



AMETEK

LAMB ELECTRIC

Product Bulletin

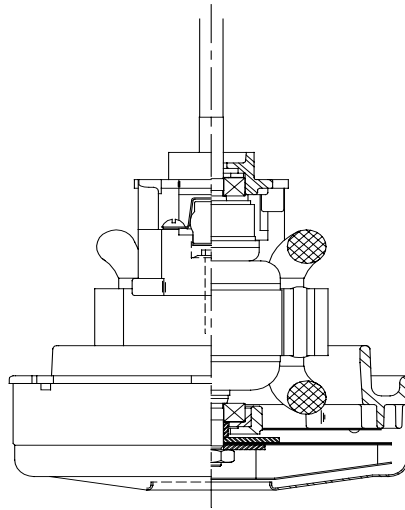
Model: 117453-00

DESCRIPTION

- One stage
- 120 volt
- 5.1 / 130 mm diameter
- Double ball bearings
- Single speed
- Thru flow discharge
- Aluminum fan end bracket
- Thermoset commutator bracket

DESIGN APPLICATION

- Equipment operating in environments not requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only



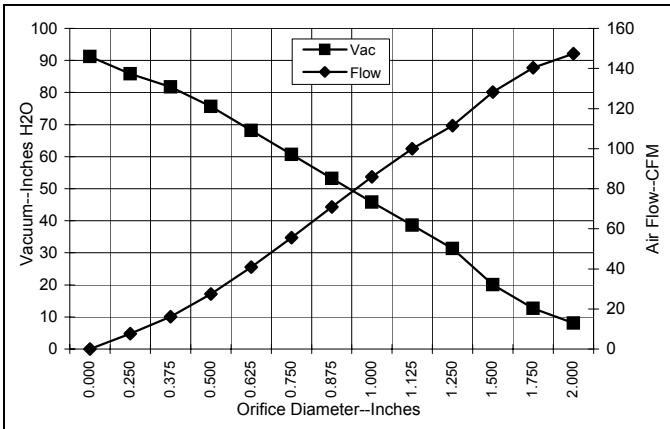
SPECIAL FEATURES

- 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
- Tapered fan system
- Shaft extension- Lead terminals
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

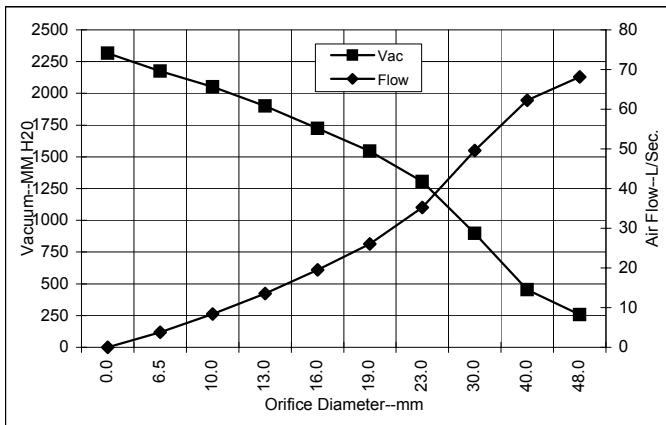
(At 120 volts, 60 Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)⁷

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	11.4	1306	26590	8.1	147.4	141
1.750	11.4	1316	26456	12.7	140.4	210
1.500	11.6	1329	26306	20.1	128.3	303
1.250	11.5	1324	26372	31.3	111.4	410
1.125	11.3	1294	26672	38.6	99.9	453
1.000	10.9	1249	27122	45.8	85.9	461
0.875	10.3	1190	27824	53.2	70.9	443
0.750	9.7	1118	28734	60.7	55.5	396
0.625	8.9	1034	29946	68.2	40.8	327
0.500	8.1	940	31442	75.6	27.4	243
0.375	7.4	859	32896	81.7	16.1	155
0.250	6.9	798	34084	85.8	7.6	77
0.000	6.5	759	34848	91.2	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	11.4	1310	26531	257	68.1	171
40.0	11.5	1325	26351	454	62.3	275
30.0	11.4	1308	26537	897	49.6	434
23.0	10.5	1205	27649	1304	35.2	448
19.0	9.7	1116	28758	1546	26.1	395
16.0	9.0	1037	29898	1725	19.5	330
13.0	8.2	949	31292	1901	13.6	251
10.0	7.5	871	32678	2052	8.4	168
6.5	6.9	801	34025	2174	3.8	81
0.0	6.5	759	34848	2316	0.0	0

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

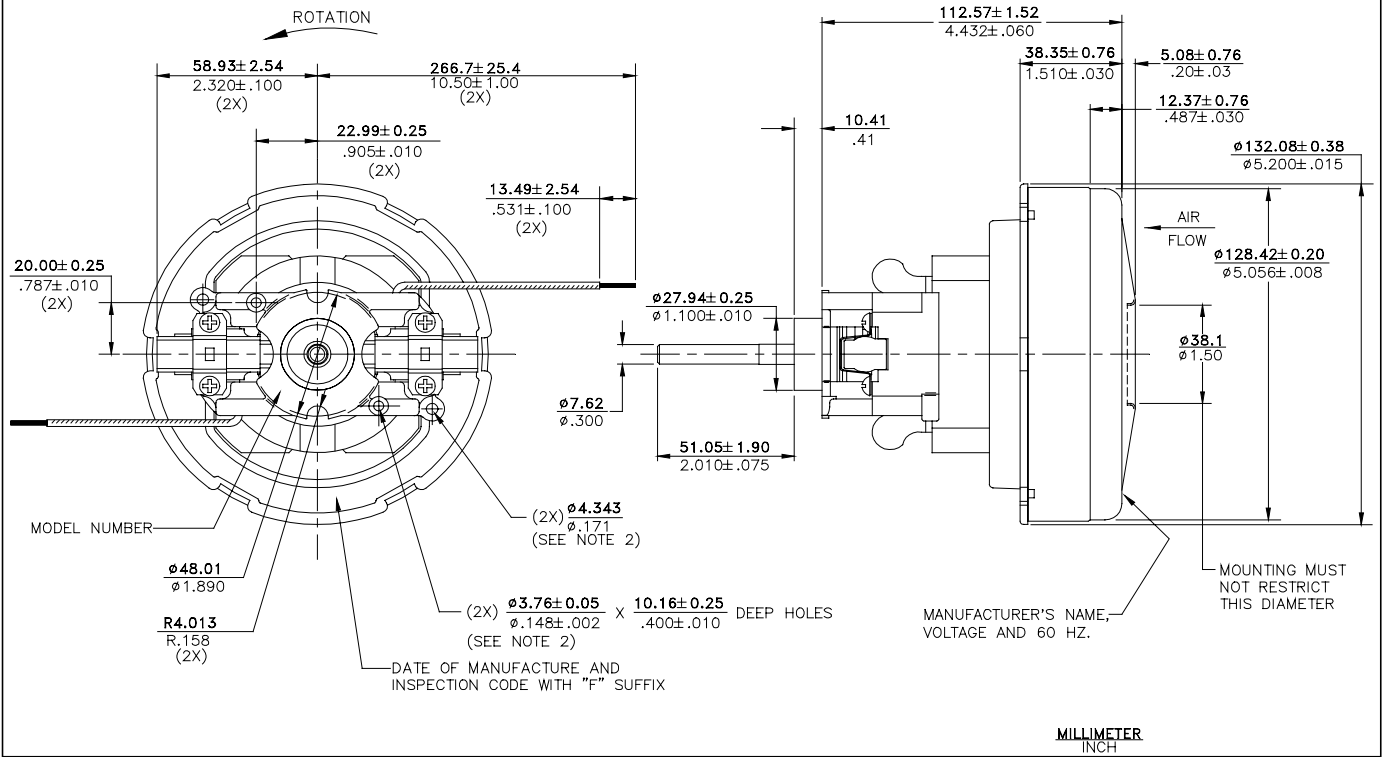
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	120 volt	Minimum Sealed Vacuum:	85.0"	ORIFICE:	7/8"	Minimum Vacuum:	44.0'	Maximum Watts:	1325
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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 - Ametek/Lamb Electric thru-flow vacuum motors must never be used in applications in which wet or moist conditions are involved, where dry chemicals or other volatile materials are present or where airflow may be restricted or blocked. Such motors are designed to permit the vacuumed air to pass over the electrical winding to cool it. Thus any foam, liquid (including water), dry chemical or other foreign substance will come in contact with electrical conductors which could cause combustion (depending on volatility) or electrical shock. Failure to observe these precautions could result in property damage and severe personal injury, including death in extreme cases. All applications incorporating Lamb motors should be submitted to Underwriters Laboratories Inc. or other appropriate organizations or agencies for testing specifically related to the safety of your equipment.

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