



AMETEK
LAMB ELECTRIC

Product Bulletin

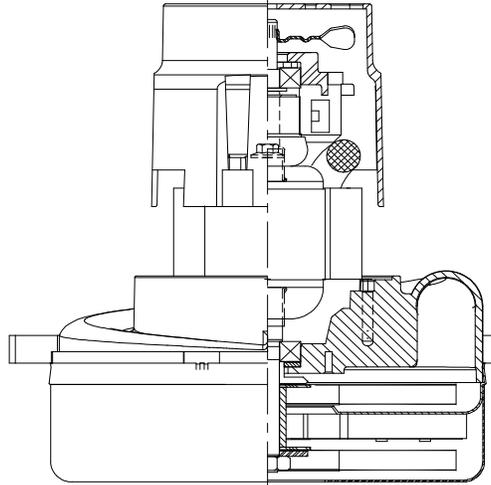
Model: 122558-00

DESCRIPTION

- Two stage
- 24 Volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential bypass discharge
- Thermostat fan end bracket
- Thermostat 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

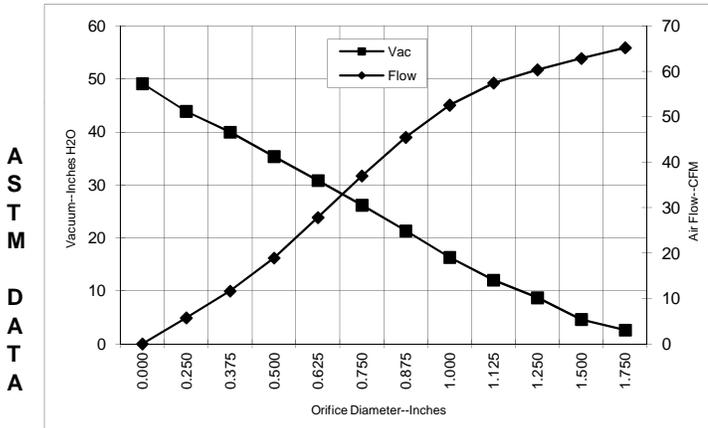


SPECIAL FEATURES

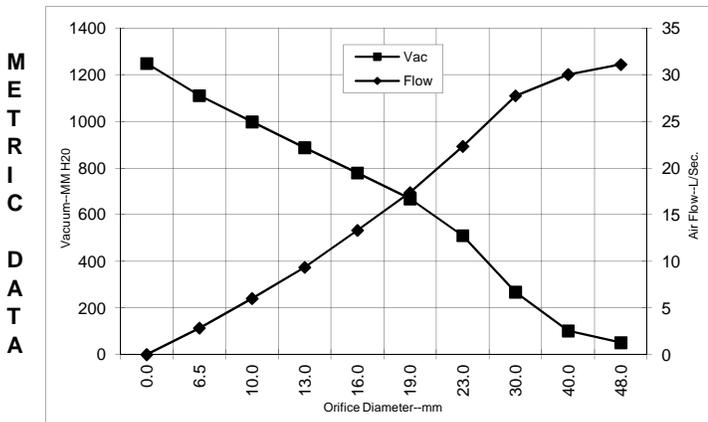
- Suitable for 24 volt DC operation
- UL Recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- Epoxy painted fan case
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs.

TYPICAL MOTOR PERFORMANCE.*

(At 24 volts DC, 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	14.9	358	15,931	1.6	66.4	12
1.750	14.9	359	15,897	2.6	65.2	20
1.500	15.0	361	15,819	4.6	62.9	34
1.250	15.2	365	15,689	8.7	60.4	62
1.125	15.2	366	15,594	12.0	57.4	81
1.000	15.4	370	15,496	16.3	52.6	101
0.875	15.4	370	15,473	21.3	45.5	114
0.750	15.1	363	15,646	26.2	37.0	114
0.625	14.5	350	16,062	30.8	27.8	101
0.500	13.7	331	16,693	35.4	18.9	79
0.375	12.9	311	17,510	40.0	11.6	55
0.250	12.1	292	18,254	43.9	5.7	30
0.000	11.5	278	18,964	49.1	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	14.9	359	15916	52	31.1	16
40.0	15.0	361	15842	102	30.0	30
30.0	15.2	366	15637	268	27.7	72
23.0	15.4	370	15479	510	22.3	111
19.0	15.1	363	15655	668	17.4	114
16.0	14.6	350	16045	779	13.3	101
13.0	13.8	332	16630	887	9.4	81
10.0	13.0	314	17388	998	6.0	58
6.5	12.1	293	18217	1110	2.8	31
0.0	11.5	278	18964	1248	0.0	0

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

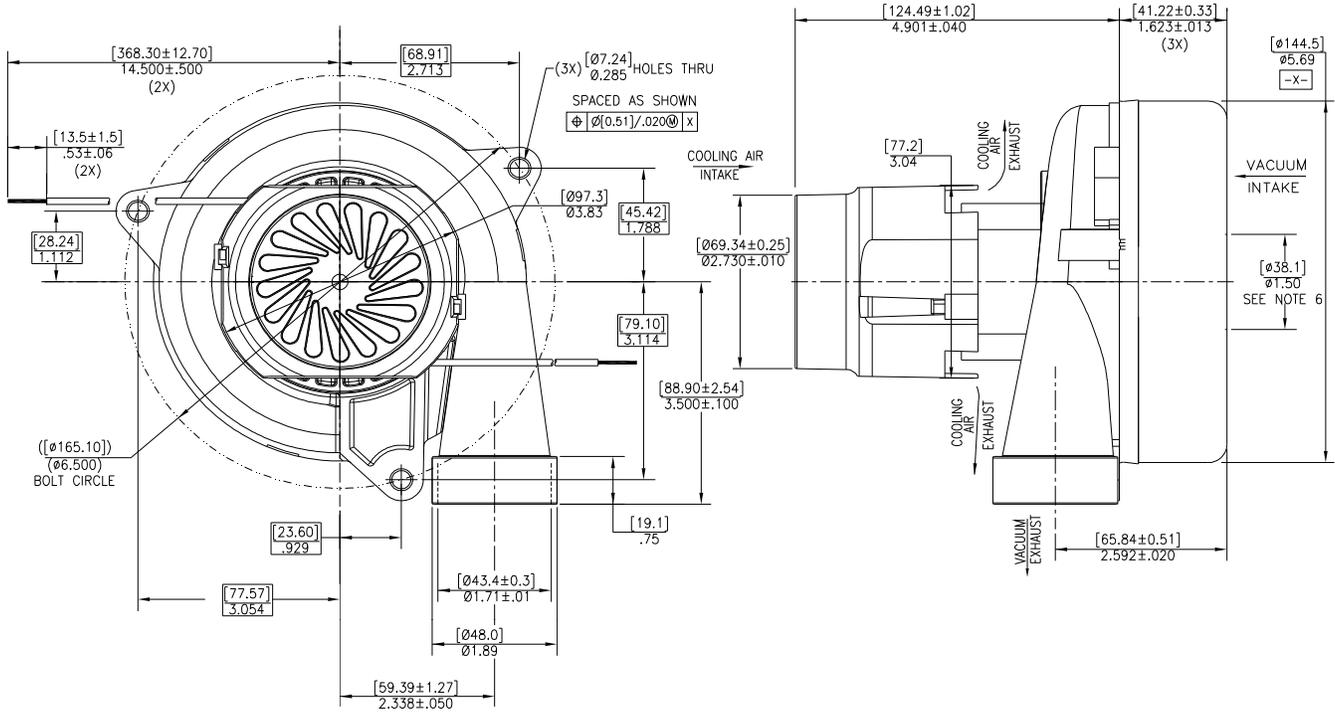
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	24 volts	Minimum Sealed Vacuum: 43"	ORIFICE: 7/8 "	Minimum Vacuum: 17.5"	Maximum Watts: 410
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DIMENSIONS

NOTES:

1. LEADS: 16GA STRANDED, LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE.
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTOR'S CODE WITH "JF" SUFFIX, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENT INFORMATION ONE OR MORE OF THE FOLLOWING PATENTS APPLY TO THIS MOTOR: 5482378; 5736805; 4669952; 4684835; 6472786*, AND COUNTRY OF ORIGIN.
3. ALLOW [0.0016 SQ M]/2.5 SQ IN. MIN. FOR COOLING AIR INTAKE.
4. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
5. VACUUM EXHAUST MUST BE SEPARATED FROM COOLING EXHAUST.
6. 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/Floorcare & Specialty Motors
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