

## LAMB ELECTRIC

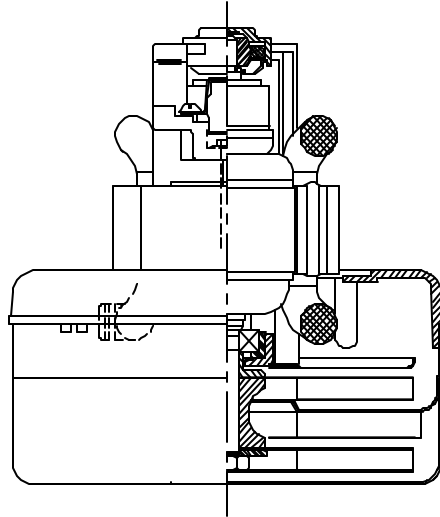
**Model: 116670-50**

### DESCRIPTION

- Two stage
- 240 volt
- 5.7"/145 mm diameter
- Ball/sleeve bearings
- Single speed
- Thru-flow discharge
- Aluminum 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

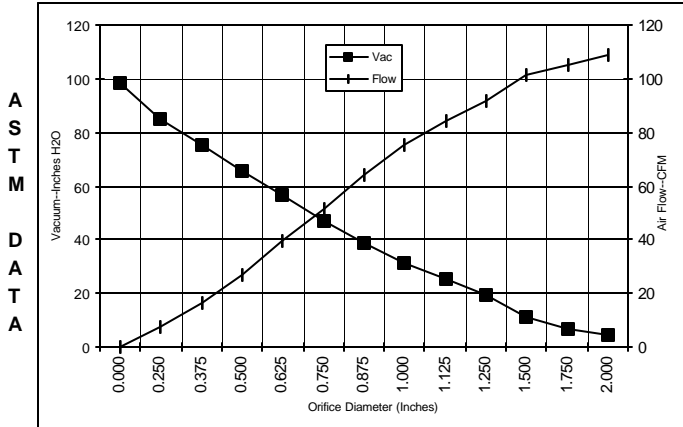


### SPECIAL FEATURES

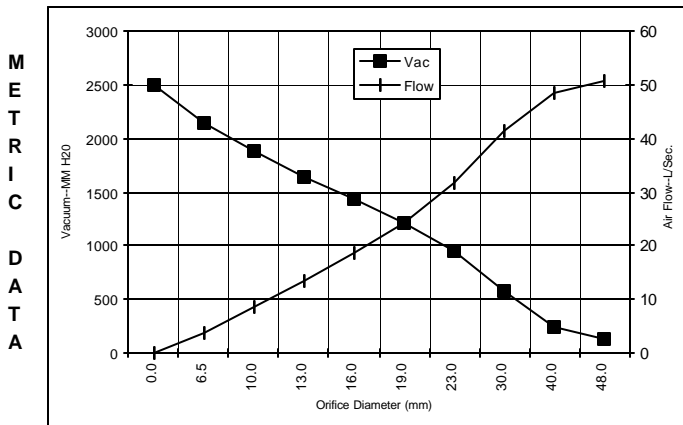
- Suitable for 240 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA certified, class 1611 01 (LR31393)
- Provision for grounding
- Skeleton-frame design
- Thermal protection, automatic reset, UL category XEWR2 (E27701)
- The Lamb Electric vacuum motor line offers a wide range 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.H <sub>2</sub> O)	Flow (CFM)	Air Watts
2.000	4.2	977	19117	4.2	108.9	53
1.750	4.3	1000	18979	6.6	105.3	82
1.500	4.3	1016	18841	11.3	101.2	135
1.250	4.4	1029	18566	19.4	91.9	210
1.125	4.4	1037	18566	25.0	84.5	248
1.000	4.4	1031	18566	31.5	75.0	278
0.875	4.3	1009	18831	39.1	64.0	294
0.750	4.0	970	19255	47.3	51.7	288
0.625	3.8	913	20007	56.7	39.3	262
0.500	3.5	841	21014	65.7	27.1	209
0.375	3.2	769	22254	75.5	16.3	145
0.250	2.8	705	23557	84.9	7.7	77
0.000	2.6	643	24659	98.6	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	4.2	987	19056	133	50.7	66
40.0	4.3	1011	18882	251	48.3	119
30.0	4.4	1033	18566	571	41.5	231
23.0	4.3	1015	18765	945	31.5	290
19.0	4.0	969	19270	1206	24.3	287
16.0	3.8	915	19977	1431	18.8	263
13.0	3.5	848	20913	1646	13.4	214
10.0	3.2	780	22068	1880	8.5	155
6.5	2.9	708	23492	2145	3.8	80
0.0	2.6	643	24659	2504	0.0	0

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

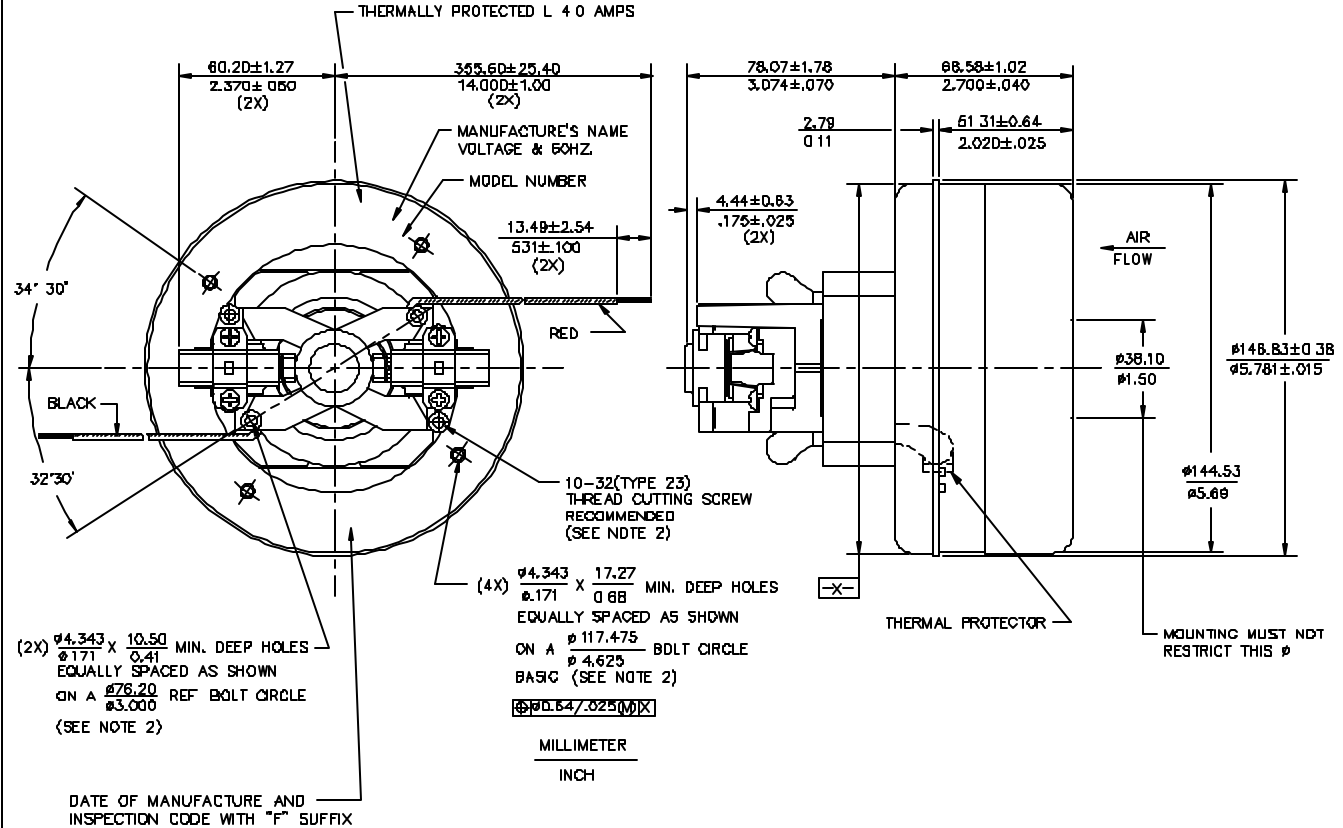
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variat

Test Specs:	240 volts	Minimum Sealed Vacuum:	89.0"	ORIFICE:	7/8 "	Minimum Vacuum:	35.0"	Maximum Watts:	1070
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**DIMENSIONS**

**NOTES:**

- 1 LEADS BLACK AND RED, 18GA STRANDED (BLACK LEAD IS THERMAL PROTECTDR LEAD)
- 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 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.

**AMETEK/Lamb Electric Division**  
 627 Lake Street  
 Kent, Ohio 44240  
 U.S.A.  
 Tel: (330) 673-3451  
 Fax: (330) 673-8994

**Ametek GmbH**  
 Weillimdorfer Str. 47  
 D-70825 Korntal-Munchingen  
 Germany  
 Phone: + 49-711-838-7876  
 Fax: + 49-711-838-7862

**AMETEK/Singapore Private Limited**  
 10 Ang Mo Kio Street 65  
 # 05-12 Techpoint  
 Singapore 2056  
 Tel: + 65-484-2388  
 Fax: + 65-481-6588