



LAMB ELECTRIC

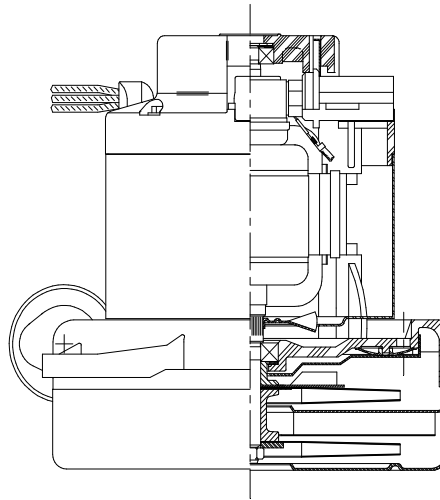
117465-00
Model: 117465-13*
117465-32**

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

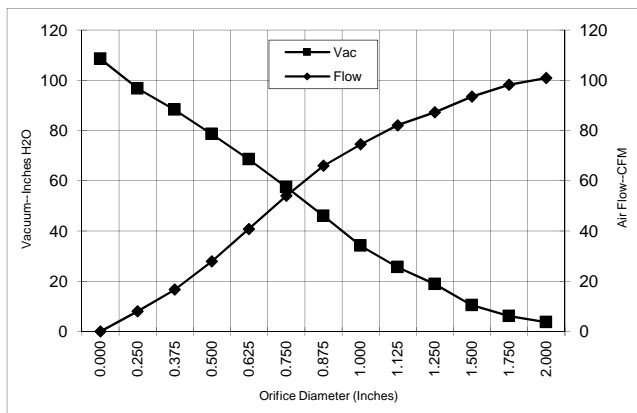
***Model 117465-13 features patented air seal bearing construction, U.S. Patent #4,088,424 and epoxy paint fan case**

****Model 117465-32 features a 2" diameter inlet tube.**

TYPICAL MOTOR PERFORMANCE.*

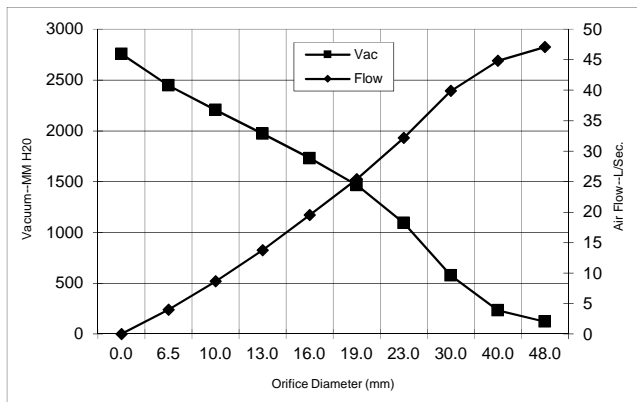
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	10.8	1230	18921	3.7	100.9	44
1.750	10.8	1231	18886	6.1	98.3	70
1.500	10.9	1238	18838	10.5	93.5	115
1.250	10.9	1239	18806	18.9	87.3	194
1.125	10.9	1245	18790	25.6	82.1	247
1.000	10.9	1242	18791	34.1	74.5	298
0.875	10.9	1240	18836	46.0	66.0	356
0.750	10.6	1213	19098	57.5	54.0	364
0.625	10.1	1160	19586	68.5	40.8	328
0.500	9.5	1091	20328	78.5	27.9	257
0.375	8.7	1010	21291	88.2	16.7	173
0.250	8.0	934	22338	96.7	8.0	91
0.000	7.4	865	23420	108.5	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	10.8	1231	18906	121	47.1	56
40.0	10.8	1236	18852	233	44.8	102
30.0	10.9	1242	18797	574	39.9	223
23.0	10.9	1240	18825	1092	32.1	341
19.0	10.6	1211	19108	1465	25.4	363
16.0	10.2	1162	19567	1729	19.5	330
13.0	9.6	1098	20254	1970	13.8	264
10.0	8.8	1022	21147	2204	8.7	185
6.5	8.1	938	22286	2447	4.0	95
0.0	7.4	865	23420	2755	0.0	0

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

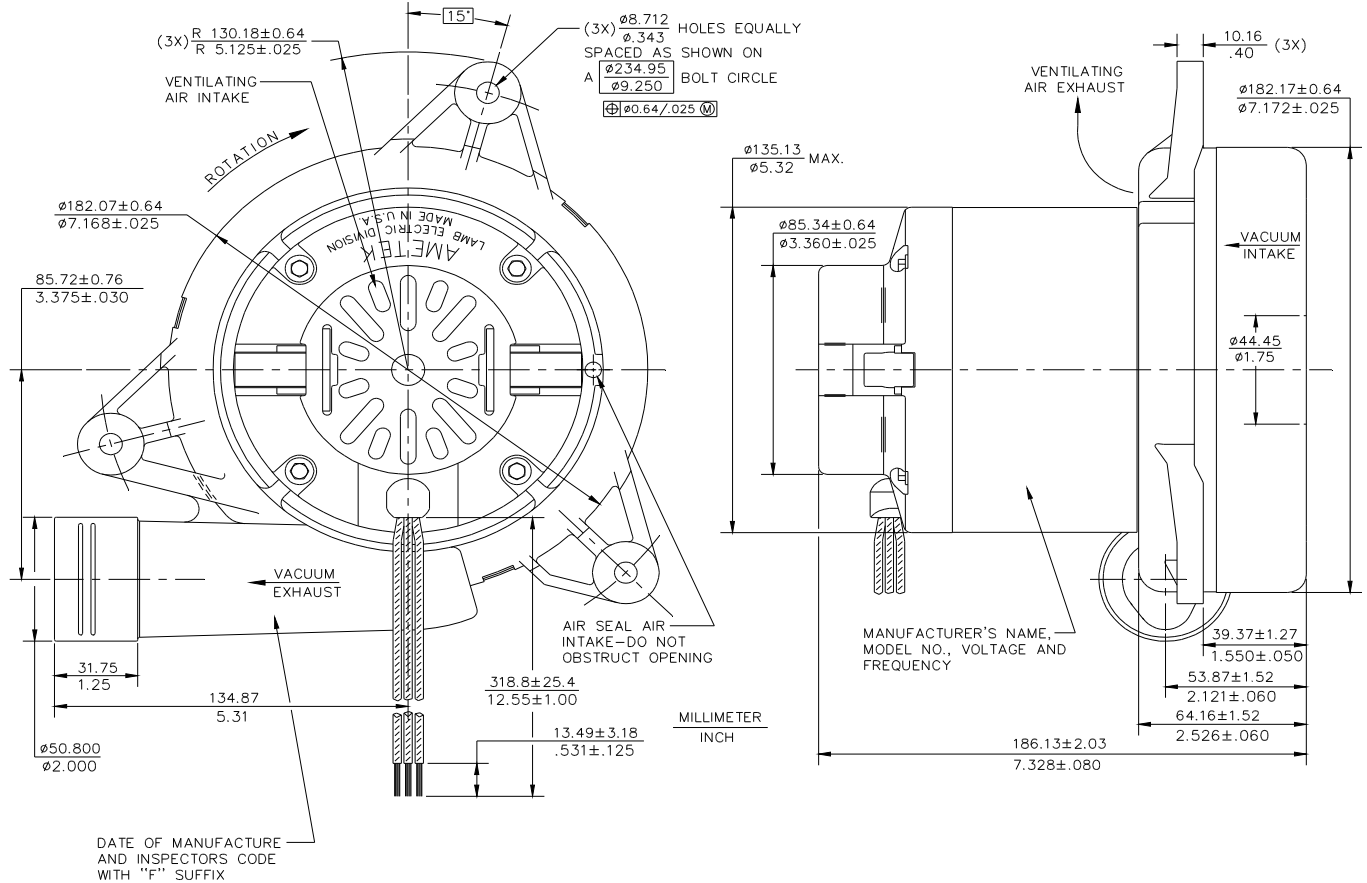
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	120 volts	Minimum Sealed Vacuum:	104"	ORIFICE:	7/8"	Minimum Vacuum:	42"	Maximum Watts:	1400
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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/Floorcare & Specialty Motors
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