

## LAMB ELECTRIC

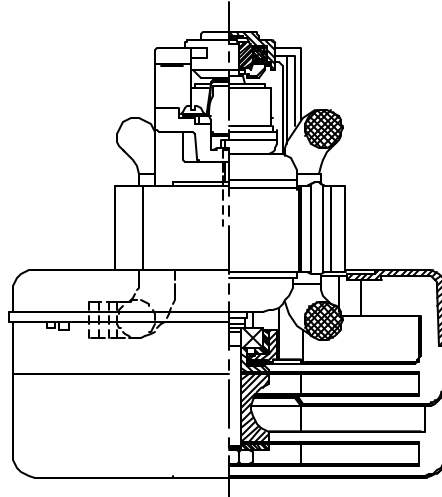
**Model: 116669-50**

### DESCRIPTION

- Two stage
- 120 volts
- 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

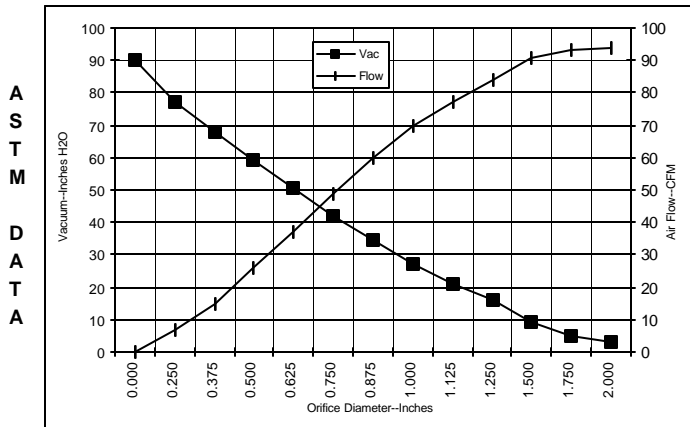


### SPECIAL FEATURES

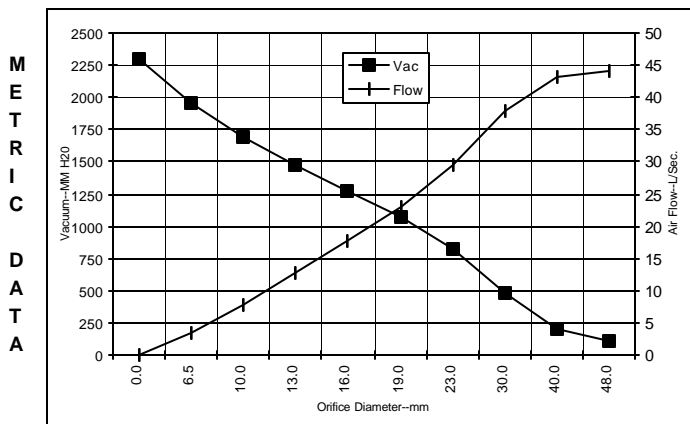
- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA certified, class 1611 01 (LR31393)
- Thermal protection, automatic reset, UL category XEWR2 (E27701)
- Provision for grounding
- Skeleton-frame design
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

### TYPICAL MOTOR PERFORMANCE.\*

(At 120 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	7.5	846	17587	3.1	94.0	34
1.750	7.6	852	17460	5.2	93.0	57
1.500	7.6	859	17463	9.2	91.0	98
1.250	7.7	863	17360	16.0	84.0	158
1.125	7.7	863	17353	21.0	77.0	192
1.000	7.6	856	17443	27.2	70.0	222
0.875	7.4	839	17697	34.3	60.0	241
0.750	7.1	809	18093	41.9	49.0	240
0.625	6.7	760	18700	50.5	37.0	220
0.500	6.1	701	19530	59.0	26.0	178
0.375	5.5	636	20717	67.9	15.0	124
0.250	5.0	582	21977	77.2	7.0	67
0.000	4.5	534	23170	90.2	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	7.5	849	17531	102	44.2	44
40.0	7.6	857	17462	203	43.2	86
30.0	7.7	863	17356	476	37.8	177
23.0	7.5	843	17634	826	29.5	236
19.0	7.1	808	18105	1069	23.0	240
16.0	6.7	762	18676	1274	17.7	221
13.0	6.2	707	19447	1477	12.8	182
10.0	5.6	646	20539	1691	7.9	132
6.5+G118	5.0	585	21914	1949	3.5	70
0.0	4.5	534	23170	2291	0.0	0

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

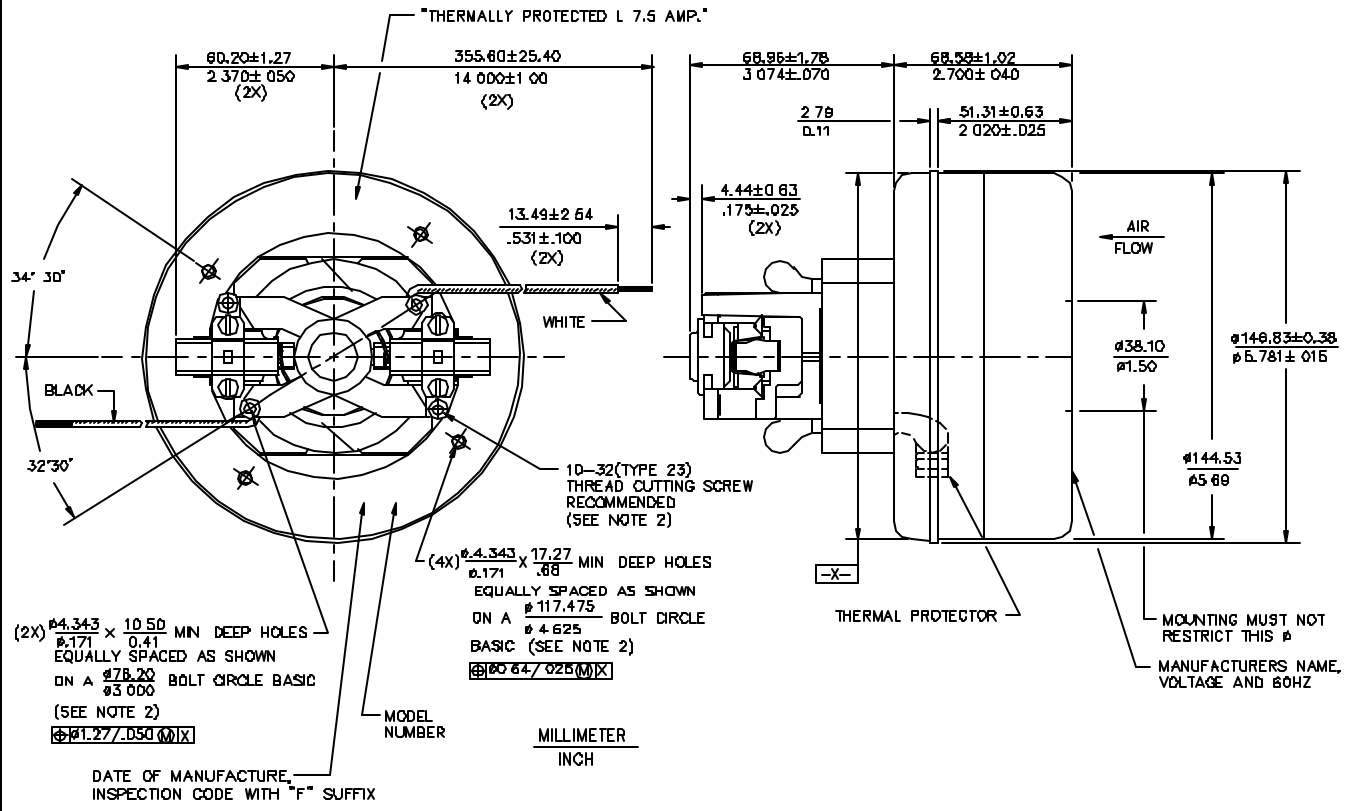
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	120 volts	Minimum Sealed Vacuum:	80.0"	ORIFICE:	7/8 "	Minimum Vacuum:	32.0"	Maximum Watts:	900
-------------	-----------	------------------------	-------	----------	-------	-----------------	-------	----------------	-----

**DIMENSIONS**

**NOTES:**

1. LEADS: BLACK AND WHITE, 18GA. STRANDED (BLACK LEAD IS THERMAL PROTECTOR 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