

LAMB ELECTRIC

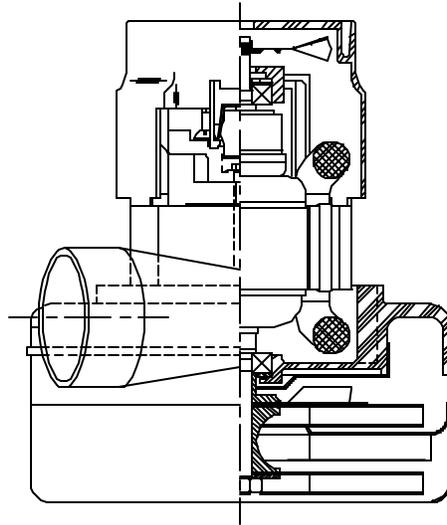
Model: 116114-00

DESCRIPTION

- Two stage
- 120 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential 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

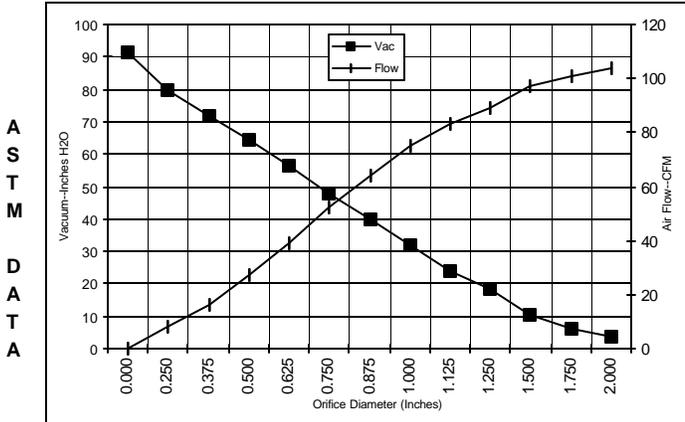


SPECIAL FEATURES

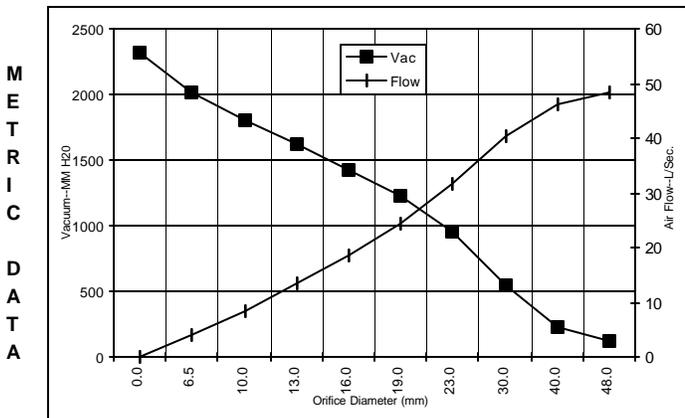
- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA certified, class 1611 01 (LR31393)
- Provision for grounding
- Skeleton-frame design
- Epoxy painted fan case
- Patented air seal bearing construction. U.S. Patent #4,088,424
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

(At 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	9.0	1026	18875	3.8	104.0	46
1.750	9.0	1027	18800	6.1	101.0	72
1.500	9.0	1030	18650	10.4	97.0	118
1.250	9.1	1039	18538	18.2	89.0	191
1.125	9.1	1041	18525	24.1	83.0	235
1.000	9.0	1033	18588	31.7	75.0	280
0.875	8.9	1014	18781	39.7	64.0	300
0.750	8.6	982	19194	47.9	52.0	292
0.625	8.1	926	19888	56.7	39.0	261
0.500	7.4	857	20763	64.7	27.0	204
0.375	6.8	790	21700	71.8	16.0	134
0.250	6.2	723	22763	79.7	8.0	70
0.000	5.7	679	23713	91.3	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	9.0	1026	18842	122	48.5	57
40.0	9.0	1029	18695	231	46.4	104
30.0	9.1	1040	18531	545	40.5	215
23.0	8.9	1019	18733	958	31.5	295
19.0	8.6	981	19208	1221	24.4	291
16.0	8.1	928	19860	1431	18.7	262
13.0	7.5	864	20676	1623	13.3	210
10.0	6.9	800	21559	1797	8.3	145
6.5	6.2	726	22710	2014	4.0	73
0.0	5.7	679	23713	2319	0.0	0

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

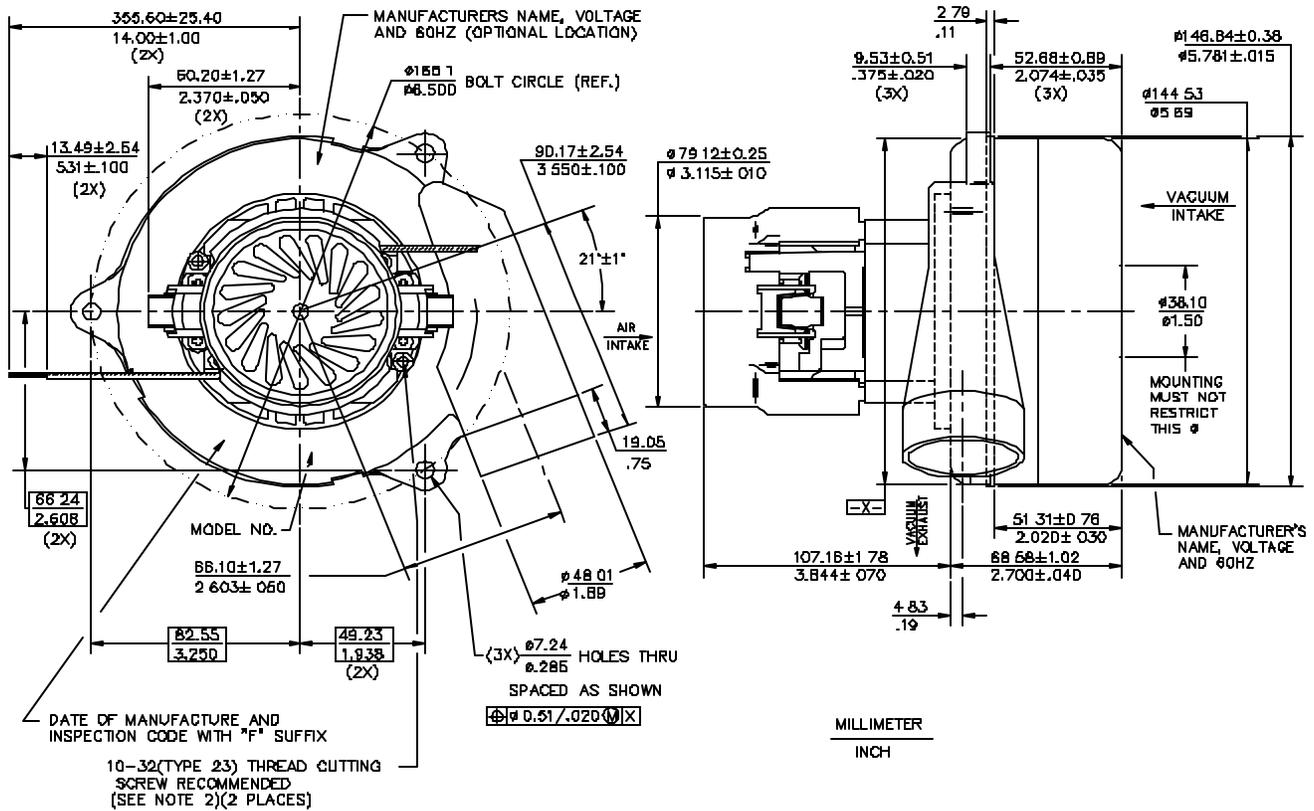
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variat

Test Specs:	120 volts	Minimum Sealed Vacuum:	85.0"	ORIFICE:	7/8"	Minimum Vacuum:	36.0"	Maximum Watts:	1200
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DIMENSIONS

NOTES

1. LEADS: 18GA 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.



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.

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