



AMETEK
LAMB ELECTRIC

Product Bulletin

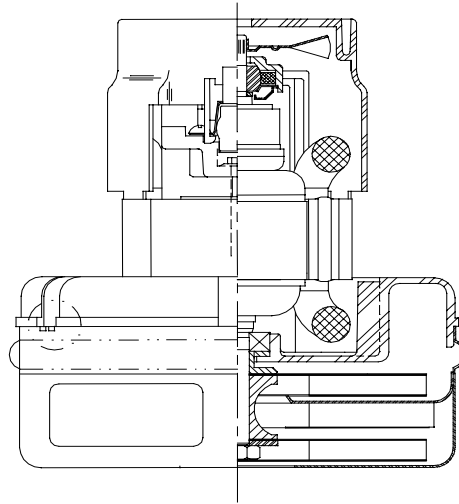
Model: 115757-P

DESCRIPTION

- Two stage
- 120 volts
- 5.7" / 145 mm diameter
- Ball/Sleeve bearings
- Single speed
- Peripheral discharge
- Thermoset fan end bracket
- Aluminum commutator bracket

DESIGN APPLICATION

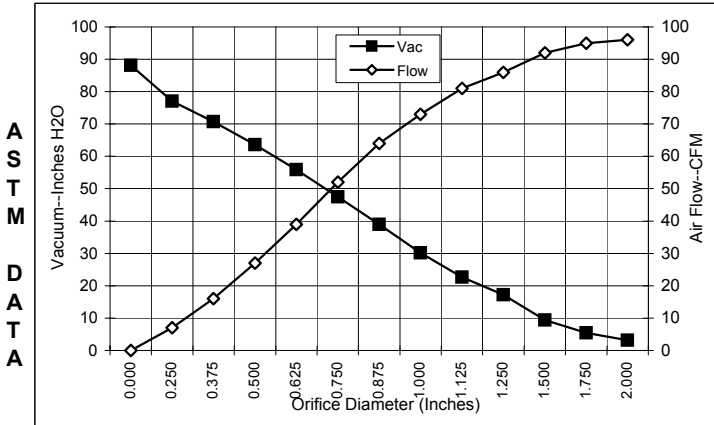
- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only



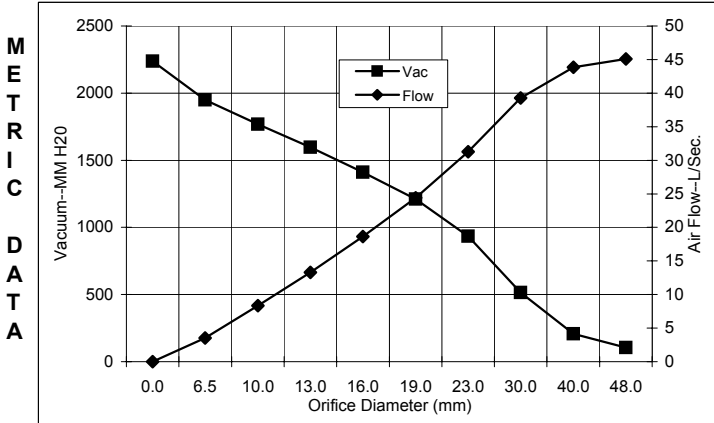
- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA certified, class 1611 01 (LR31393)
- Provision for grounding
- Skeleton frame design
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

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	7.9	917	18025	3.2	96.0	36
1.750	7.9	917	18000	5.4	95.0	61
1.500	7.9	925	18000	9.4	92.0	101
1.250	8.0	931	17935	17.2	86.0	175
1.125	8.0	930	17925	22.7	81.0	215
1.000	8.0	928	18000	30.2	73.0	261
0.875	7.8	911	18275	39.0	64.0	292
0.750	7.6	876	18575	47.5	52.0	289
0.625	7.1	829	19250	55.9	39.0	257
0.500	6.6	769	20100	63.6	27.0	199
0.375	6.0	706	21050	70.7	16.0	131
0.250	5.6	653	21900	77.1	7.0	67
0.000	5.2	618	22600	88.1	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	7.9	917	18014	106	45.1	47
40.0	7.9	923	18000	208	43.8	89
30.0	8.0	930	17930	514	39.3	197
23.0	7.9	915	18206	935	31.3	284
19.0	7.6	875	18589	1211	24.4	288
16.0	7.1	831	19223	1411	18.7	258
13.0	6.7	775	20015	1596	13.3	205
10.0	6.1	715	20908	1769	8.3	141
6.5	5.6	656	21858	1950	3.5	70
0.0	5.2	618	22600	2238	0.0	0

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

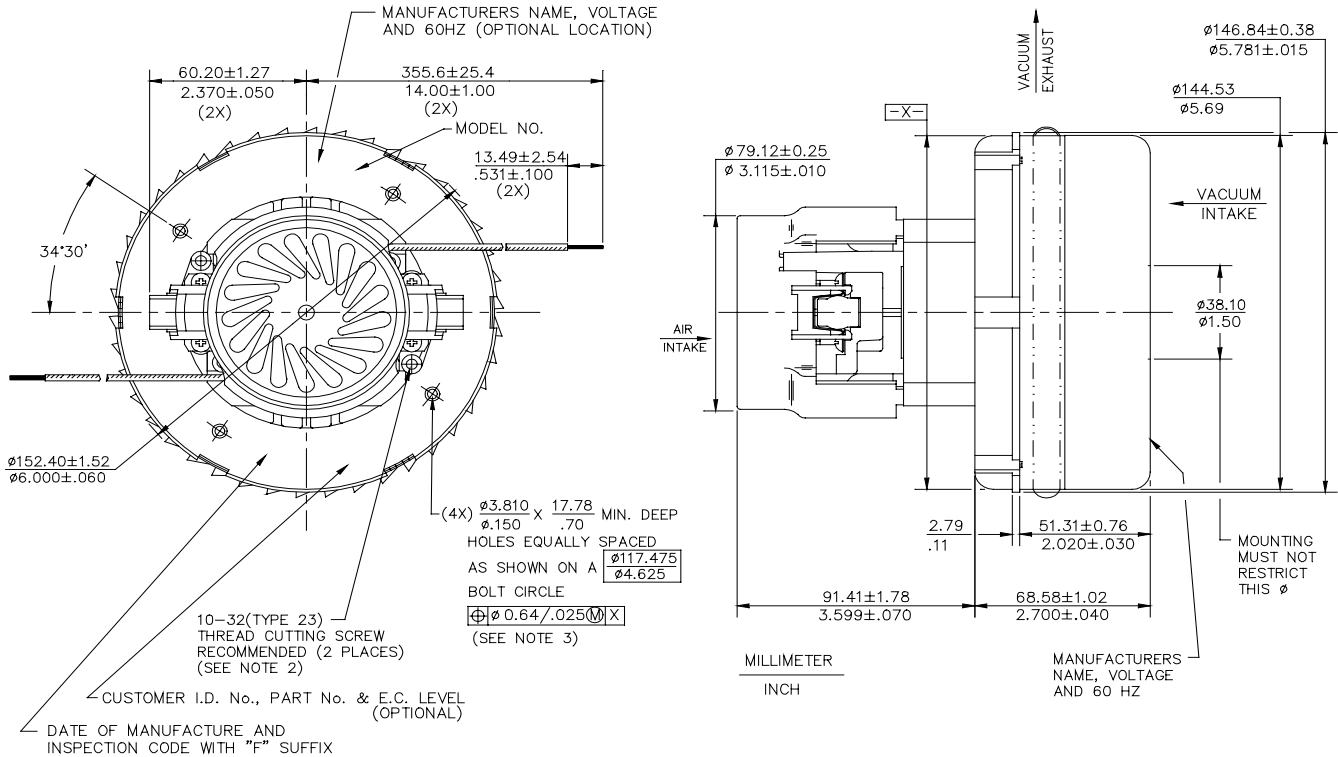
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs: @ 120v	Minimum Sealed Vacuum: 80.0"	ORIFICE: 7/8"	Minimum Vacuum: 35.0"	Maximum Watts: 1050
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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.



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.

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