



AMETEK

LAMB ELECTRIC

Product Bulletin

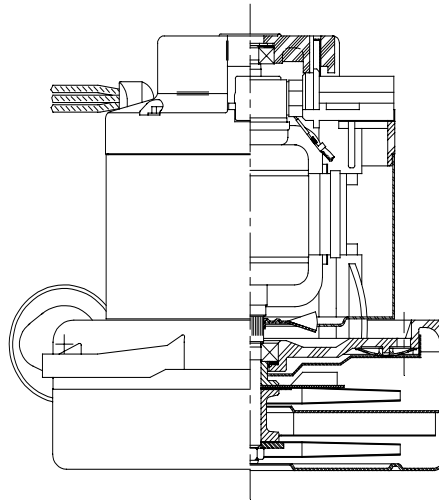
Model: 117465-00
117465-13*

DESCRIPTION

- Two stage
- 120 volts
- 7.2"/183 mm diameter
- Double ball bearings
- Single speed
- Tangential bypass discharge
- Thermoset fan end bracket
- Thermoset 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

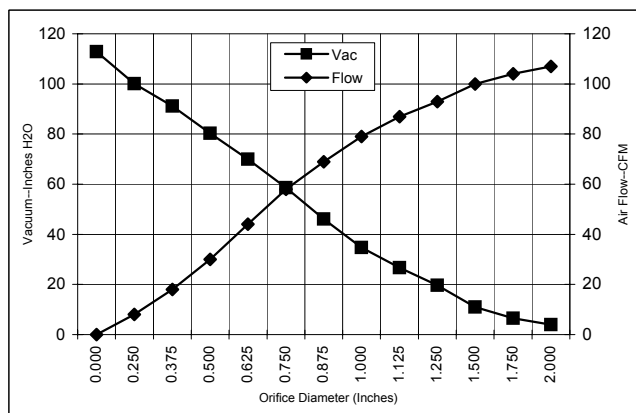
- Suitable for 120 volt AC operation, 50/ 60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA certified, class 1611 01 (LR31393)
- Provision for grounding
- 10 mm shaft and bearing system
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

***Model 117465-13 features patented air seal bearing construction, U.S. Patent #4,088,424 and epoxy paint fan case**

TYPICAL MOTOR PERFORMANCE.*

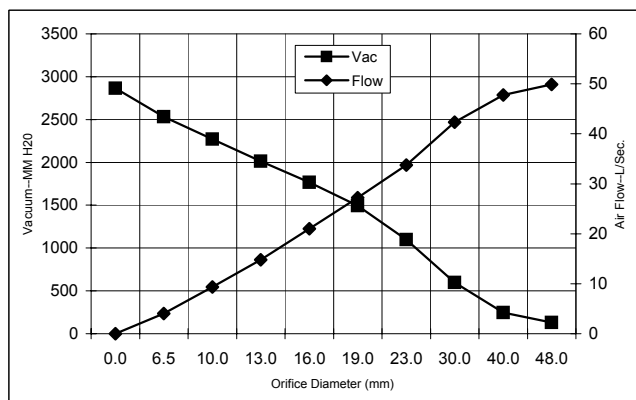
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM
DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	11.7	1347	18725	4.0	107.0	50
1.750	11.7	1347	18725	6.5	104.0	80
1.500	11.8	1351	18700	11.0	100.0	129
1.250	11.7	1351	18675	19.7	93.0	214
1.125	11.7	1348	18700	26.7	87.0	273
1.000	11.7	1341	18788	34.7	79.0	320
0.875	11.5	1331	18900	46.1	69.0	375
0.750	11.3	1310	19150	58.6	58.0	396
0.625	10.7	1239	19725	70.0	44.0	359
0.500	9.9	1162	20513	80.3	30.0	282
0.375	9.2	1063	21525	91.1	18.0	192
0.250	8.1	971	23000	100.1	8.0	98
0.000	7.4	873	23613	112.8	0.0	0

Metric
DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	11.7	1347	18725	130	49.9	63
40.0	11.8	1350	18708	245	47.8	114
30.0	11.7	1349	18689	598	42.3	246
23.0	11.6	1334	18872	1099	33.7	361
19.0	11.3	1309	19162	1494	27.2	395
16.0	10.7	1242	19702	1766	21.0	360
13.0	10.0	1170	20434	2013	14.8	290
10.0	9.3	1078	21373	2273	9.3	206
6.5	8.2	976	22926	2531	4.0	103
0.0	7.4	873	23613	2865	0.0	0

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

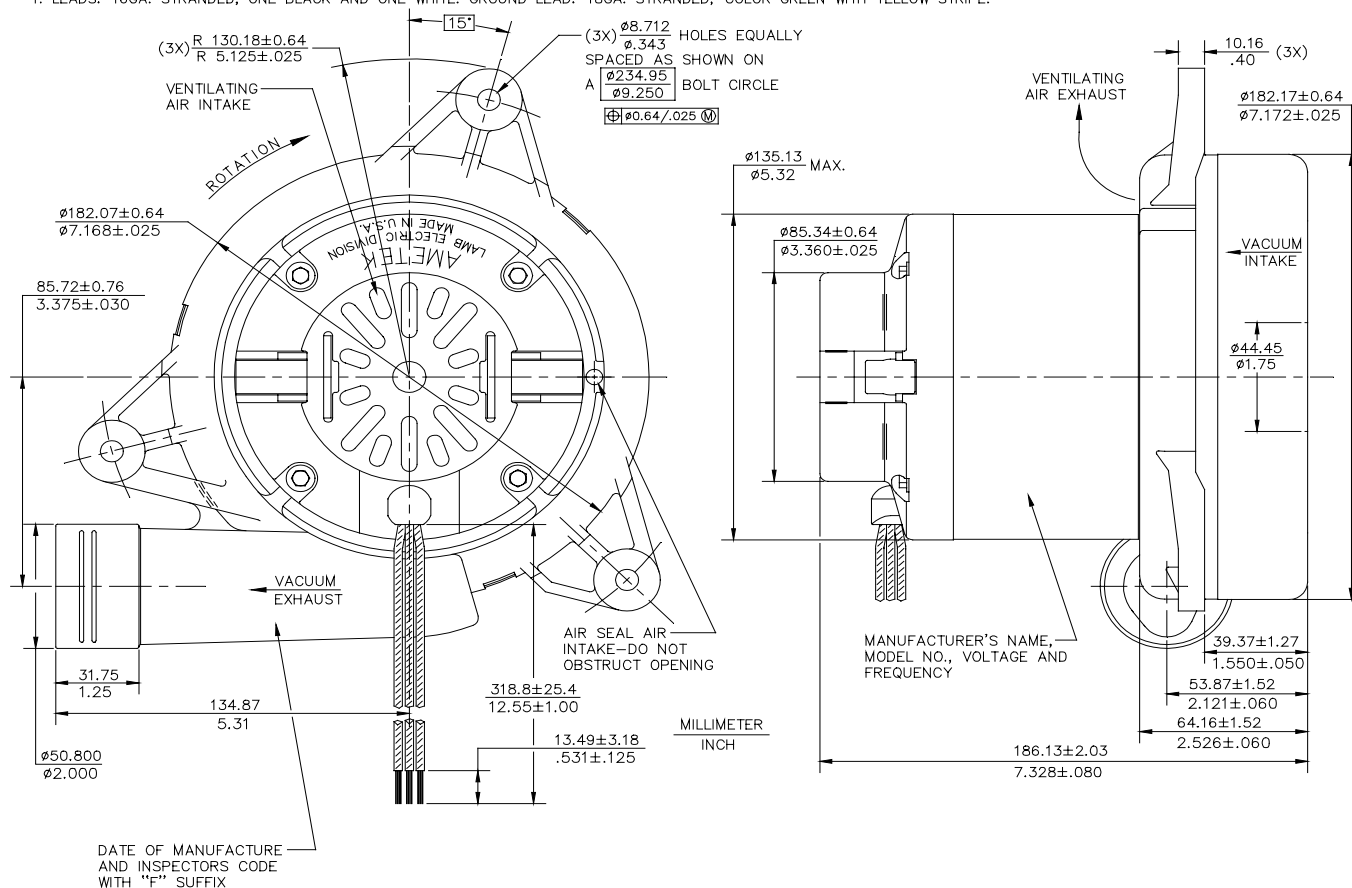
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	120 volts	Minimum Sealed Vacuum:	109.0"	ORIFICE:	7/8"	Minimum Vacuum:	44.0"	Maximum Watts:	1485
-------------	-----------	------------------------	--------	----------	------	-----------------	-------	----------------	------

DIMENSIONS

NOTES:

1. LEADS: 16GA. STRANDED, ONE BLACK AND ONE WHITE. GROUND LEAD: 18GA. STRANDED; COLOR GREEN WITH YELLOW STRIPE.



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
 P. O. Box 1251
 D-71667 Marbach
 Germany
 Phone: + 49-714-484-9512
 Fax: + 49-714-484-9513

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