



AMETEK
LAMB ELECTRIC

Product Bulletin

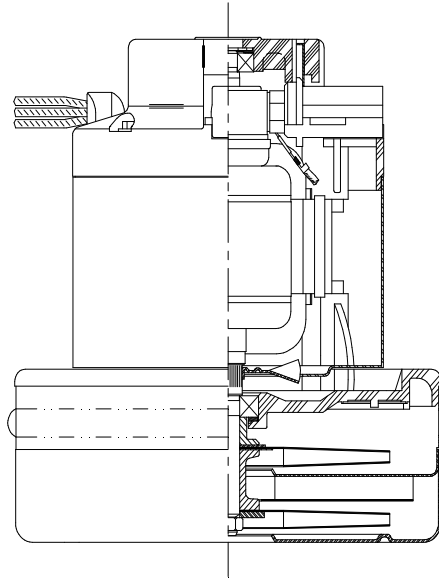
Model: 117508-13

DESCRIPTION

- Two stage
- 120 volts
- 7.2"/183 mm diameter
- Double ball bearings
- Single speed
- Peripheral 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



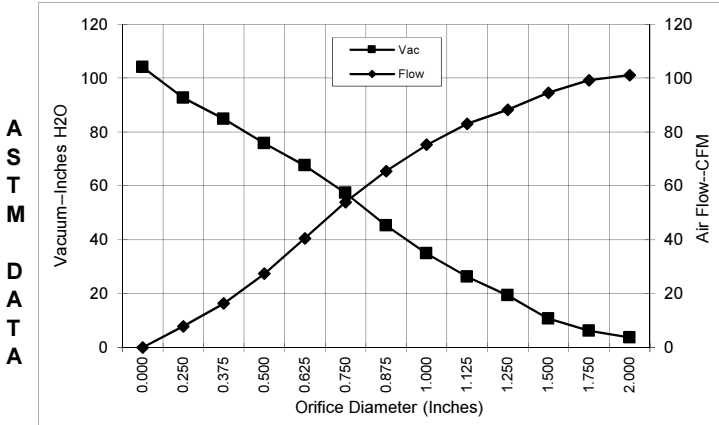
SPECIAL FEATURES

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

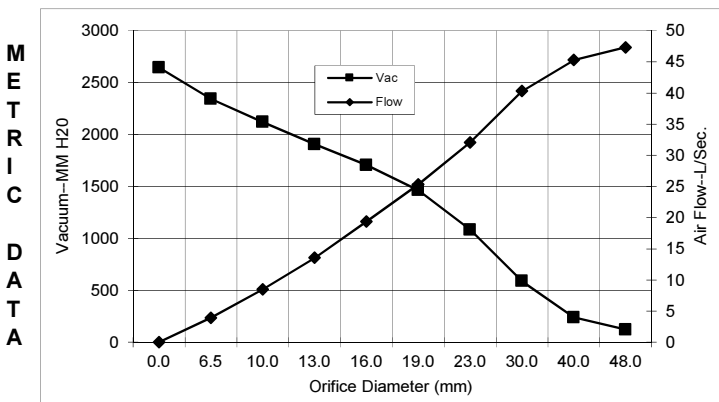
*** Model 117508-13 has epoxy painted fan case and patented air seal bearing construction. U.S. Patent #4,088,424**

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 ₂ O)	Flow (CFM)	Air Watts
2.000	10.5	1194	18481	3.7	101.1	44
1.750	10.5	1195	18441	6.2	99.2	72
1.500	10.6	1201	18388	10.7	94.6	119
1.250	10.6	1208	18364	19.4	88.3	200
1.125	10.6	1210	18340	26.3	83.0	256
1.000	10.7	1214	18362	34.9	75.3	308
0.875	10.6	1205	18441	45.3	65.5	348
0.750	10.4	1184	18639	57.4	54.0	364
0.625	9.9	1126	19145	67.6	40.5	321
0.500	9.2	1054	19862	75.8	27.4	244
0.375	8.5	981	20793	84.8	16.4	163
0.250	7.8	909	21801	92.7	7.9	86
0.000	7.3	845	22719	104.1	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	10.5	1194	18463	123	47.3	57
40.0	10.6	1199	18404	238	45.3	105
30.0	10.6	1209	18351	588	40.3	231
23.0	10.6	1207	18421	1084	32.1	338
19.0	10.4	1183	18649	1463	25.4	363
16.0	9.9	1129	19125	1706	19.4	323
13.0	9.3	1061	19790	1905	13.6	252
10.0	8.6	992	20653	2120	8.5	175
6.5	7.9	912	21751	2344	3.9	90
0.0	7.3	845	22719	2643	0.0	0

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

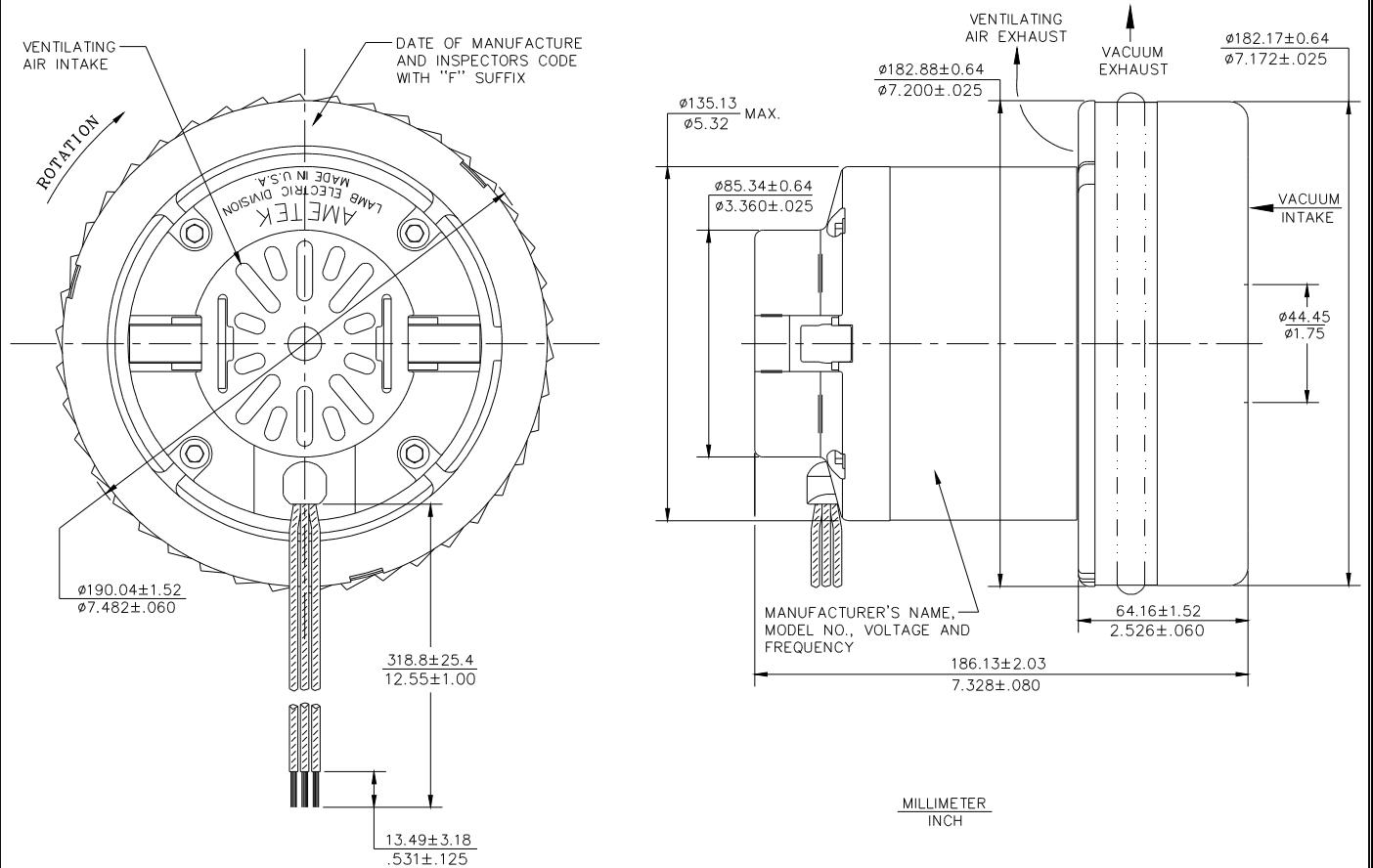
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	120 volts	Minimum Sealed Vacuum: 102"	ORIFICE:	7/8"	Minimum Vacuum: 43"	Maximum Watts:	1430
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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 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 motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

AMETEK Dynamic Fluid Solutions
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