

AMETEK
LAMB ELECTRIC

Product Bulletin

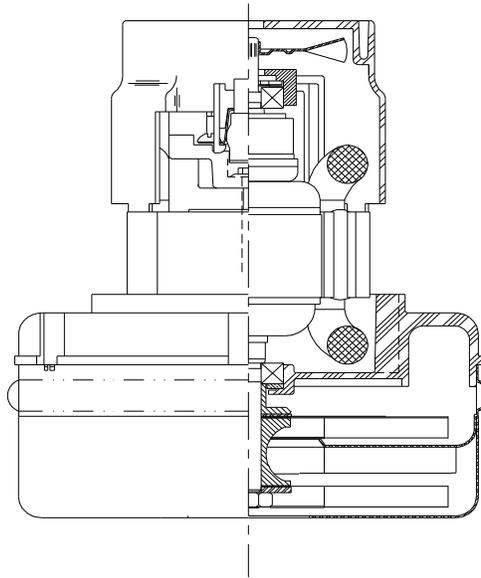
Model: 116212-00

DESCRIPTION

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

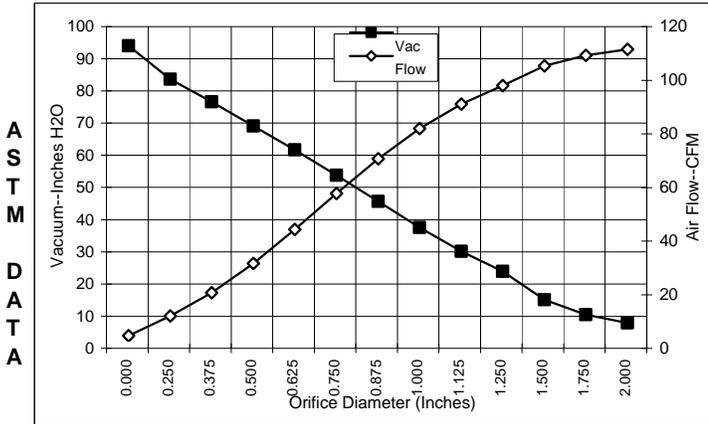


SPECIAL FEATURES

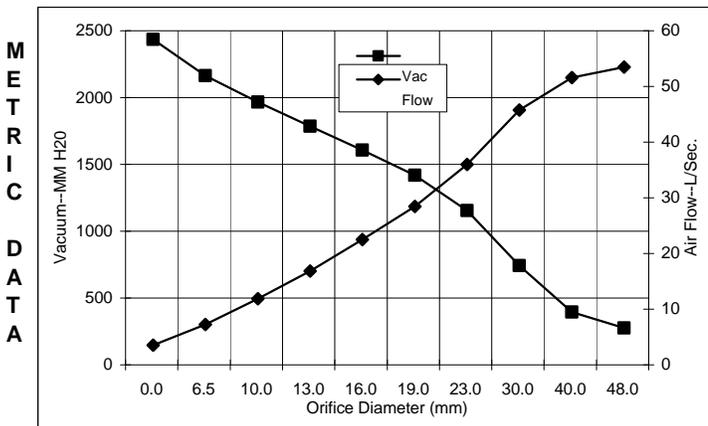
- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA certified, class 1611 01 (LR31393)
- Provision for grounding
- Epoxy painted fan case
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

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	8.8	985	18917	4.0	106.8	50
1.750	8.8	987	18858	6.5	104.6	80
1.500	9.1	1008	18867	11.2	100.7	133
1.250	9.2	1021	18750	20.0	93.3	219
1.125	9.2	1024	18700	26.2	86.4	265
1.000	9.2	1020	18767	33.6	77.3	304
0.875	9.0	1003	18983	41.7	66.0	322
0.750	8.7	973	19392	49.9	53.1	311
0.625	8.3	922	20008	57.8	39.6	268
0.500	7.6	863	20833	65.2	26.9	206
0.375	6.9	789	21800	72.7	16.0	137
0.250	6.5	733	22775	79.7	7.4	70
0.000	6.0	686	23417	90.1	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	8.8	986	18891	130	50.0	63
40.0	9.0	1002	18864	249	48.1	117
30.0	9.2	1023	18723	595	42.2	244
23.0	9.1	1007	18929	1008	32.5	318
19.0	8.7	972	19404	1271	24.9	310
16.0	8.3	924	19983	1460	18.9	270
13.0	7.7	869	20751	1637	13.3	212
10.0	7.0	800	21655	1818	8.3	147
6.5	6.5	736	22726	2015	3.7	73
0.0	6.0	686	23417	2289	0.0	0

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

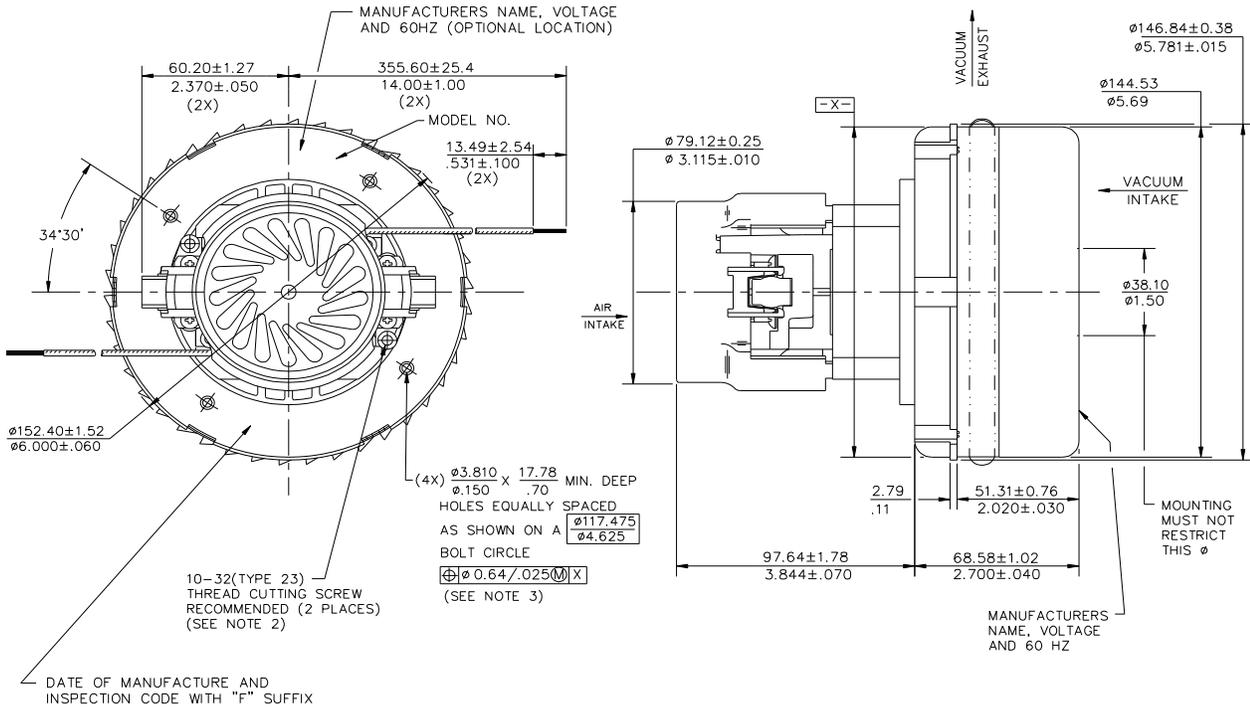
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	120 volts	Minimum Sealed Vacuum:	85.0"	ORIFICE:	7/8"	Minimum Vacuum:	36.0"	Maximum Watts:	1155
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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.
3. RECOMMENDED SCREW SIZE 10-16 TYPE BT OR TYPE 25 THREAD CUTTING SCREW. MAXIMUM PENETRATION 17.40/.685.



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) of 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.

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