

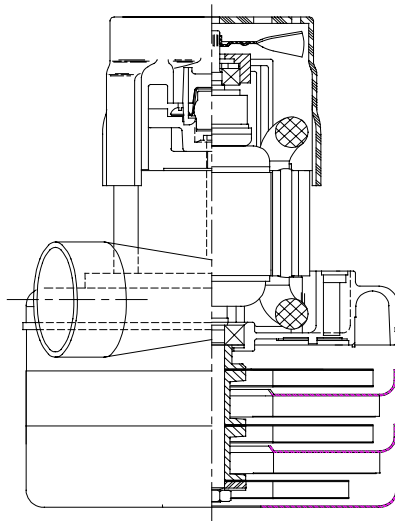


DESCRIPTION

- Three stage
- 230 volt
- 5.7"/145mm 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

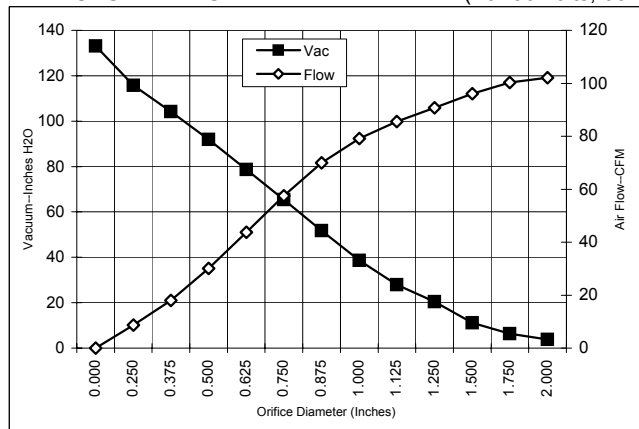
- Suitable for 230 volt AC operation, 50/60 Hz.
- UL recognized, category PRGY2 (E47185)
- 10mm shaft and bearing system
- Provision for grounding.
- Skeleton-frame design
- Aluminum fan end bracket designed to dampen vibration and improve durability.
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

NOTE: This model is the 230 volt version of model 117123-00

TYPICAL MOTOR PERFORMANCE.*

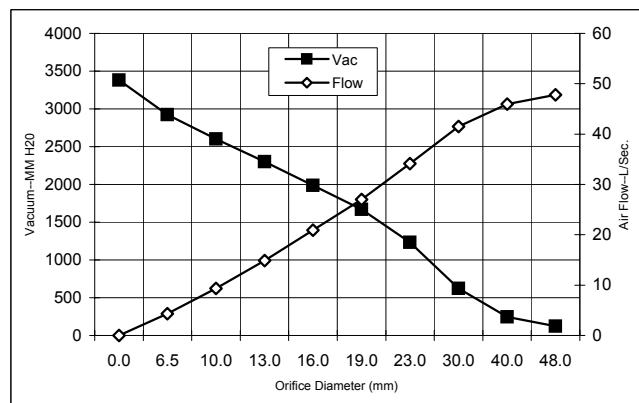
(At 230 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	6.3	1370	19573	3.8	102.1	46
1.750	6.3	1377	19553	6.3	100.3	75
1.500	6.4	1386	19510	11.1	96.1	125
1.250	6.4	1400	19836	20.5	90.8	219
1.125	6.5	1415	19283	27.9	85.6	281
1.000	6.6	1426	19193	38.6	79.1	359
0.875	6.6	1437	19136	51.8	70.0	426
0.750	6.5	1408	19300	65.4	57.5	442
0.625	6.1	1337	19763	78.7	43.7	404
0.500	5.7	1244	20496	91.9	30.1	325
0.375	5.2	1135	21503	104.2	18.0	220
0.250	4.7	1036	22560	115.7	8.7	118
0.000	4.3	950	23616	133.1	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	6.3	1373	19564	124	47.8	59
40.0	6.4	1383	19523	245	46.0	110
30.0	6.5	1408	19532	624	41.5	253
23.0	6.6	1434	19150	1232	34.1	409
19.0	6.5	1407	19309	1668	27.0	441
16.0	6.1	1340	19744	1985	20.9	406
13.0	5.7	1253	20423	2301	14.8	333
10.0	5.3	1151	21352	2600	9.4	236
6.5	4.7	1041	22507	2924	4.3	123
0.0	4.3	950	23616	3381	0.0	0

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

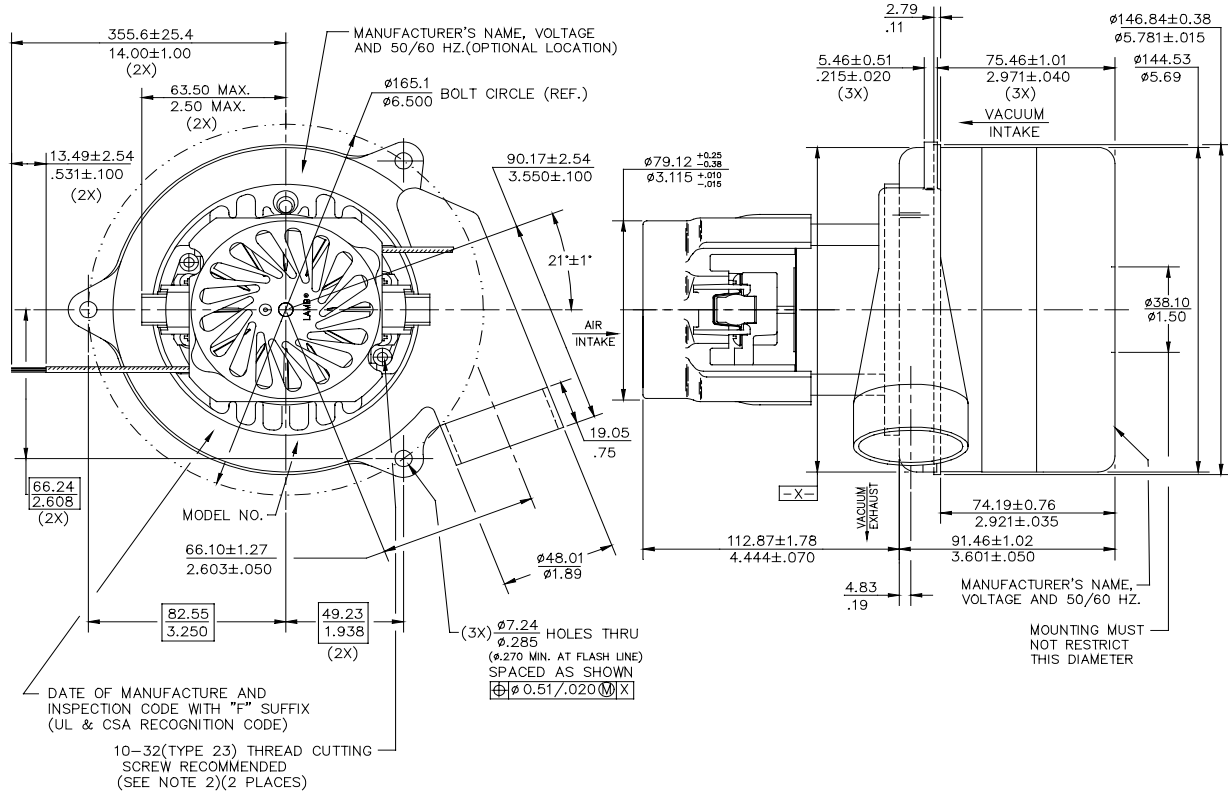
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	230 volts	Minimum Sealed Vacuum:	125.0"	ORIFICE:	7/8 "	Minimum Vacuum:	48.0"	Maximum Watts:	1550
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DIMENSIONS

NOTES:

1. LEADS: 18 GA. 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.



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.

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