

LAMB ELECTRIC

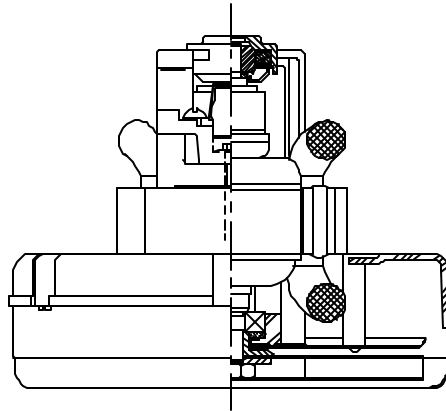
Model: 116882-50

DESCRIPTION

- One stage
- 240 volts
- 5.7"/145 mm diameter
- Ball/sleeve bearings
- Single speed
- Thru-flow discharge
- Thermoset fan end bracket
- Aluminum 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

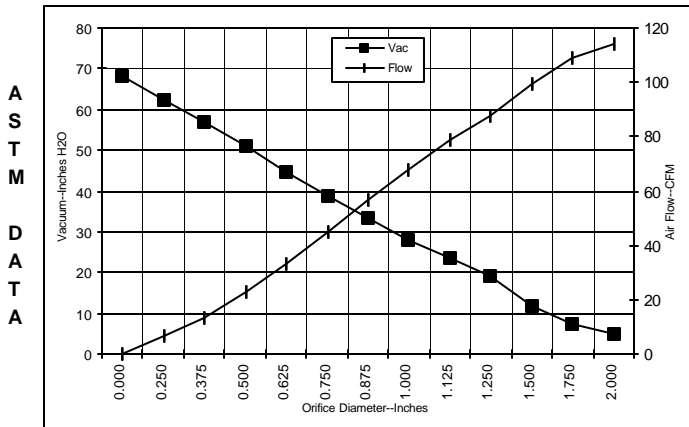


SPECIAL FEATURES

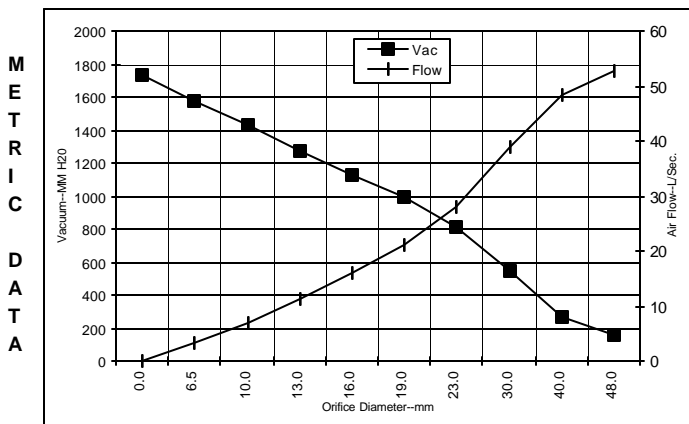
- Suitable for 240 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

(At 240 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	4.2	970	22090	4.8	113.9	64
1.750	4.2	974	22066	7.5	108.9	96
1.500	4.2	975	22076	11.8	99.3	138
1.250	4.2	966	22165	19.0	87.5	195
1.125	4.1	952	22363	23.4	78.7	217
1.000	4.0	926	22748	28.0	67.8	223
0.875	3.8	895	23206	33.2	56.4	220
0.750	3.6	852	23889	38.8	44.7	204
0.625	3.4	801	24753	44.8	33.3	175
0.500	3.1	739	25855	50.9	22.6	135
0.375	2.9	684	26872	57.0	13.6	91
0.250	2.6	628	27925	62.4	6.7	49
0.000	2.5	599	28590	68.2	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	4.2	972	22079	152	52.7	78
40.0	4.2	975	22073	267	48.2	125
30.0	4.1	958	22274	544	39.0	207
23.0	3.9	903	23092	810	28.0	221
19.0	3.6	851	23906	989	21.0	203
16.0	3.4	803	24718	1132	15.9	176
13.0	3.2	745	25745	1277	11.2	139
10.0	2.9	692	26719	1425	7.1	98
6.5	2.7	631	27872	1578	3.3	51
0.0	2.5	599	28590	1732	0.0	0

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

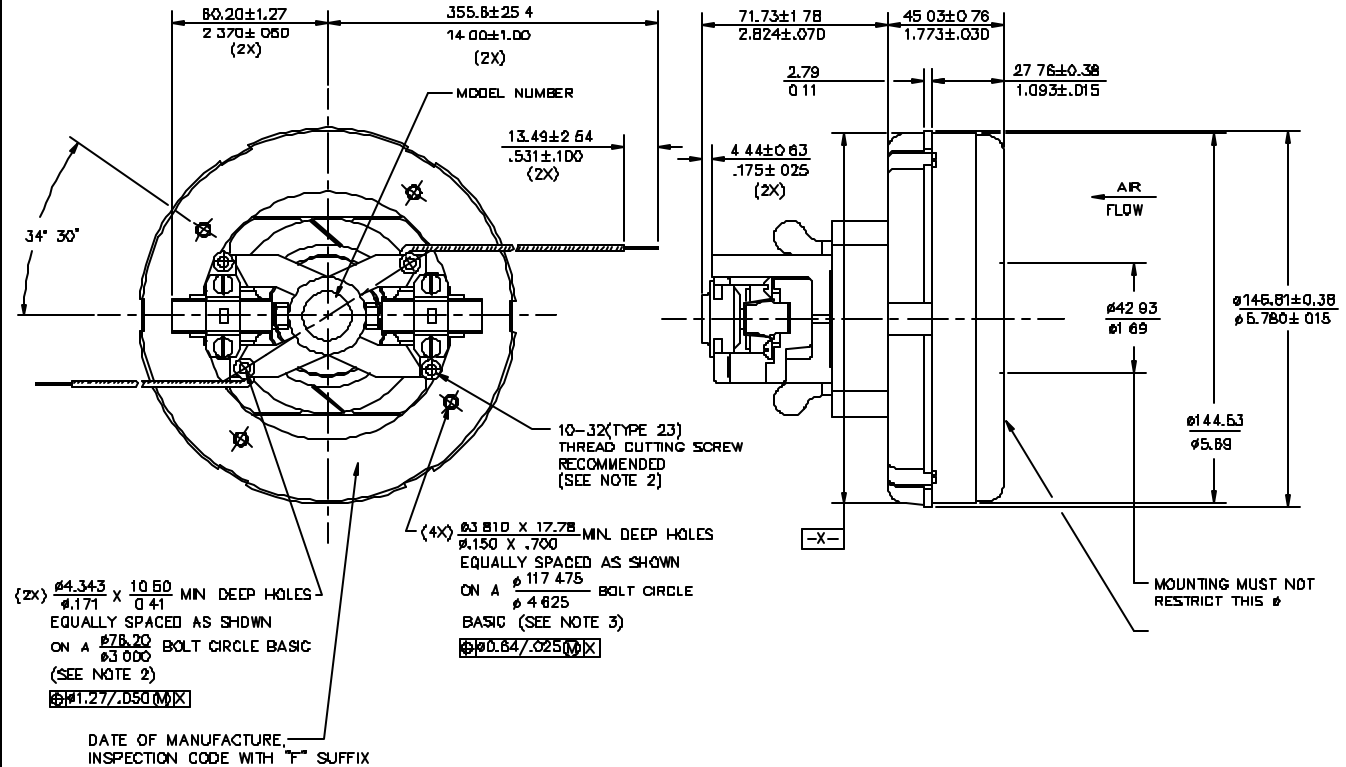
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variability.

Test Specs:	240 volts	Minimum Sealed Vacuum:	63.0"	ORIFICE:	7/8"	Minimum Vacuum:	29.0"	Maximum Watts:	1010
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DIMENSIONS

NOTES:

1. LEADS 18GA STRANDED; 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 25 THREAD CUTTING SCREW, MAXIMUM PENETRATION 17.40/.865



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 coming in contact with electrical conductors 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 Electric 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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