



LAMB ELECTRIC

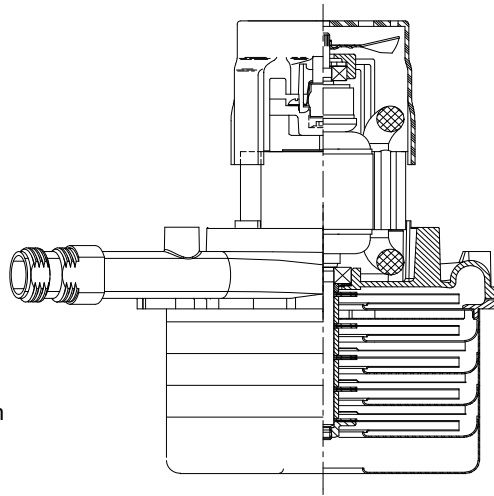
Model: 122220-00

DESCRIPTION

- Five stage
- 120 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential bypass discharge
- Aluminum 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

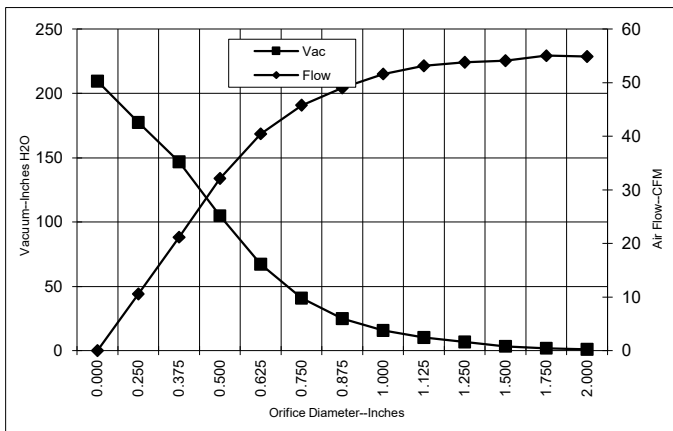
- Suitable for 120 volt AC operation, 50/ 60 Hz
- RU recognized, category PRGY2 (E47185)
- Class B Insulation
- Provision for grounding
- 10mm shaft and bearing system
- Aluminum fan end bracket designed to dampen vibration and improve durability
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

**Confidential Information
Proprietary to Ametek**

TYPICAL MOTOR PERFORMANCE.*

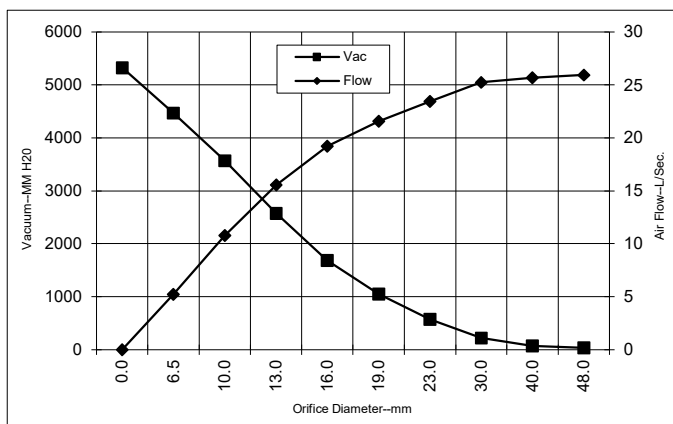
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

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Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	15.1	1687	20532	1.1	54.9	6.9
1.750	15.2	1697	20533	1.8	55.0	11.9
1.500	15.1	1688	20531	3.4	54.1	21.5
1.250	15.1	1686	20543	6.8	53.8	43.2
1.125	15.1	1682	20541	10.2	53.1	63.6
1.000	15.1	1692	20570	15.7	51.6	94.9
0.875	15.0	1680	20611	24.9	49.0	143.3
0.750	15.0	1675	20613	40.8	45.8	219.4
0.625	14.9	1661	20747	67.3	40.5	319.8
0.500	14.6	1636	21019	104.9	32.1	395.7
0.375	13.7	1535	21763	146.7	21.2	364.7
0.250	12.0	1355	23228	177.4	10.6	220.4
0.000	9.9	1130	25484	209.7	0.0	0.0

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Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	15.1	1691	20533	35.9	25.9	9.1
40.0	15.1	1690	20532	74.2	25.7	18.6
30.0	15.1	1684	20542	220.7	25.2	54.4
23.0	15.1	1683	20601	573.9	23.4	131.2
19.0	15.0	1675	20616	1050.8	21.6	221.4
16.0	14.9	1662	20742	1683.1	19.2	315.8
13.0	14.6	1639	20992	2569.9	15.6	388.1
10.0	13.8	1550	21652	3566.7	10.8	369.3
6.5	12.0	1364	23154	4467.0	5.2	227.6
0.0	9.9	1130	25484	5325.6	0.0	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.

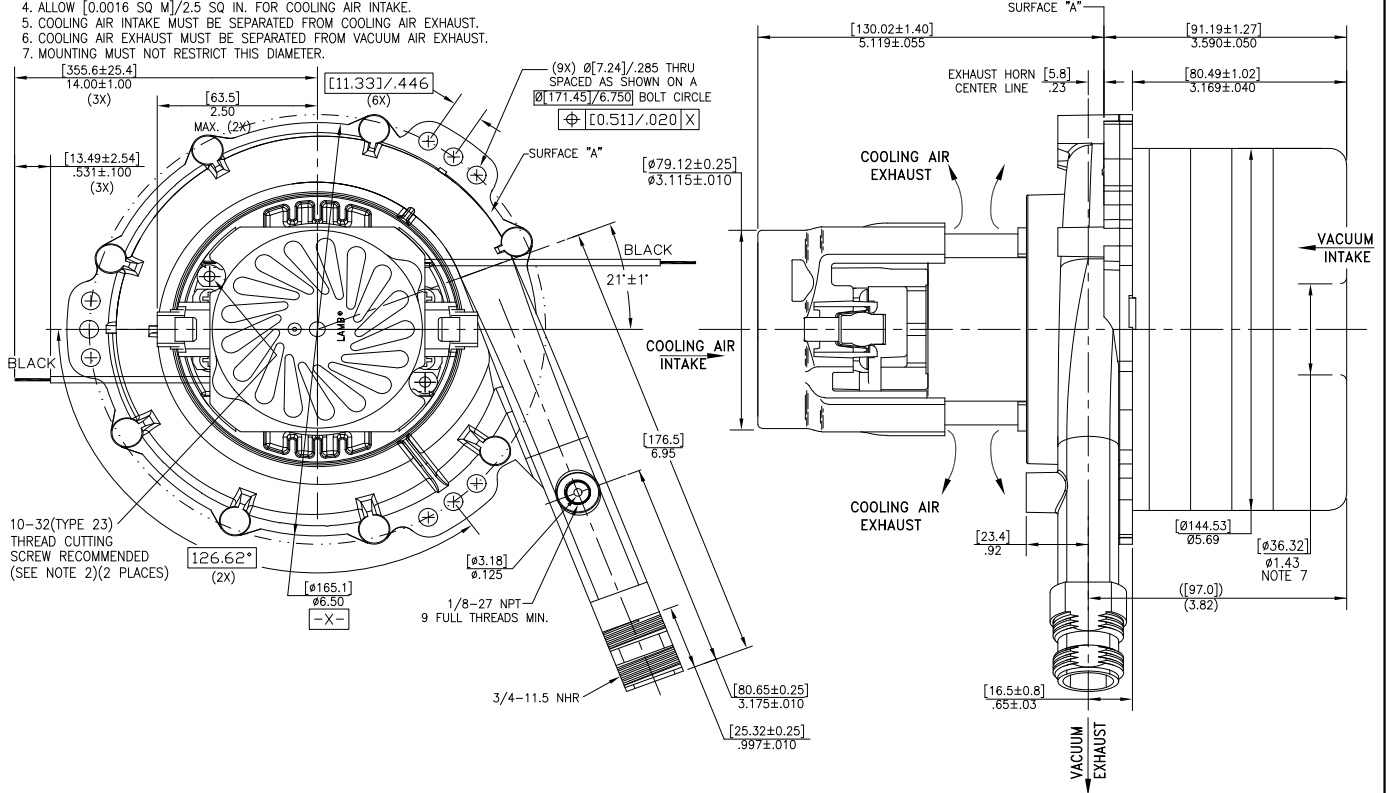
Test Specs:	120 volts	Minimum Sealed Vacuum:	188"	ORIFICE:	3/8"	Minimum Vacuum:	122"	Maximum Watts:	1630
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DIMENSIONS

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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 "T" 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; *08B ARM 02F FLD* AND COUNTRY OF ORIGIN.
- 4. ALLOW [0.0016 SQ M]/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