



**LAMB ELECTRIC**

**Model: 116549-13**

**SPECIAL FEATURES**

- Suitable for 240 volt operation, 50 or 60 Hz
- UL Recognized, category PGRY2 (E47185)
- Provision for grounding
- Skeleton-frame construction
- Features patented air seal bearing construction, U.S. Patent #4,088,424
- Epoxy painted fan case
- ACUSTEK® low-noise design, U.S. Patent #1,417,200

- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

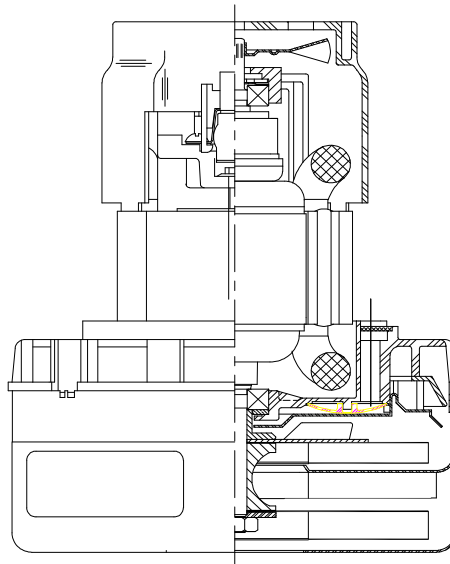


**DESCRIPTION**

- Two stage
- 240 volts
- 5.7"/145 mm diameter
- Double ball bearing construction
- Single speed
- ACUSTEK® low-noise peripheral bypass discharge
- Thermoset fan end bracket
- Aluminum commutator bracket

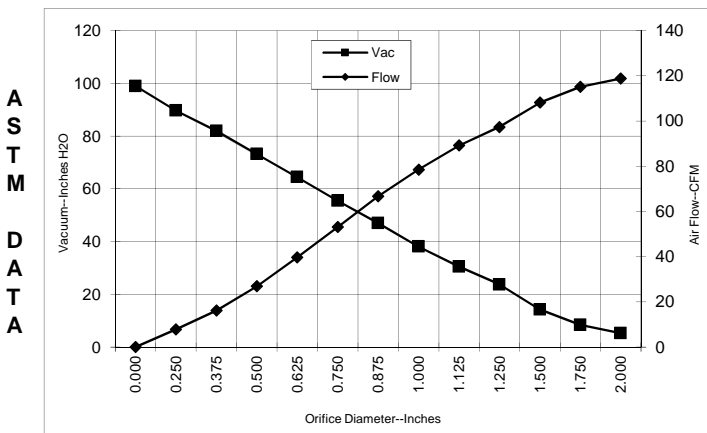
**DESIGN APPLICATION**

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

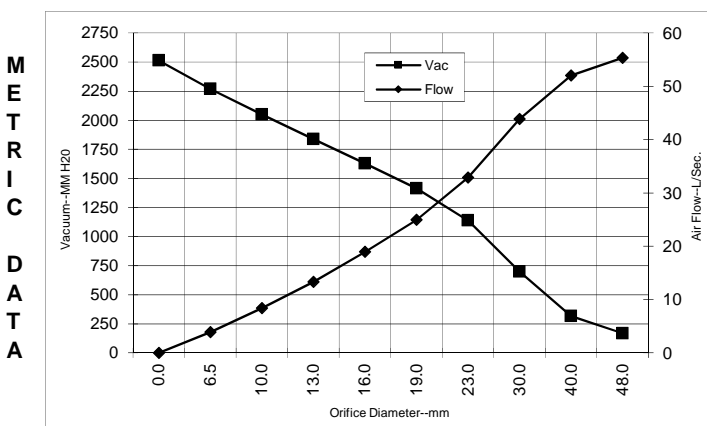


**TYPICAL MOTOR PERFORMANCE.\***

(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.H <sub>2</sub> O)	Flow (CFM)	Air Watts
2.000	6.3	1424	18017	5.2	118.8	73
1.750	6.3	1418	18003	8.4	115.1	114
1.500	6.3	1415	17995	14.2	108.1	180
1.250	6.2	1399	18114	23.7	97.3	271
1.125	6.1	1374	18296	30.5	89.2	320
1.000	5.9	1341	18585	38.1	78.5	351
0.875	5.7	1293	19015	47.0	66.7	368
0.750	5.4	1221	19627	55.5	53.1	346
0.625	5.0	1141	20410	64.5	39.6	300
0.500	4.6	1054	21340	73.2	26.9	231
0.375	4.2	965	22472	81.9	16.1	155
0.250	3.9	890	23608	89.7	7.8	82
0.000	3.6	832	24619	98.9	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	6.3	1422	18011	168	55.3	91
40.0	6.3	1416	17998	316	52.0	160
30.0	6.2	1385	18214	698	43.8	298
23.0	5.8	1305	18907	1137	32.9	364
19.0	5.4	1219	19642	1414	24.9	345
16.0	5.0	1145	20379	1629	19.0	302
13.0	4.7	1063	21247	1837	13.3	238
10.0	4.3	978	22303	2048	8.4	166
6.5	3.9	893	23551	2267	3.9	86
0.0	3.6	832	24619	2513	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.

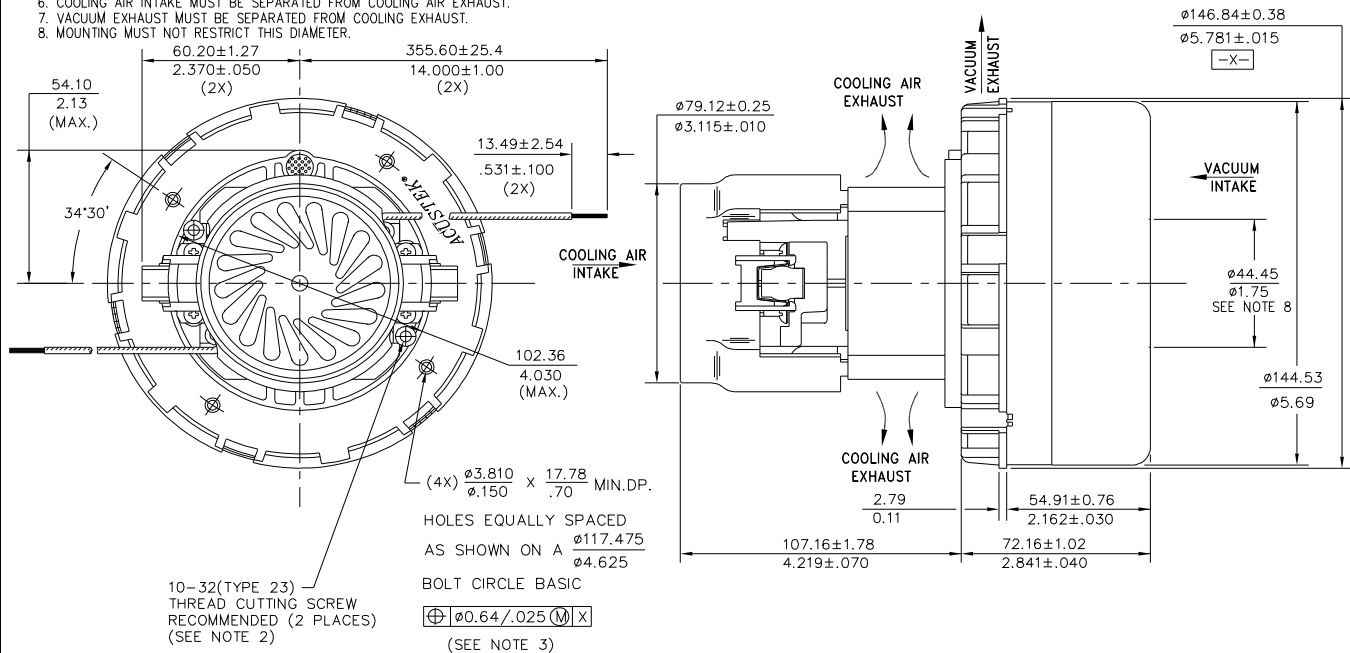
<b>Test Specs:</b> 240 volts	<b>Minimum Sealed Vacuum:</b> 90.0"	<b>ORIFICE:</b> 13mm	<b>Minimum Vacuum:</b> 65.0"	<b>Maximum Watts:</b> 1200
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DIMENSIONS



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. RECOMMENDED SCREW SIZE 10-16 TYPE BT OR TYPE 25 THREAD CUTTING SCREW, MAXIMUM PENETRATION [17.40]/.685.
4. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTOR'S CODE WITH "JF" SUFFIX, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENT INFORMATION "ONE OR MORE OF THE FOLLOWING U.S. PATENTS APPLY TO THIS MOTOR: 5482378; 5736805; 4669952; 4684835; 6472786". AND COUNTRY OF ORIGIN.
5. ALLOW [0.0016 SQ M]/2.5 SQ IN. MIN. FOR COOLING AIR INTAKE.
6. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
7. VACUUM EXHAUST MUST BE SEPARATED FROM COOLING AIR EXHAUST.
8. 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**  
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