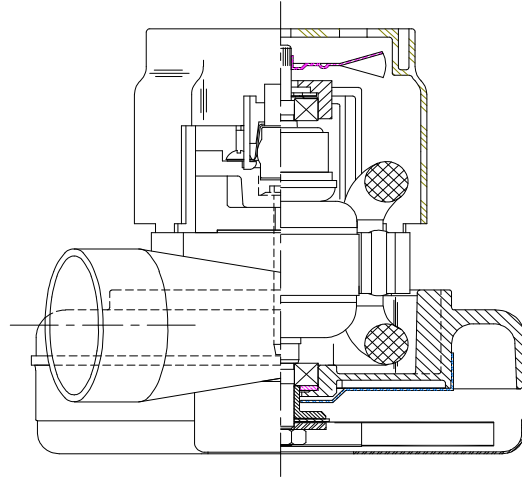
Model: 122678-00

DESCRIPTION

- One stage
- 120 volts
- 5.7"/145 mm diameter
- Ball/ball bearings
- Single speed
- Tangential bypass discharge
- Plastic fan end bracket
- Aluminum commutator bracket

DESIGN APPLICATION

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



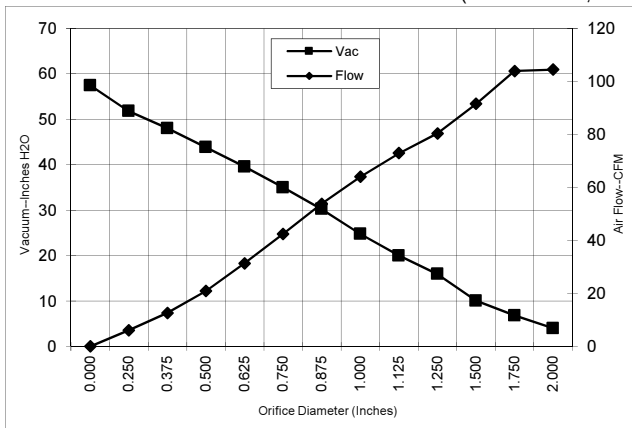
SPECIAL FEATURES

- Long Life 1K+ Hours
- Suitable for 120 volt AC operation, 50/60 Hz
- Thermostat included
- UL/cRU recognized, category PRGY2 (E47185)
- Skeleton-frame design
- Provision for grounding
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

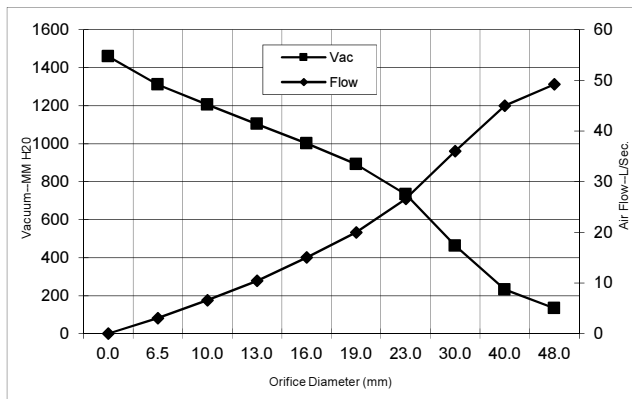
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	6.3	730	19475	4.0	104.5	49
1.750	6.4	731	19420	6.8	103.9	83
1.500	6.4	734	19379	10.0	91.6	108
1.250	6.4	731	19480	15.9	80.4	150
1.125	6.3	728	19582	20.0	73.0	171
1.000	6.2	712	19840	24.8	64.0	186
0.875	6.0	692	20271	30.2	53.8	191
0.750	5.7	661	20884	35.0	42.5	175
0.625	5.4	626	21704	39.6	31.3	146
0.500	5.1	589	22568	43.8	21.0	108
0.375	4.8	558	23473	48.0	12.6	71
0.250	4.5	530	24243	51.8	6.1	37
0.000	4.3	501	25173	57.4	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	6.3	730	19451	133	49.2	64
40.0	6.4	733	19391	230	45.0	100
30.0	6.3	729	19536	461	36.0	162
23.0	6.0	697	20164	733	26.6	190
19.0	5.7	660	20901	891	20.0	174
16.0	5.4	627	21671	1001	15.0	147
13.0	5.1	593	22481	1102	10.4	112
10.0	4.8	563	23337	1204	6.6	77
6.5	4.5	532	24204	1311	3.1	39
0.0	4.3	501	25173	1459	0.0	0

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

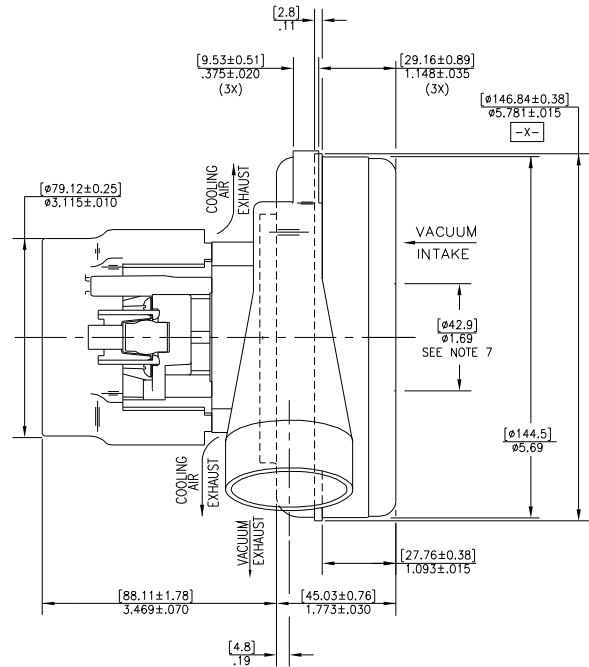
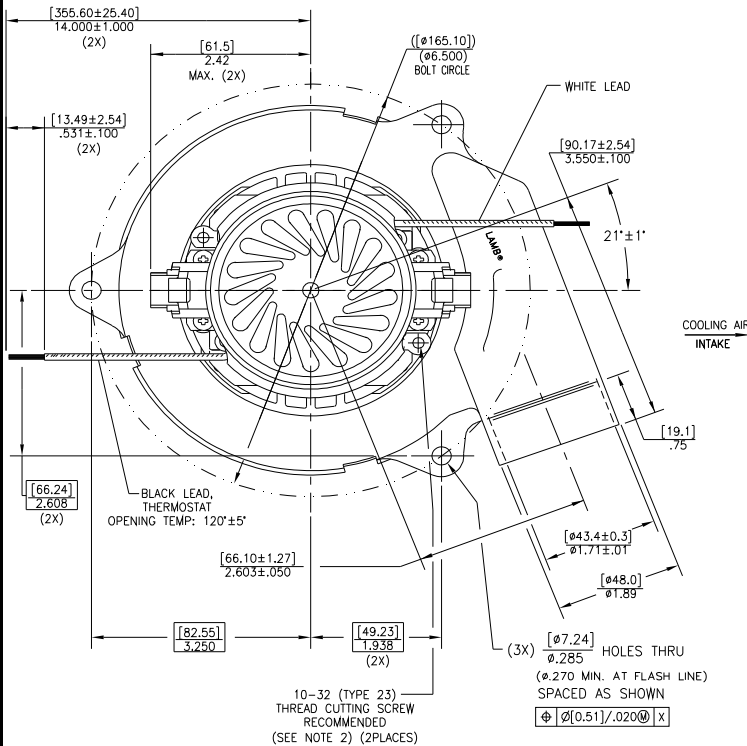
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	120 volts	Minimum Sealed Vacuum: 51"	ORIFICE:	7/8"	Minimum Vacuum: 27"	Maximum Watts:	710
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DIMENSIONS

NOTES:

1. LEADS: 18GA STRANDED, LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE.
2. GROUNDING OR EARTHING PROVISIONS: USE HOLES AS INDICATED FOR GROUNDING OR EARTHING. REFER TO APPROPRIATE LISTING OR REGULATORY AGENCY FOR PROPER METHOD OF GROUNDING OR EARTHING.
3. 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 INFORMATION "ONE OR MORE OF THE FOLLOWING U.S. PATENTS APPLY TO THIS MOTOR: 5482378; 5736805; 4669952; 4684835". AND COUNTRY OF ORIGIN.
4. ALLOW [0.0016 SQ M]/2.5 SQ IN. MIN. FOR COOLING AIR INTAKE.
5. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
6. VACUUM EXHAUST MUST BE SEPARATED FROM COOLING AIR EXHAUST.
7. MOUNTING MUST NOT RESTRICT THIS DIAMETER.



IMPORTANT NOTE: Pictorial and dimensional data are subject to change without notice. Contact factory for current revision levels.

WARNING - When using AMETEK Lamb Electric 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. Lamb Electric 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 Lamb Electric motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

AMETEK Dynamic Fluid Solutions
www.ametekdfs.com