



AMETEK LAMB ELECTRIC

Product Bulletin

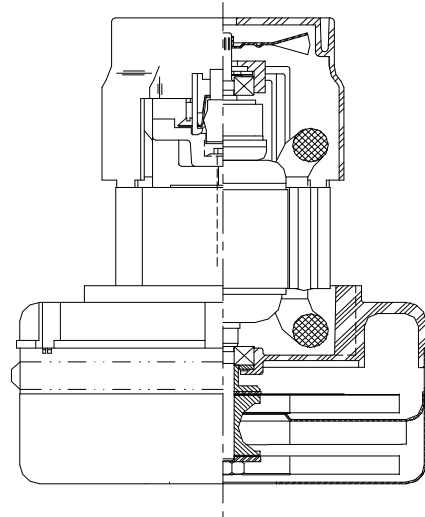
**Model: 116320-00
116320-01**

DESCRIPTION

- Two stage
- 240 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Peripheral bypass discharge
- Thermostat 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



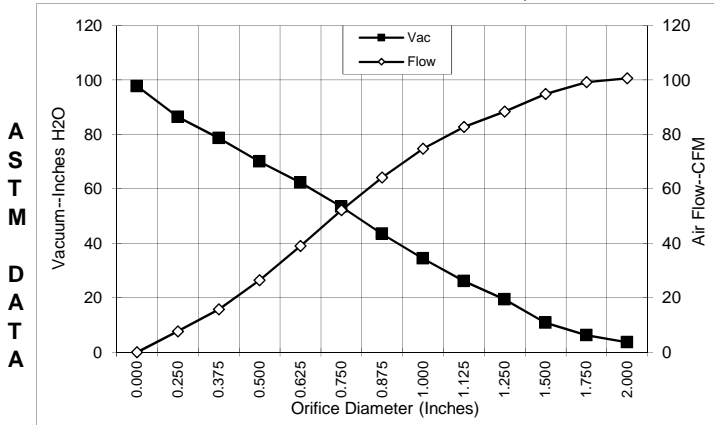
SPECIAL FEATURES

- Suitable for 240 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

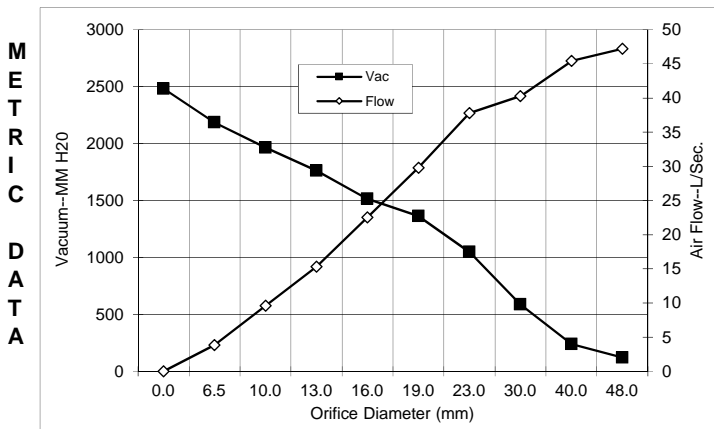
*** Model 116320-01 has epoxy painted fan case and patented Air Seal Bearing Protection. U.S. Patent #4,088,424**

TYPICAL MOTOR PERFORMANCE.*

(At 240 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	4.9	1134	19230	3.7	100.6	44
1.750	4.9	1135	19230	6.2	99.2	72
1.500	4.9	1142	19130	10.8	94.9	120
1.250	4.9	1144	19100	19.4	88.4	201
1.125	4.9	1144	19130	26.1	82.8	254
1.000	4.9	1137	19220	34.4	74.8	302
0.875	4.8	1115	19430	43.5	64.2	328
0.750	4.6	1077	19820	53.5	52.2	328
0.625	4.4	1016	20380	62.3	39.0	285
0.500	4.1	952	21250	70.1	26.4	217
0.375	3.7	875	22370	78.6	15.8	146
0.250	3.4	808	23420	86.4	7.7	78
0.000	3.2	752	24420	97.7	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	4.9	1134	19230	122	47.2	56
40.0	4.9	1140	19160	239	45.4	106
30.0	4.9	1144	19117	586	40.3	230
23.0	4.8	1121	19378	1047	37.8	515
19.0	4.6	1076	19831	1363	29.8	528
16.0	4.4	1018	20358	1515	22.5	470
13.0	4.1	958	21163	1761	15.3	224
10.0	3.8	887	22202	1964	9.6	157
6.5	3.4	811	23368	2185	3.8	81
0.0	3.2	752	24420	2482	0.0	0

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

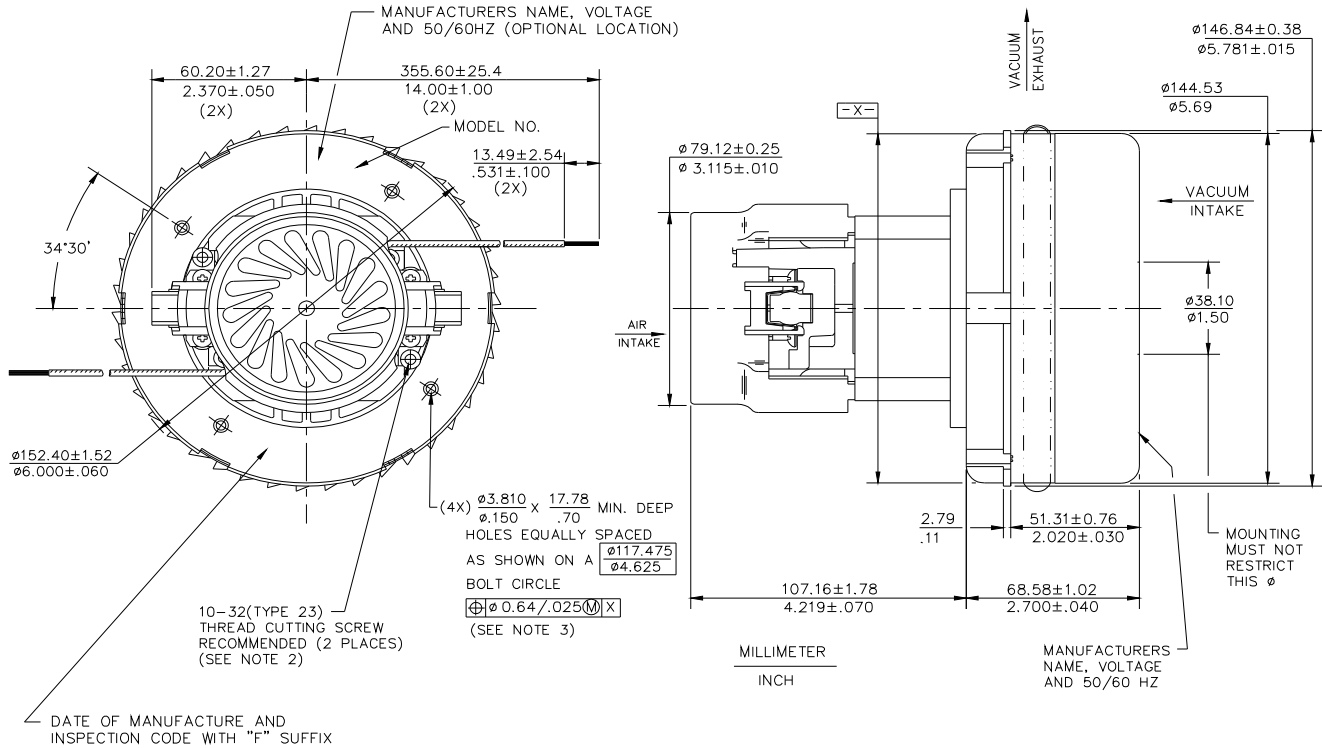
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	240 volt	Minimum Sealed Vacuum: 76	90"	ORIFICE: 13mm	Minimum Vacuum: 63"	Maximum Watts: 1100
-------------	----------	---------------------------	-----	---------------	---------------------	---------------------

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.

AMETEK/Floorcare & Specialty Motors
www.ametekfsm.com