



LAMB ELECTRIC

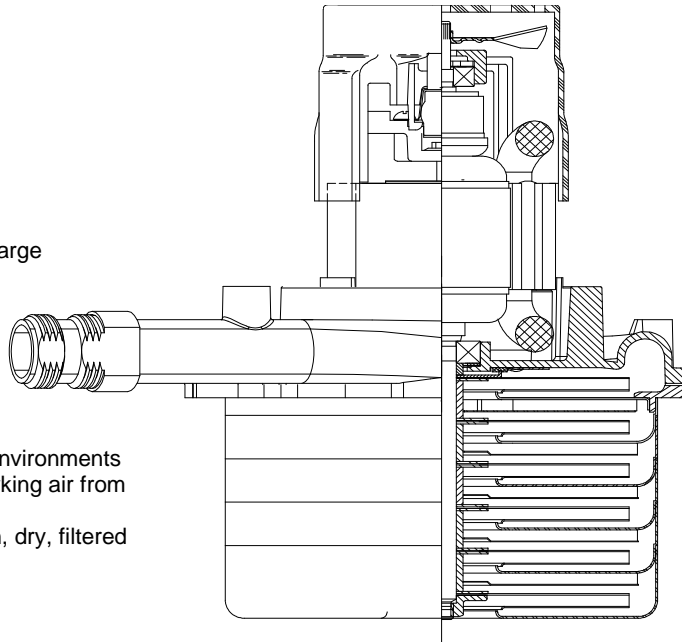
Model: 122097-00

DESCRIPTION

- Six stage Fan system
- 120 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



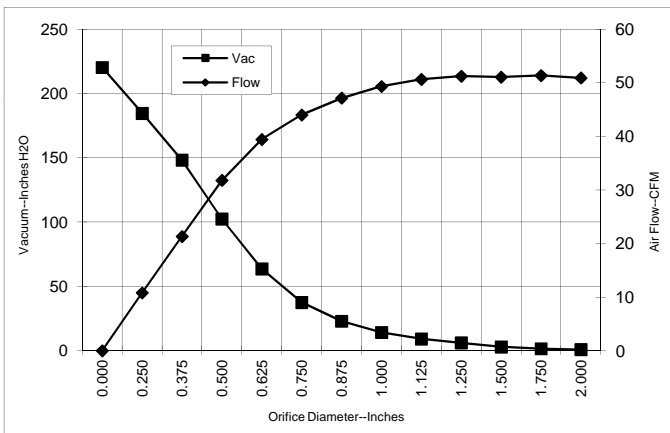
SPECIAL FEATURES

- Suitable for 120 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
- Class B Temperature Insulation

TYPICAL MOTOR PERFORMANCE.*

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

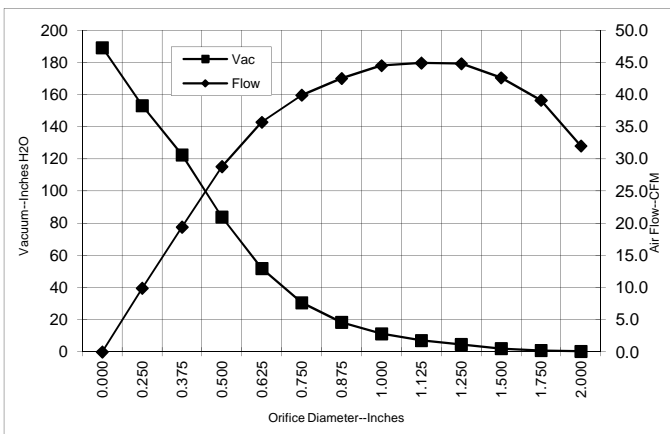
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Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	15.6	1737	19360	0.9	50.9	6
1.750	15.5	1733	19350	1.6	51.4	10
1.500	15.5	1734	19340	3.0	51.1	18
1.250	15.5	1726	19330	6.2	51.2	37
1.125	15.5	1728	19350	9.2	50.7	55
1.000	15.5	1725	19370	14.2	49.3	83
0.875	15.4	1718	19380	23.0	47.1	127
0.750	15.3	1709	19450	37.6	44.0	195
0.625	15.1	1691	19550	63.7	39.4	295
0.500	14.9	1662	19780	102.5	31.8	383
0.375	14.1	1582	20450	148.2	21.3	372
0.250	12.5	1406	21890	184.6	10.8	235
0.000	10.3	1170	24240	220.3	0.0	0

High Speed

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Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	13.0	1346	17350	0	32.0	1
1.750	13.0	1343	17290	1	39.1	4
1.500	13.0	1343	17280	2	42.6	10
1.250	13.0	1340	17260	5	44.8	24
1.125	12.9	1339	17260	7	44.9	38
1.000	12.9	1338	17250	11	44.5	60
0.875	12.9	1339	17230	18	42.5	92
0.750	12.9	1336	17230	31	39.9	144
0.625	12.9	1334	17260	52	35.7	218
0.500	12.8	1322	17410	84	28.8	284
0.375	12.1	1264	17960	123	19.4	279
0.250	10.9	1149	19200	153	9.9	179
0.000	9.1	978	21400	189	0.0	0

Low Speed

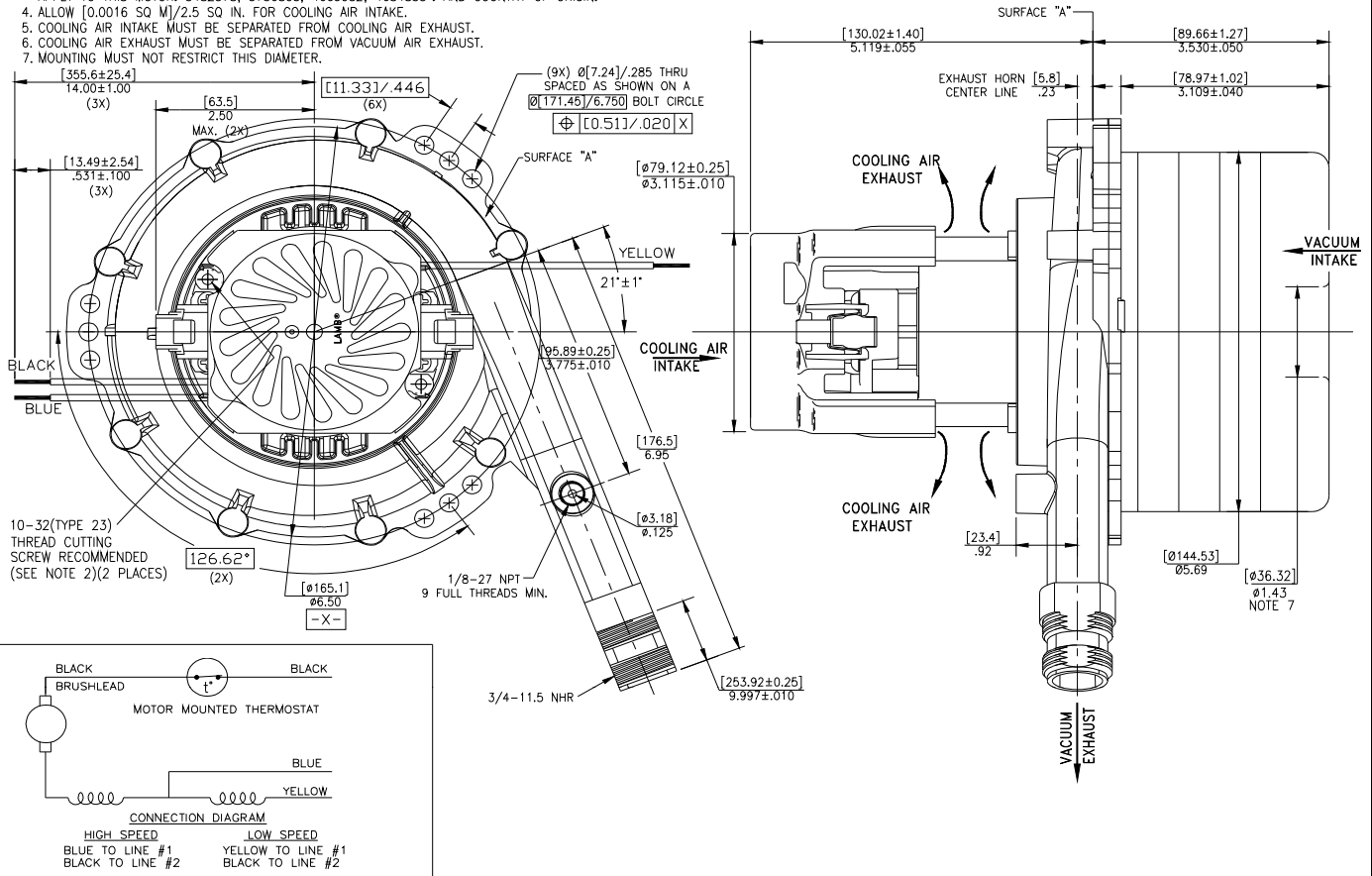
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	120 volts	Minimum Sealed Vacuum:	210.0	ORIFICE:	0.375	Minimum Vacuum:	120.0	Maximum Watts:	1800
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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 MI]/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.

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