

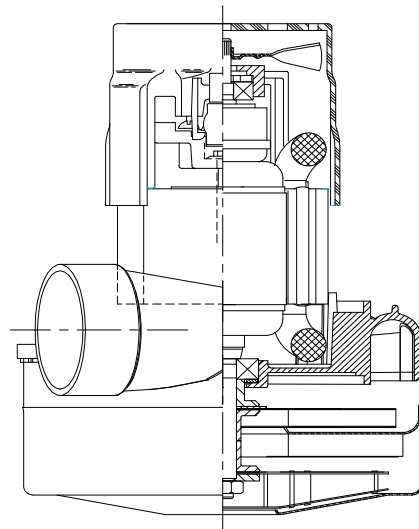


DESCRIPTION

- Two stage
- 240 volts
- 5.7"/ 145 mm diameter
- Dual 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

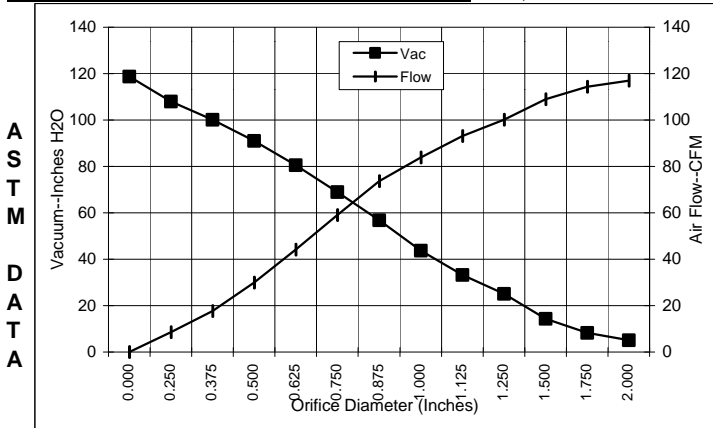


SPECIAL FEATURES

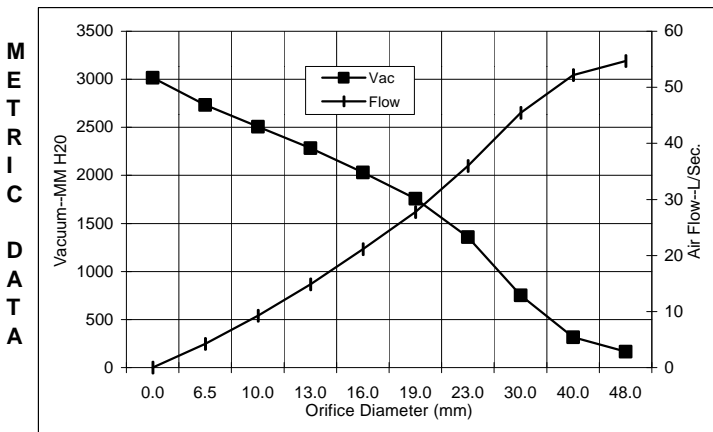
- Suitable for 240 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton frame design
- Tapered fan system
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

(At 240 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	6.6	1511	22,530	5.1	117.0	69
1.750	6.6	1517	22,510	8.3	114.4	112
1.500	6.7	1530	22,460	14.3	108.9	183
1.250	6.7	1542	22,335	25.1	100.1	295
1.125	6.7	1548	22,335	33.3	93.1	365
1.000	6.7	1541	22,340	43.7	83.9	431
0.875	6.6	1520	22,505	56.8	73.6	493
0.750	6.4	1473	22,840	69.0	59.1	479
0.625	6.0	1392	23,470	80.5	44.2	418
0.500	6.0	1293	24,355	91.0	30.0	321
0.375	5.1	1180	25,460	100.1	17.7	208
0.250	4.7	1084	26,585	108.0	8.5	108
0.000	4.3	1011	27,645	118.8	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	6.6	1514	22521	165	54.7	88
40.0	6.7	1526	22475	318	52.2	162
30.0	6.7	1545	22335	752	45.4	334
23.0	6.6	1525	22464	1360	36.0	478
19.0	6.4	1471	22853	1758	27.8	478
16.0	6.0	1395	23445	2033	21.1	420
13.0	6.0	1303	24267	2285	14.8	331
10.0	5.2	1197	25294	2508	9.2	225
6.5	4.7	1089	26529	2733	4.2	113
0.0	4.3	1011	27645	3018	0.0	0

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

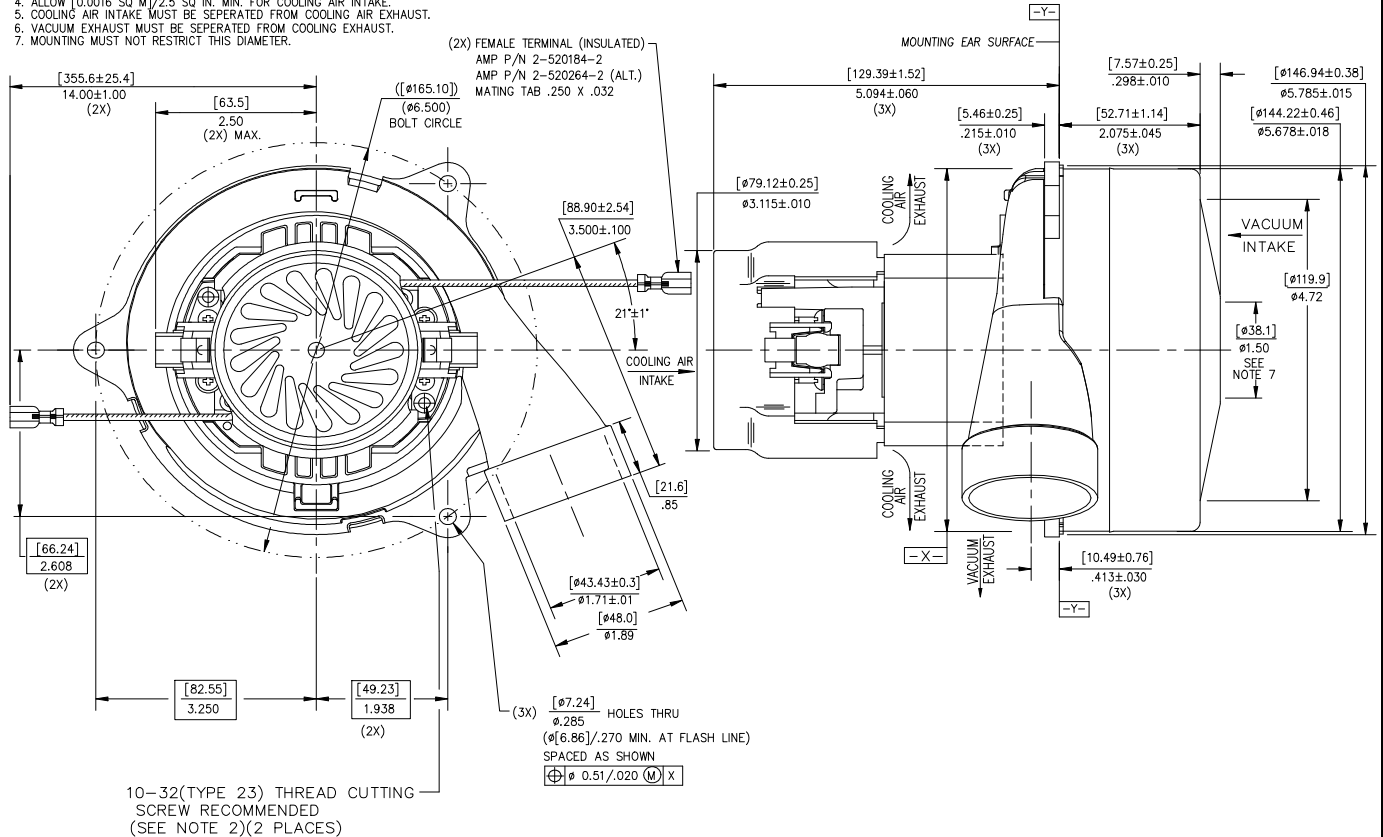
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	240 Volts	Minimum Sealed Vacuum:	114.0"	ORIFICE: 7/8"	Minimum Vacuum:	54.0"	Maximum Watts:	1650
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DIMENSIONS

NOTES:

- LEADS: 18GA STRANDED, LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE.
- 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.
- MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTOR'S CODE, 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 MADE IN THE USA.
- ALLOW 10,0016 SQ. MI/2.5 SQ. IN. MIN. FOR COOLING AIR INTAKE.
- COOLING AIR INTAKE MUST BE SEPERATED FROM COOLING AIR EXHAUST.
- VACUUM EXHAUST MUST BE SEPERATED FROM COOLING AIR EXHAUST.
- 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) of 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 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 motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

AMETEK/Lamb Electric Division
 627 Lake Street
 Kent, Ohio 44240
 U.S.A.
 Tel: (330) 673-3451
 Fax: (330) 673-8994

Ametek GmbH
 P. O. Box 1251
 D-71667 Marbach
 Germany
 Phone: + 49-714-484-9512
 Fax: + 49-714-484-9513

AMETEK/Singapore Private Limited
 10 Ang Mo Kio Street 65
 # 05-12 Techpoint
 Singapore 2056
 Tel: + 65-484-2388
 Fax: + 65-481-6588