

## LAMB ELECTRIC

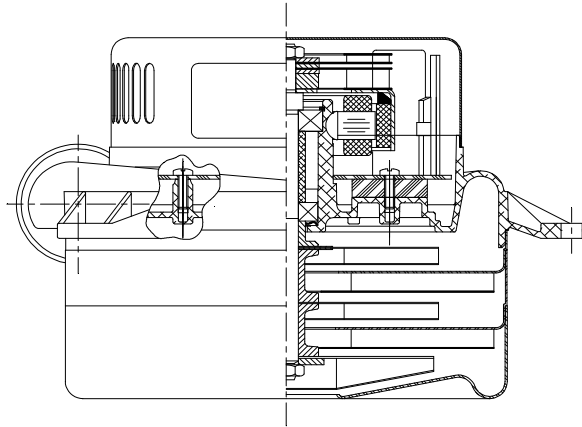
**Model: 117728-00**

### DESCRIPTION

- 240 /230 VAC DC bypass blower with standard flow fan system
- Three stage
- Rectifier / filter network

### SPECIAL FEATURES

- Component recognized by Underwriters Laboratories, Inc.
- Thermal protection / locked rotor protection
- Separation of cooling air and working air
- Compact size
- Long life
- Low noise to power ratio

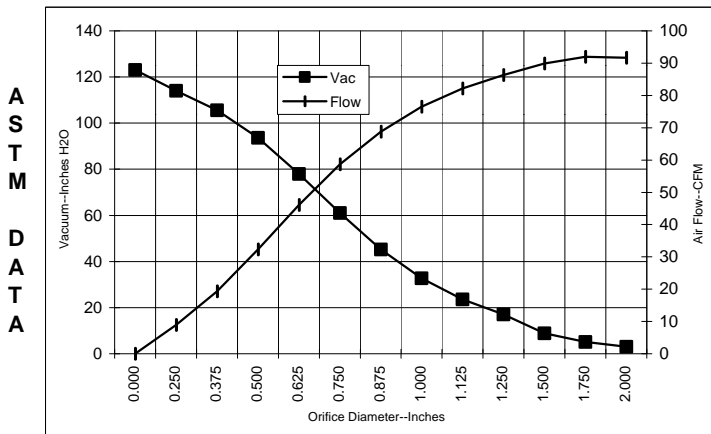


### DESIGN APPLICATION

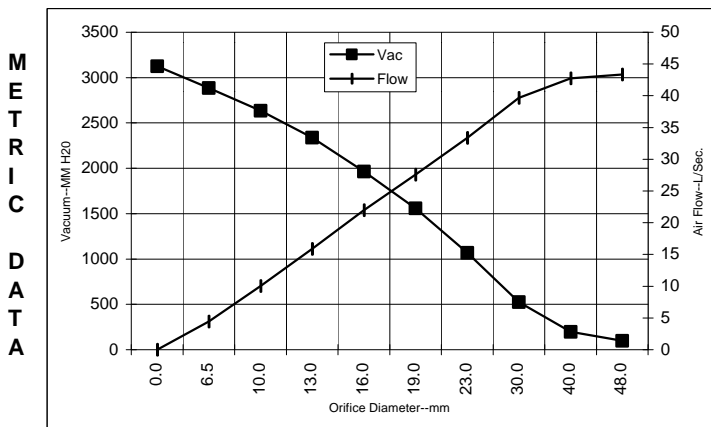
- Blower fan can be used for either vacuum or pressure
- Backward curved centrifugal impellers of the working air provide high efficiency operation

### 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	8.70	1274	17740	3.0	91.7	32
1.750	8.70	1266	17740	5.1	92.0	55
1.500	8.80	1279	17713	8.9	89.9	95
1.250	8.80	1273	17624	17.1	86.3	173
1.125	8.80	1273	17593	23.6	82.2	228
1.000	8.80	1271	17580	32.8	76.5	295
0.875	8.80	1276	17589	45.2	68.8	365
0.750	8.70	1265	17668	61.1	58.7	422
0.625	8.70	1274	18637	78.0	46.1	423
0.500	8.30	1205	18906	93.7	32.3	355
0.375	7.80	1125	19789	105.6	19.3	239
0.250	7.10	1013	20504	114.1	8.9	119
0.000	6.40	919	21100	123.1	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	8.7	1270	17740	100	43.3	42
40.0	8.8	1275	17721	197	42.7	83
30.0	8.8	1273	17607	525	39.7	203
23.0	8.8	1275	17587	1069	33.4	348
19.0	8.7	1265	17687	1561	27.6	422
16.0	8.7	1274	18598	1964	22.0	423
13.0	8.3	1212	18879	2340	15.9	362
10.0	7.9	1137	19657	2637	10.0	256
6.5	7.1	1019	20468	2887	4.4	125
0.0	6.4	919	21100	3127	0.0	0

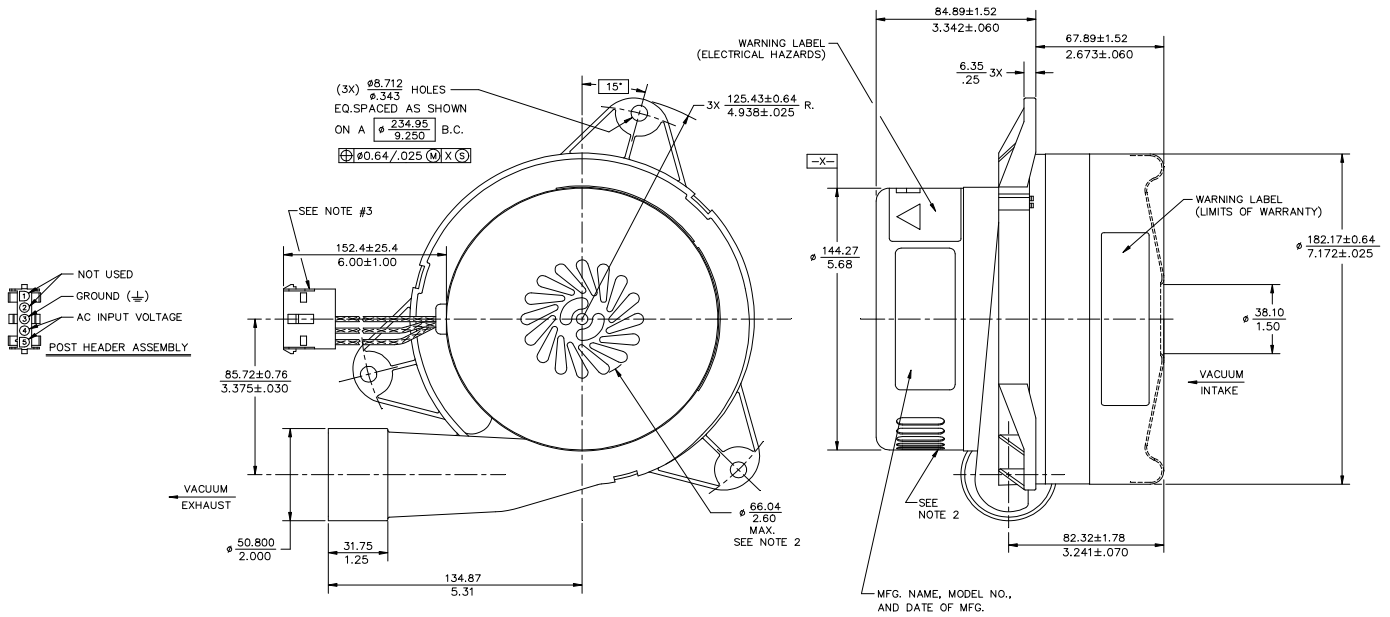
Note: Metric performance data is calculated from the ASTM data above.

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

Test Spec. @ 240 Volts:	Minimum Sealed Vacuum:	N/A	@ ORIFICE 1.0"	Minimum Vacuum:	29"	Maximum Watts:	1340
-------------------------	------------------------	-----	----------------	-----------------	-----	----------------	------

DIMENSIONS

- NOTES:  
 1. INTAKE AND EXHAUST AREAS MUST NOT BE OBSTRUCTED BY MOUNTING.  
 2. SLOTS MUST NOT BE OBSTRUCTED BY MOUNTING.  
 3. AMP MATE-N-LOK CAP CONNECTOR #350809-1 USING UNIVERSAL MATE-N-LOK SOCKETS WITH 16 GA. WIRE (TO BE SUPPLIED BY CUSTOMER) MATES WITH BLOWER CONNECTOR 350810-1 WHICH CONTAINS MALE PINS ON #16 GA. WIRE.



**IMPORTANT NOTE:** Pictorial and dimensional data is 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**  
 627 Lake Street  
 Kent, Ohio 44240  
 U.S.A.  
 Tel: (330) 673-3451  
 Fax: (330) 673-8994

**AMETEK GmbH**  
 Dostojewskistrasse 10  
 D-65187 Wiesbaden  
 Germany  
 Tel: 49-0611-989210  
 Fax: 49-0611-9892110

**AMETEK Singapore Pvt. Ltd.**  
 10 Ang Mo Kio Street 65  
 # 05-12 Techpoint  
 Singapore 2056  
 Tel: 65-484-2388  
 Fax: 65-481-6588