



Floorcare & Specialty Motors

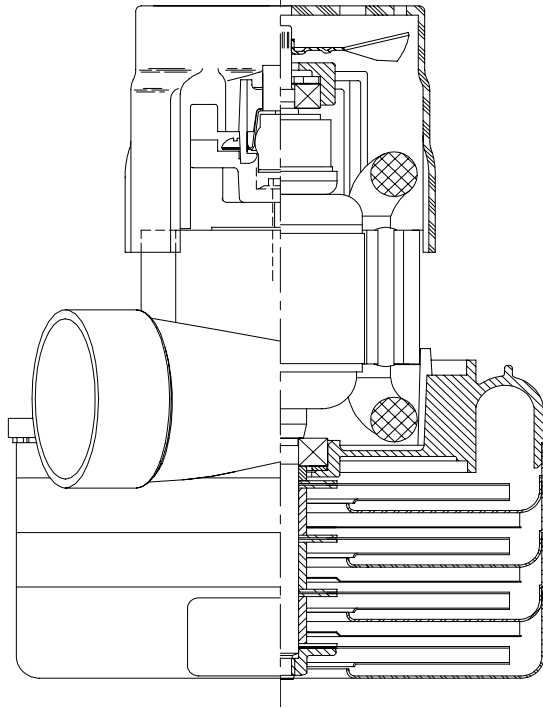
Model: 122195-00

DESCRIPTION

- Four 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

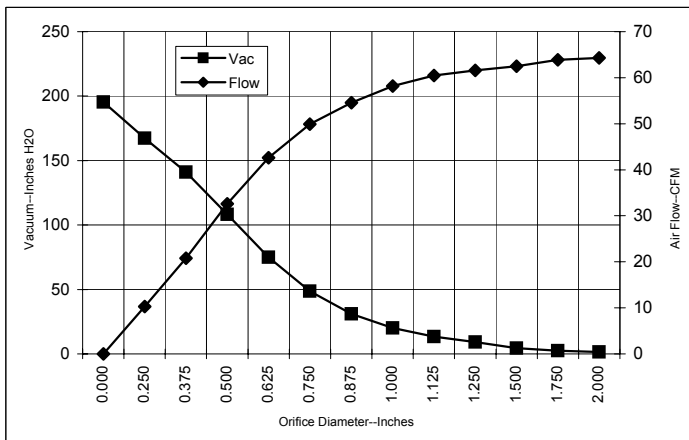
- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Open frame design
- Aluminum fan-end bracket designed to dampen vibration and improve durability
- 10 mm shaft and bearing system
- Special fans designed for high pressure/low volume operation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

TYPICAL MOTOR PERFORMANCE.*

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

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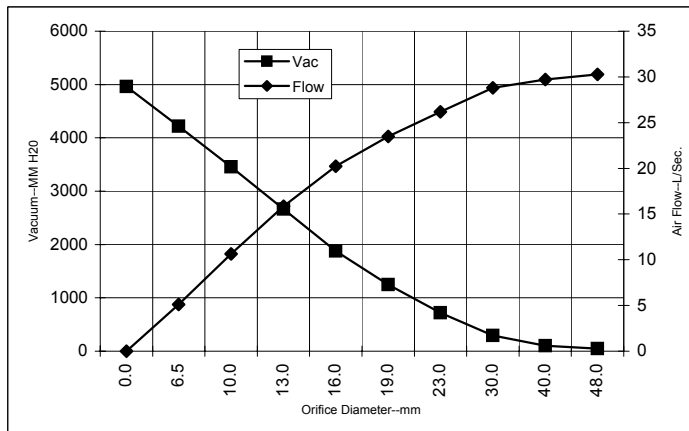
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Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	14.2	1615	22870	1.5	64.3	11
1.750	14.3	1621	22803	2.5	63.9	19
1.500	14.2	1613	22740	4.6	62.5	33
1.250	14.2	1615	22740	9.1	61.6	66
1.125	14.3	1621	22803	13.4	60.5	95
1.000	14.3	1619	22736	20.2	58.2	138
0.875	14.3	1620	22670	31.1	54.6	200
0.750	14.2	1615	22670	48.7	49.9	286
0.625	14.2	1611	22736	74.9	42.6	375
0.500	13.9	1582	23066	108.2	32.6	414
0.375	12.9	1473	23853	141.1	20.8	345
0.250	11.4	1305	25160	167.3	10.3	202
0.000	9.7	1121	27546	195.4	0.0	0

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Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	14.2	1618	22841	49	30.3	15
40.0	14.2	1615	22759	100	29.7	29
30.0	14.3	1618	22775	291	28.8	82
23.0	14.3	1620	22687	721	26.2	185
19.0	14.2	1615	22671	1250	23.5	288
16.0	14.2	1611	22733	1876	20.2	371
13.0	13.9	1585	23033	2664	15.9	410
10.0	13.1	1489	23735	3459	10.7	355
6.5	11.4	1313	25095	4216	5.1	209
0.0	9.7	1121	27546	4963	0.0	0

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

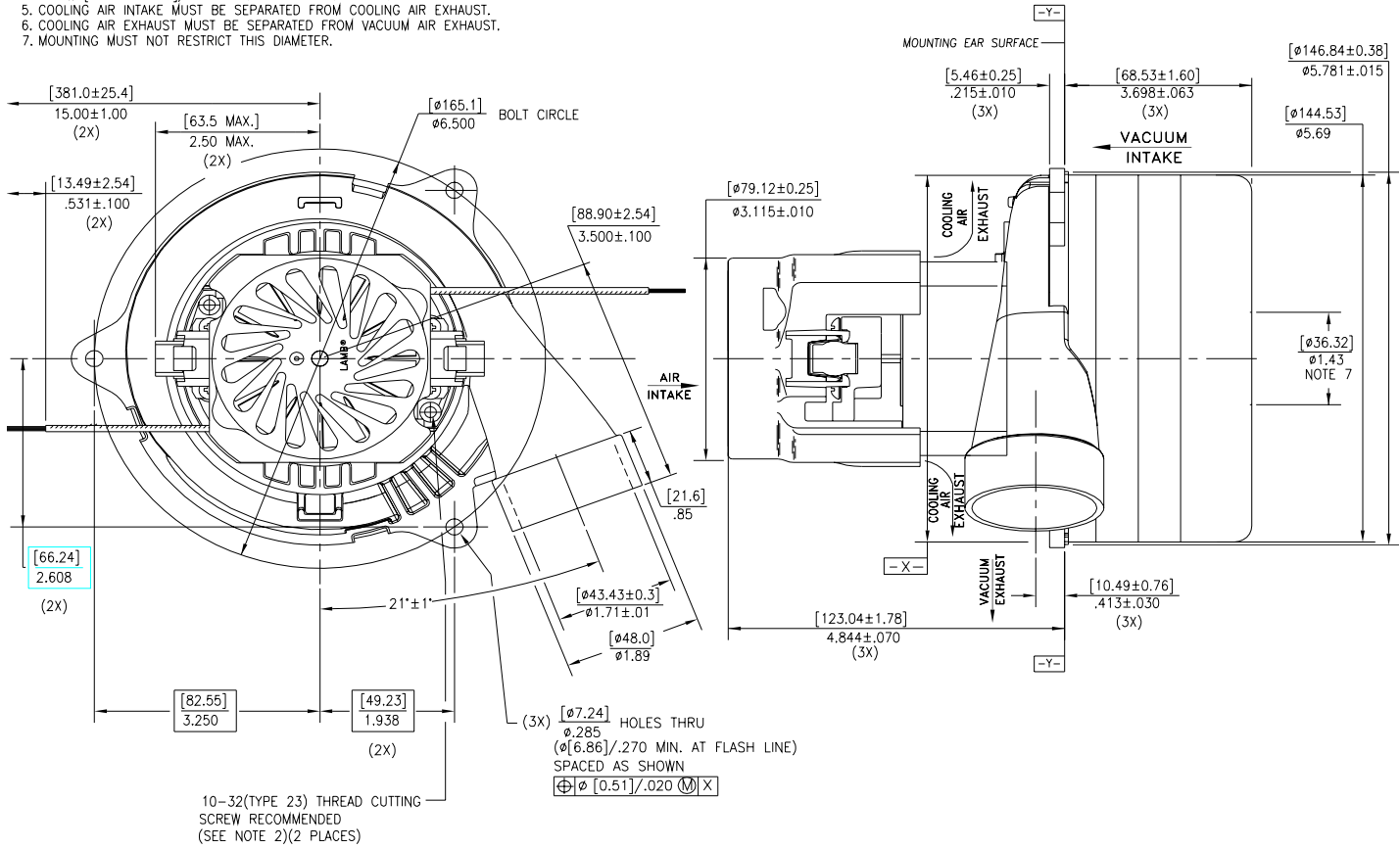
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	120 volts	Minimum Sealed Vacuum:	180.0"	ORIFICE:	13mm	Minimum Vacuum:	99.0	Maximum Watts:	1712
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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 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/Floorcare & Specialty Motors
www.ametekfsm.com

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