



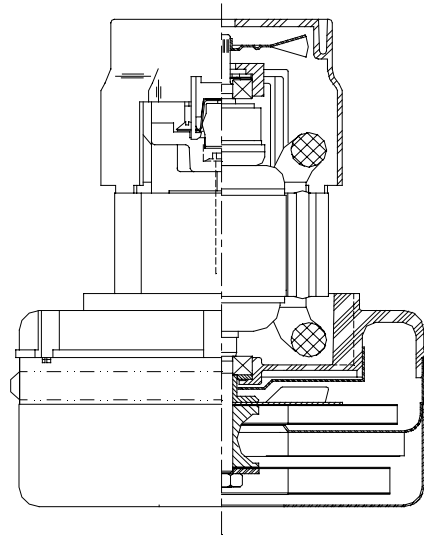
Model: 116413-13

DESCRIPTION

- Two stage
- 240 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



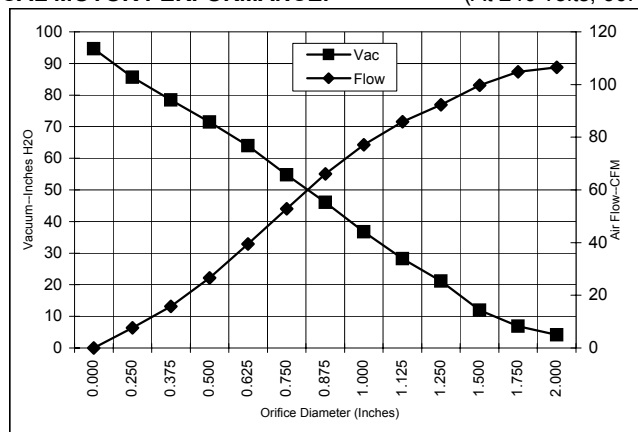
SPECIAL FEATURES

- Suitable for 240 volt AC operation, 50/60 Hz
- UL Recognized, category PGRY2, (E47185)
- Skeleton-frame design
- Provision for grounding
- 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.*

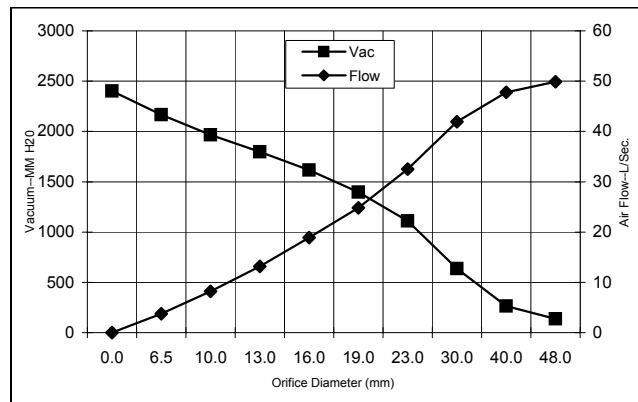
(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	5.0	1152	19420	4.2	106.5	52
1.750	5.0	1138	19360	6.9	104.8	86
1.500	5.0	1147	19520	11.9	99.7	140
1.250	5.0	1137	19420	21.2	92.3	231
1.125	5.0	1138	19480	28.2	85.9	285
1.000	4.9	1130	19530	36.7	77.1	332
0.875	4.8	1108	19800	46.1	66.1	358
0.750	4.7	1070	20070	54.8	52.8	340
0.625	4.4	1005	20810	64.0	39.5	297
0.500	4.1	940	21630	71.5	26.6	224
0.375	3.8	875	22460	78.4	15.8	146
0.250	3.5	818	23440	85.6	7.6	76
0.000	3.3	765	24360	94.6	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	5.0	1146	19394	136	49.9	67
40.0	5.0	1144	19472	264	47.8	124
30.0	5.0	1138	19453	636	41.9	261
23.0	4.8	1114	19733	1111	32.5	352
19.0	4.6	1069	20085	1397	24.8	339
16.0	4.4	1008	20780	1616	18.9	299
13.0	4.1	947	21548	1797	13.2	231
10.0	3.8	885	22336	1965	8.2	158
6.5	3.5	821	23391	2165	3.8	80
0.0	3.3	765	24360	2403	0.0	0

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

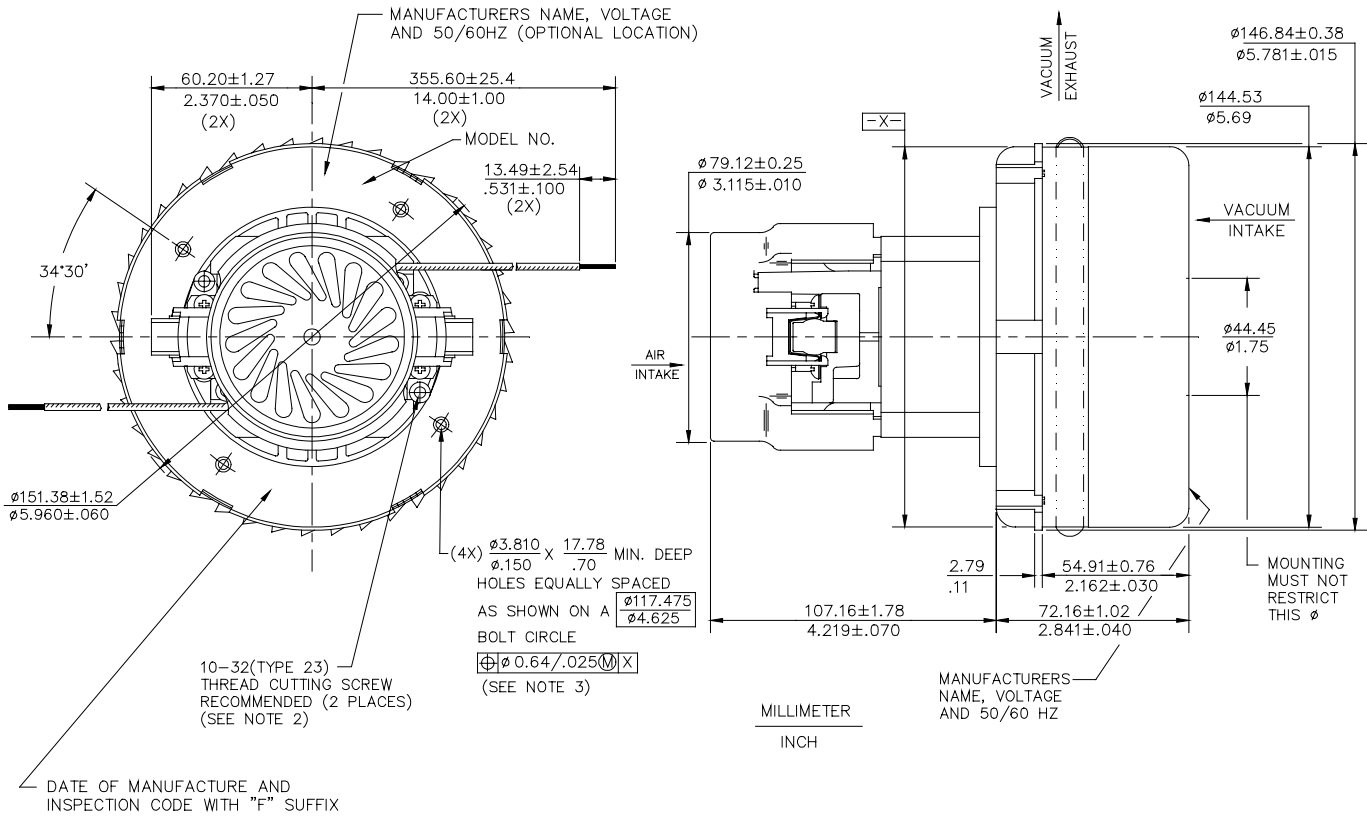
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	240 volts	Minimum Sealed Vacuum:	88.0"	ORIFICE:	13 mm	Minimum Vacuum:	65.0"	Maximum Watts:	1100
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DIMENSIONS

NOTES:

- LEADS: 18GA STRANDED. LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE.
- 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.
- 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), 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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