

## LAMB ELECTRIC

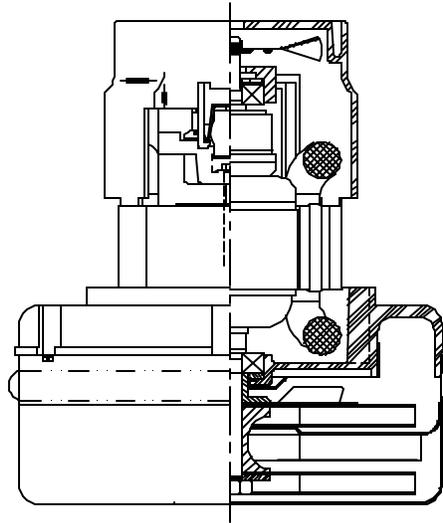
**Model: 116556-13**

### DESCRIPTION

- Two stage
- 36 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Peripheral bypass 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

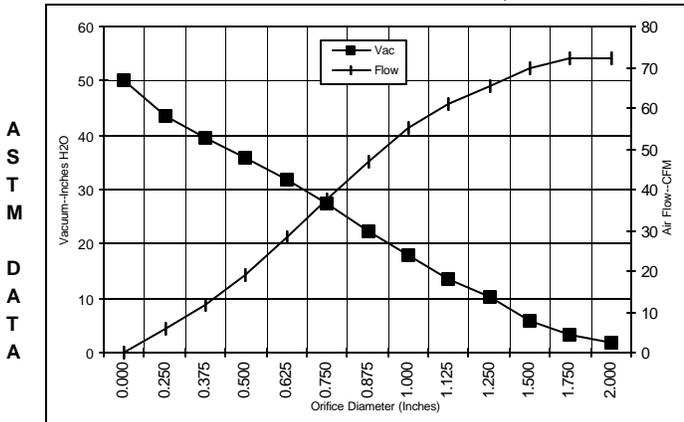


### SPECIAL FEATURES

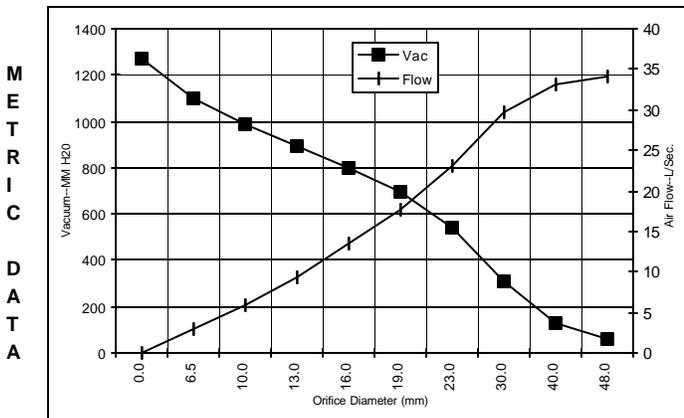
- Suitable for 36 volt DC operation
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Epoxy painted fan case
- Patented air seal bearing construction. U.S. Patent #4,088,424
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

### TYPICAL MOTOR PERFORMANCE.\*

(At 36 volts DC, 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	13.6	487	13536	1.9	72.0	16
1.750	13.6	488	13486	3.2	72.2	27
1.500	13.7	492	13426	5.7	69.6	46
1.250	13.8	496	13356	10.2	65.3	79
1.125	14.0	501	13340	13.7	61.1	98
1.000	13.9	500	13376	17.9	54.9	115
0.875	13.8	494	13466	22.5	46.7	123
0.750	13.4	479	13683	27.3	37.8	121
0.625	12.8	459	14056	31.7	28.2	105
0.500	12.1	435	14526	35.7	19.0	80
0.375	11.4	410	15073	39.6	11.6	54
0.250	10.7	384	15643	43.4	5.7	29
0.000	10.2	365	16140	50.2	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	13.6	487	13514	63	34.0	21
40.0	13.7	491	13444	126	33.2	40
30.0	13.9	499	13347	308	29.7	89
23.0	13.8	496	13444	542	23.0	121
19.0	13.4	479	13690	696	17.8	121
16.0	12.8	460	14041	801	13.5	106
13.0	12.2	437	14479	897	9.4	83
10.0	11.5	414	14991	991	6.0	58
6.5	10.7	385	15615	1098	2.8	30
0.0	10.2	365	16140	1275	0.0	0

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

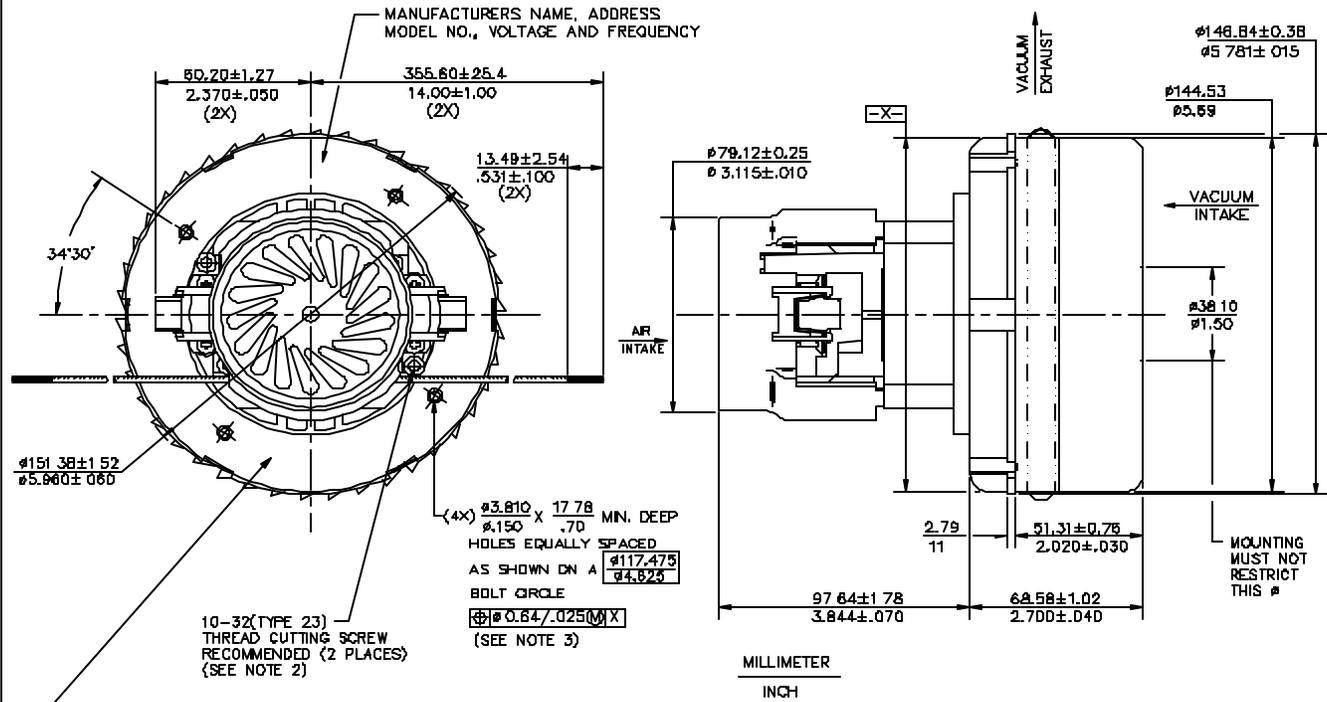
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variat

Test Specs:	36 volts	Minimum Sealed Vacuum:	44.8"	ORIFICE:	7/8 "	Minimum Vacuum:	18.0"	Maximum Watts:	554
-------------	----------	------------------------	-------	----------	-------	-----------------	-------	----------------	-----

**DIMENSIONS**

**NOTES:**

1. LEADS: 14 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.
3. RECOMMENDED SCREW SIZE 10-16 TYPE BT OR TYPE Z6 THREAD CUTTING SCREW MAXIMUM PENETRATION 17.40/.686



**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), or 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 Electric 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 Electric motors should be submitted to 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**  
Weilimdorfer 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