AMETEK

LAMB ELECTRIC

Product Bulletin

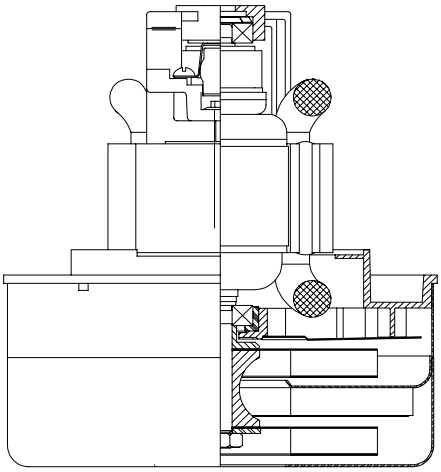
Model: 116278-00

DESCRIPTION

- Two stage
- 240 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Thru-flow 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.



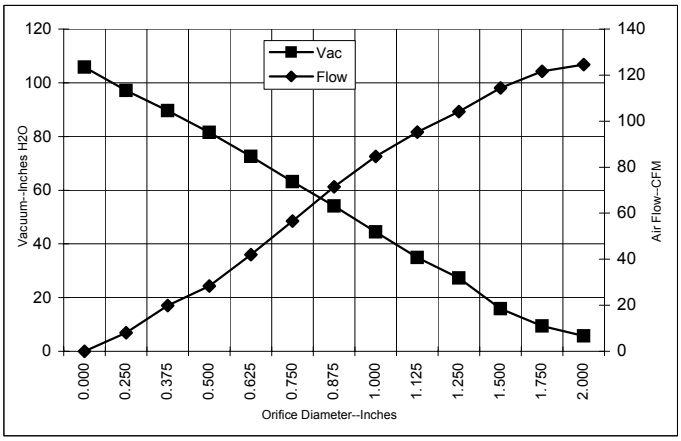
SPECIAL FEATURES

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

TYPICAL MOTOR PERFORMANCE.*

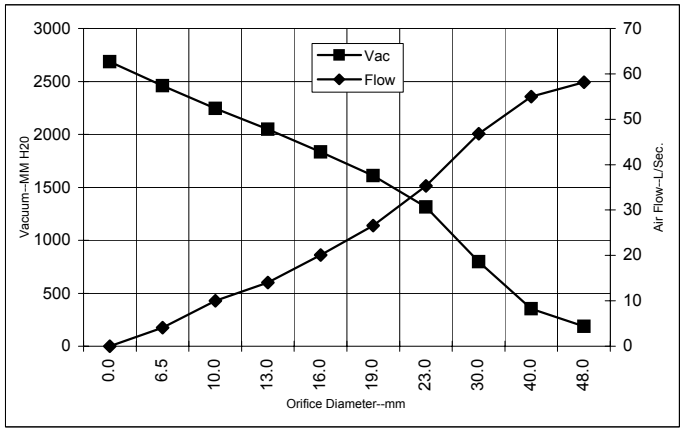
(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	5.5	1274	19687	5.8	124.6	84
1.750	5.5	1275	19667	9.4	121.6	135
1.500	5.6	1280	19640	15.9	114.4	214
1.250	5.6	1283	19577	27.3	104.1	334
1.125	5.6	1279	19600	34.9	95.2	391
1.000	5.5	1265	19687	44.5	84.7	443
0.875	5.3	1221	20090	54.1	71.5	455
0.750	5.0	1162	20677	63.2	56.6	421
0.625	4.7	1085	21453	72.6	42.0	359
0.500	4.3	1002	22423	81.5	28.4	273
0.375	4.0	924	23533	89.6	19.9	178
0.250	3.6	855	24600	97.2	8.1	93
0.000	3.4	803	25607	105.8	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	5.5	1274	19678	187	58.2	107
40.0	5.6	1279	19648	354	55.0	190
30.0	5.6	1281	19590	799	46.8	365
23.0	5.3	1232	19989	1313	35.3	452
19.0	5.0	1160	20693	1610	26.6	420
16.0	4.7	1088	21422	1833	20.1	361
13.0	4.3	1010	22326	2048	14.1	282
10.0	4.0	936	23367	2245	10.0	192
6.5	3.7	858	24547	2458	4.1	97
0.0	3.4	803	25607	2687	0.0	0

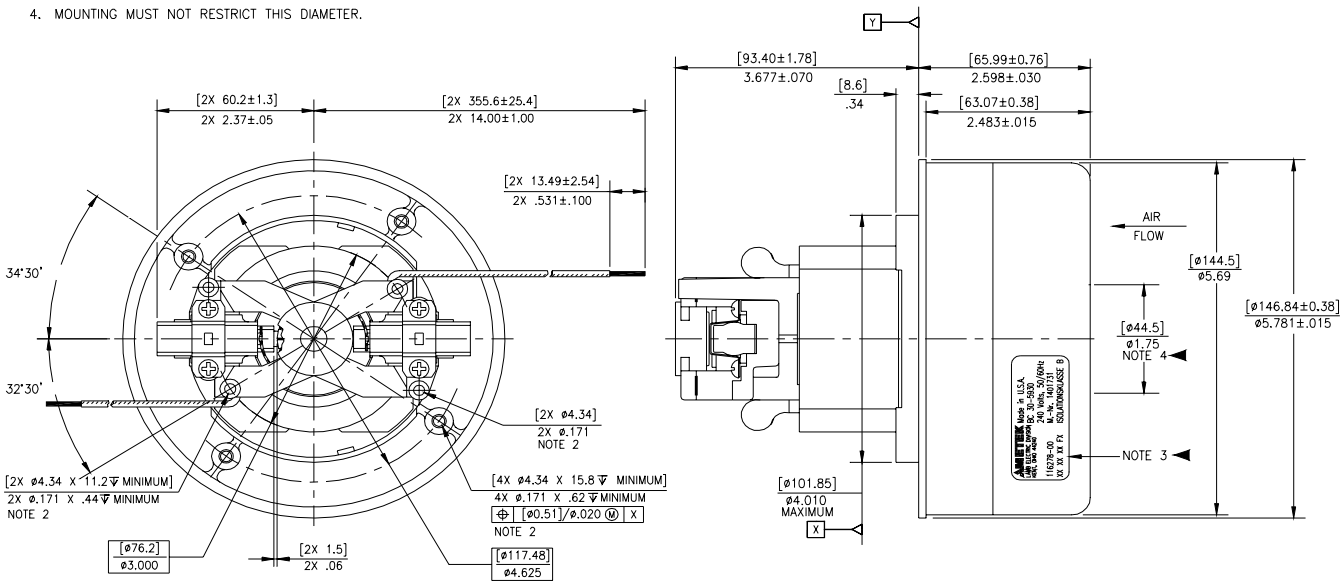
Note: Metric performance data is calculated from the ASTM data above.

* 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:	240 volt	Minimum Sealed Vacuum:		ORIFICE:	13 mm	Minimum Vacuum:	68.0	Maximum Watts:	1000

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: MODEL NUMBER, DATE OF MANUFACTURE, UL & CSA RECOGNITION CODE, INSPECTOR'S CODE, MANUFACTURER'S NAME, MADE IN U.S.A., VOLTAGE, FREQUENCY AND CUSTOMER PART NUMBER, AND ISOLATIONSKLASSE B TO APPEAR ON ASSEMBLY.
4. 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/Lamb Electric Division
627 Lake Street
Kent, Ohio 44240
U.S.A.
Tel: (330) 673-3451 Fax: (330) 673-8994
www.lambelectric.com

Issued: July 2005