



**Model: 116515-13  
116515-29\*  
116515-32\***

**SPECIAL FEATURES**

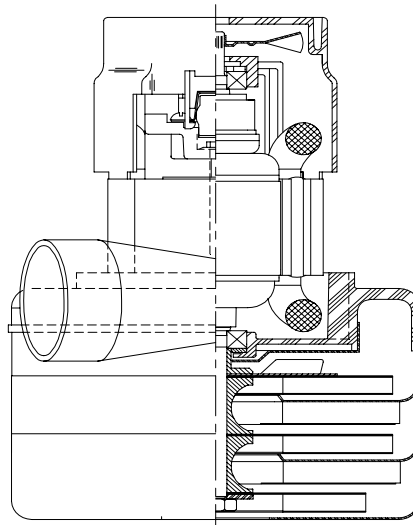
- Suitable for 24 volt DC operation
- UL Recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- Epoxy painted fan case
- Patented air seal bearing construction. U.S. Patent #4,088,424
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

**\*Model 116515-29 features inlet tube 1.50" diameter x 1.0" long**

**\*Model 116515-32 features inlet tube 1.89" diameter x 1.0" long**

**DESCRIPTION**

- Three stage
- 24 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential bypass discharge
- Thermoset plastic fan end bracket
- Aluminum commutator bracket

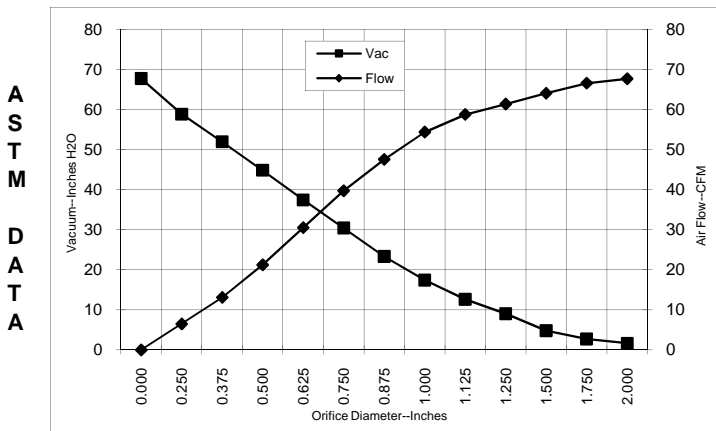


**DESIGN APPLICATION**

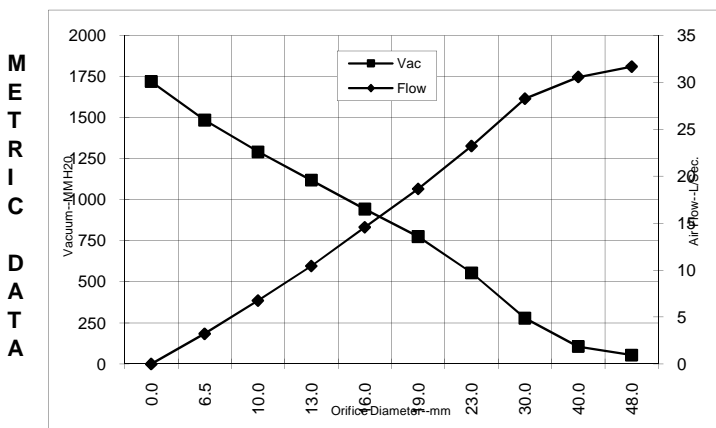
- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

**TYPICAL MOTOR PERFORMANCE.\***

(At 24 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	24.5	590	12930	1.6	67.6	13
1.750	24.6	591	12890	2.7	66.5	21
1.500	24.8	596	12890	4.8	64.0	36
1.250	25.1	604	12880	9.0	61.3	65
1.125	25.2	606	12850	12.6	58.7	87
1.000	25.2	606	12750	17.4	54.3	111
0.875	25.0	603	12820	23.3	47.5	130
0.750	24.4	588	13100	30.4	39.7	142
0.625	23.3	560	13580	37.4	30.5	134
0.500	22.1	532	14170	44.8	21.2	112
0.375	20.8	501	14860	51.9	13.1	80
0.250	19.6	471	15650	58.8	6.5	45
0.000	18.6	451	16280	67.7	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	24.6	590	12912	54	31.7	17
40.0	24.7	595	12890	106	30.6	32
30.0	25.1	605	12864	279	28.3	77
23.0	25.1	604	12803	554	23.2	125
19.0	24.4	587	13110	776	18.7	142
16.0	23.3	561	13561	943	14.6	134
13.0	22.2	535	14111	1119	10.4	114
10.0	21.0	506	14757	1291	6.8	85
6.5	19.6	473	15611	1485	3.2	47
0.0	18.6	451	16280	1720	0.0	0

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

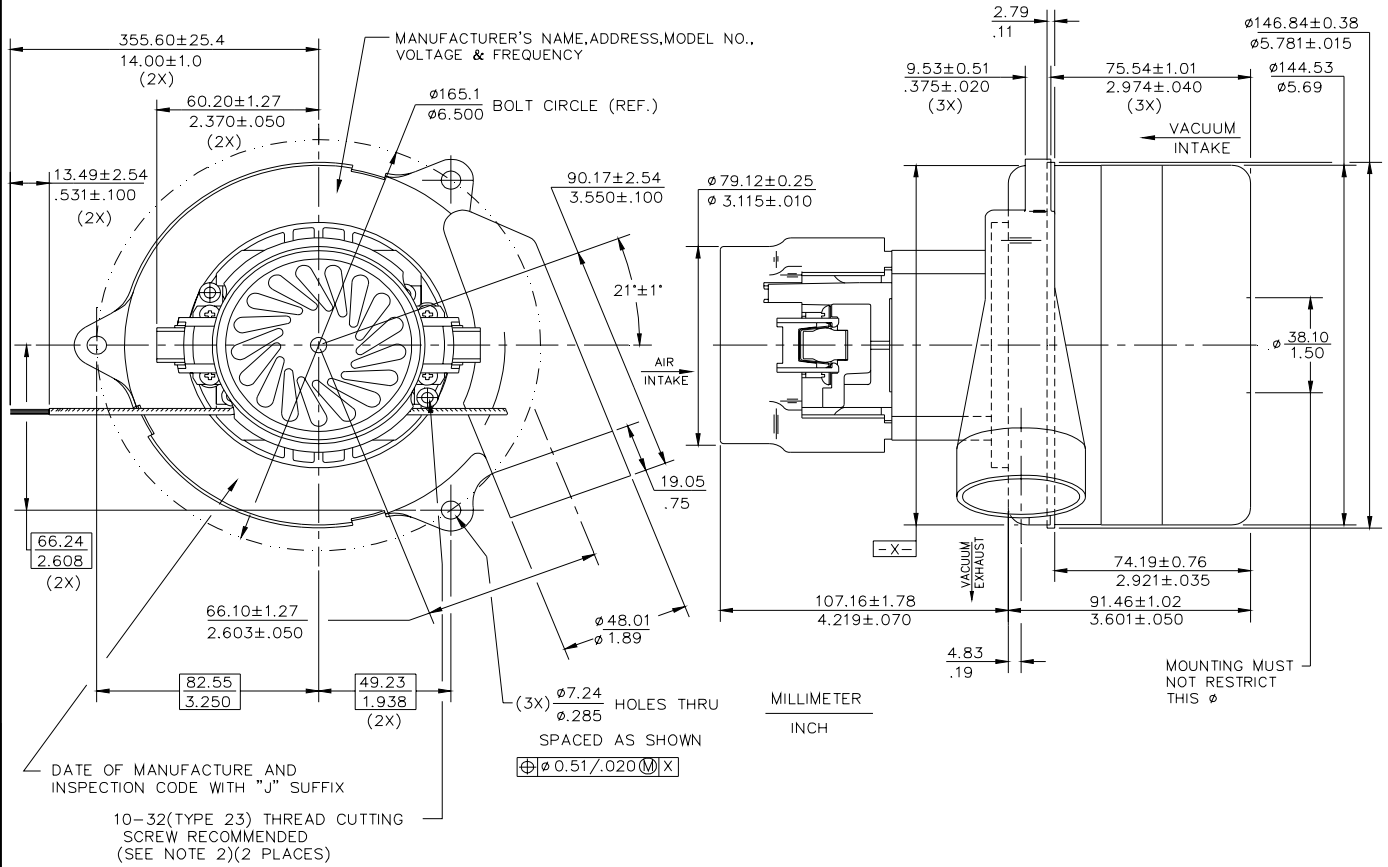
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

<b>Test Specs:</b>	24 volts	<b>Minimum Sealed Vacuum:</b>	62.0"	<b>ORIFICE:</b>	7/8 "	<b>Minimum Vacuum:</b>	19.5"	<b>Maximum Watts:</b>	640
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**DIMENSIONS**

NOTES:

- LEADS: 14GA. 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.



**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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