



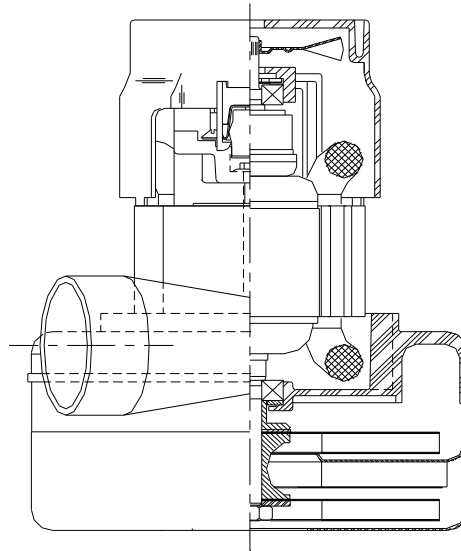
**Model: 117160-13**

**DESCRIPTION**

- Two stage
- 100 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential 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.

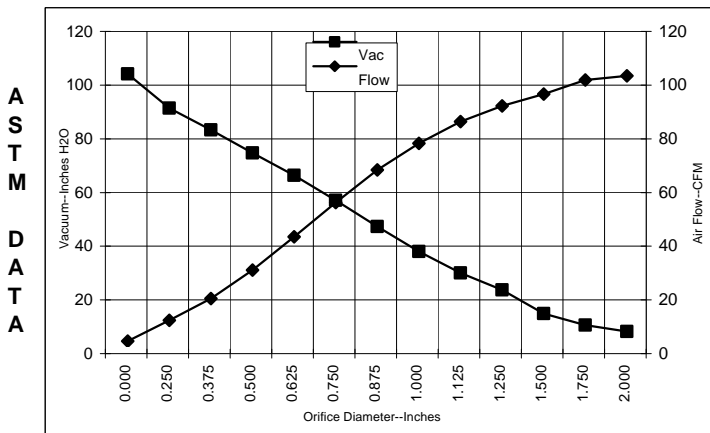


**SPECIAL FEATURES**

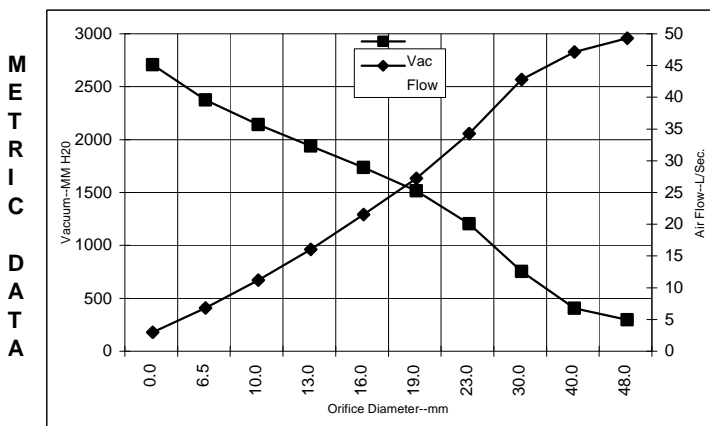
- Suitable for 100volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs.
- epoxy painted fan case and patented air seal bearing protection; U.S Patent #4,088,424

**TYPICAL MOTOR PERFORMANCE.\***

(At 120 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	12.8	1211	19010	3.6	98.8	41
1.750	12.8	1215	18960	5.9	97.2	68
1.500	12.9	1218	18890	10.2	92.0	110
1.250	12.9	1227	18860	19.1	87.6	196
1.125	12.9	1226	18890	25.4	81.7	244
1.000	12.8	1214	19000	33.4	73.7	289
0.875	12.6	1189	19250	42.7	63.8	319
0.750	12.0	1144	19660	52.4	51.6	317
0.625	11.3	1074	20320	61.7	38.8	281
0.500	10.4	997	21150	70.1	26.4	217
0.375	9.5	914	22170	78.6	15.8	146
0.250	8.8	845	23260	86.8	7.7	78
0.000	8.1	786	24240	99.5	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	12.8	1213	18988	117	46.3	53
40.0	12.9	1217	18911	227	44.2	97
30.0	12.9	1226	18877	573	39.8	222
23.0	12.7	1195	19188	1026	31.3	312
19.0	12.0	1143	19673	1336	24.2	316
16.0	11.3	1077	20294	1558	18.6	283
13.0	10.5	1005	21067	1759	13.0	223
10.0	9.6	926	22017	1964	8.2	156
6.5	8.8	848	23206	2194	3.8	81
0.0	8.1	786	24240	2527	0.0	0

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

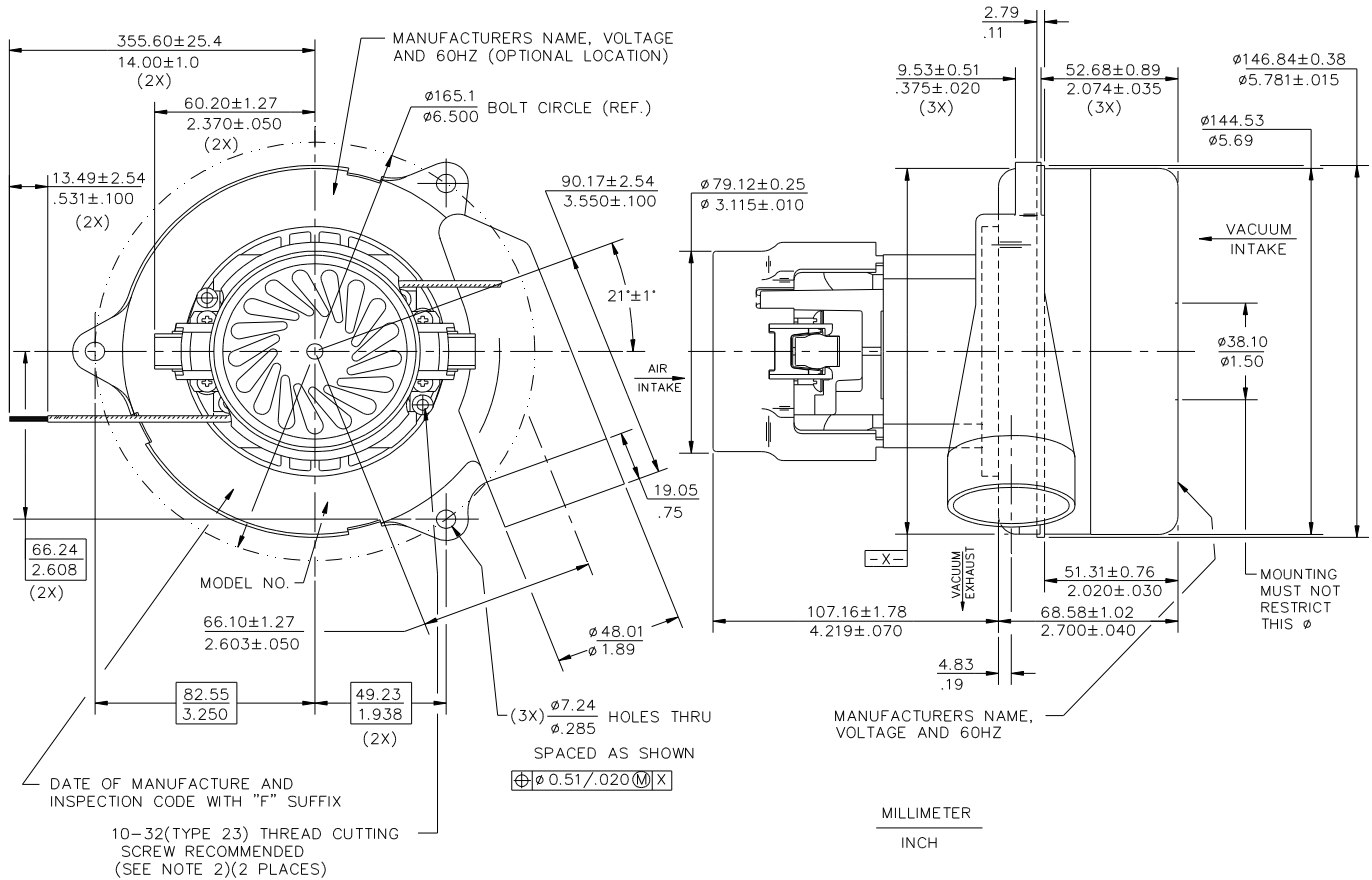
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

<b>Test Specs:</b>	<b>Minimum Sealed Vacuum:</b>	<b>ORIFICE:</b> 7/8 "	<b>Minimum Vacuum:</b>	<b>Maximum Watts:</b>
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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.



**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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