



LAMB ELECTRIC

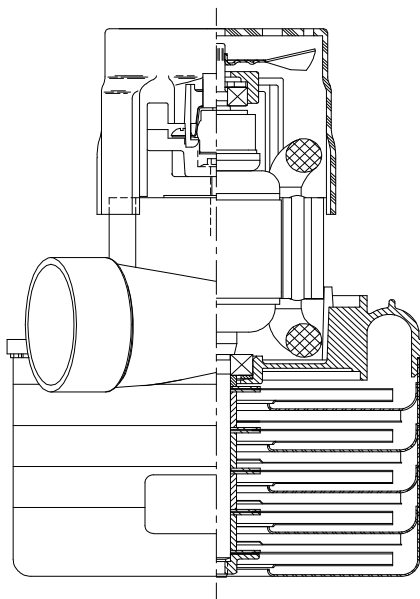
Model: 122509-00

DESCRIPTION

- Five stage Fan system
- 230 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential bypass discharge

DESIGN APPLICATION

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

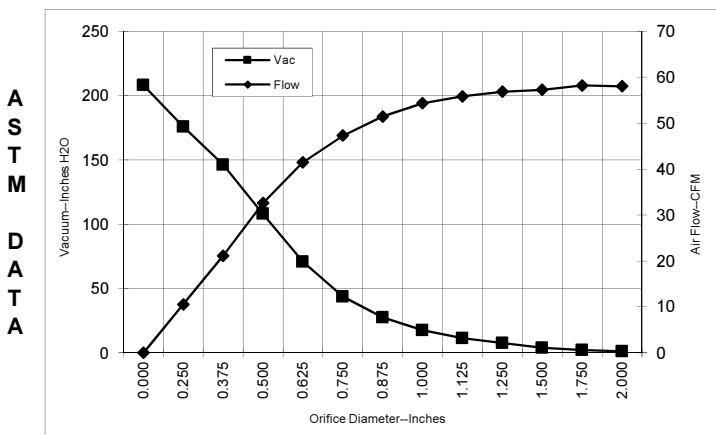


SPECIAL FEATURES

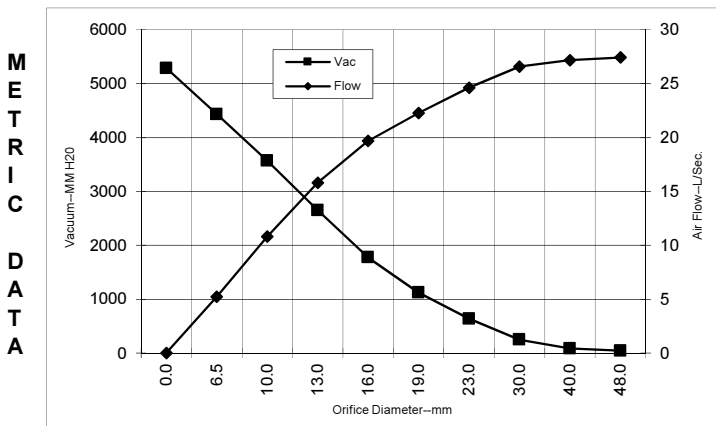
- Suitable for 230 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Open frame design
- Aluminum fan-end bracket designed to dampen vibration and improve durability
- 10 mm shaft and bearing system
- Special fans designed for high pressure/low volume operation
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

(At 230 volts, 60Hz, 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	7.4	1613	20581	1.2	58.0	8
1.750	7.4	1613	20602	2.1	58.2	14
1.500	7.5	1617	20558	3.8	57.3	26
1.250	7.5	1616	20534	7.7	56.8	51
1.125	7.5	1616	20536	11.3	55.9	74
1.000	7.5	1618	20528	17.5	54.3	112
0.875	7.5	1618	20514	27.5	51.4	166
0.750	7.5	1618	20500	43.7	47.3	242
0.625	7.5	1615	20534	70.8	41.5	345
0.500	7.3	1591	20696	108.0	32.6	413
0.375	6.9	1498	21361	146.2	21.2	363
0.250	6.0	1319	22781	175.8	10.5	218
0.000	4.9	1090	24915	208.2	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	7.4	1613	20590	40	27.4	11
40.0	7.5	1616	20571	83	27.2	22
30.0	7.5	1616	20535	246	26.6	64
23.0	7.5	1618	20518	635	24.6	152
19.0	7.5	1618	20501	1123	22.3	244
16.0	7.5	1615	20532	1771	19.7	341
13.0	7.4	1593	20680	2650	15.8	406
10.0	7.0	1512	21261	3567	10.8	370
6.5	6.1	1328	22710	4429	5.2	225
0.0	4.9	1090	24915	5287	0.0	0

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

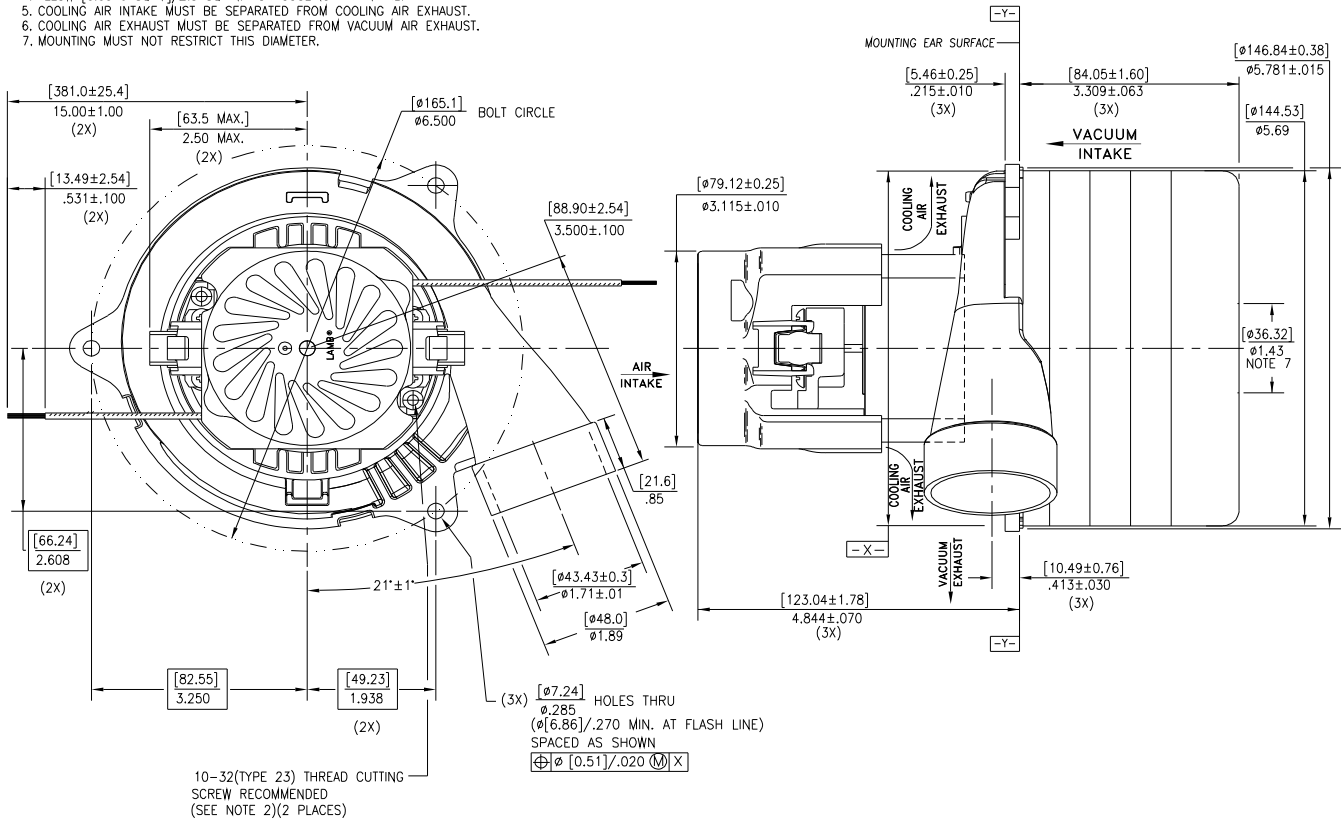
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs: 230 volts	Minimum Sealed Vacuum: 208"	ORIFICE: 7/8"	Minimum Vacuum: 27"	Maximum Watts: 1780
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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, INSPECTION CODE WITH "F" 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", AND COUNTRY OF ORIGIN.
4. ALLOW [0.0016 SQ IN]/2.5 SQ IN. FOR COOLING AIR INTAKE.
5. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
6. COOLING AIR EXHAUST MUST BE SEPARATED FROM VACUUM 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