

LAMB ELECTRIC

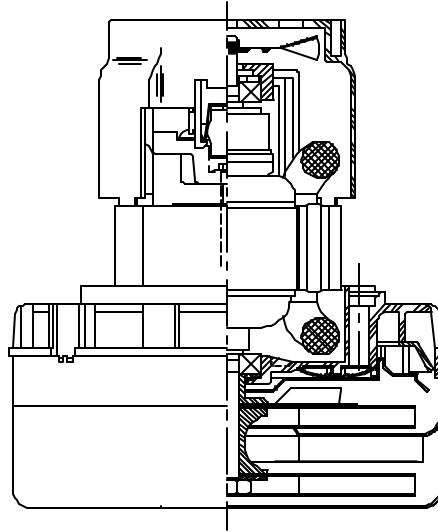
Model: 116599-13

DESCRIPTION

- Two stage
- 24 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- ACUSTEK® low-noise 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

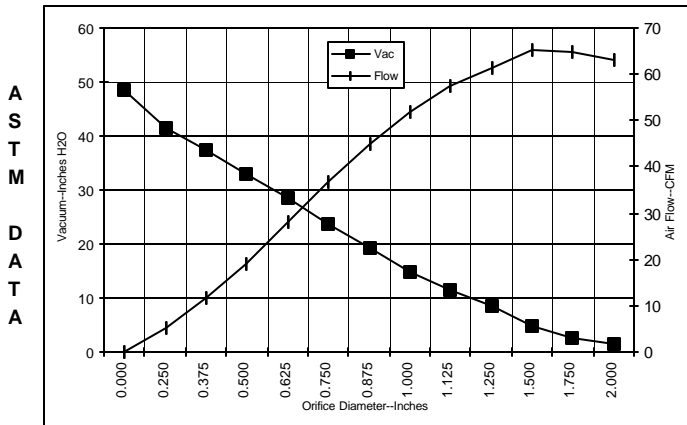


SPECIAL FEATURES

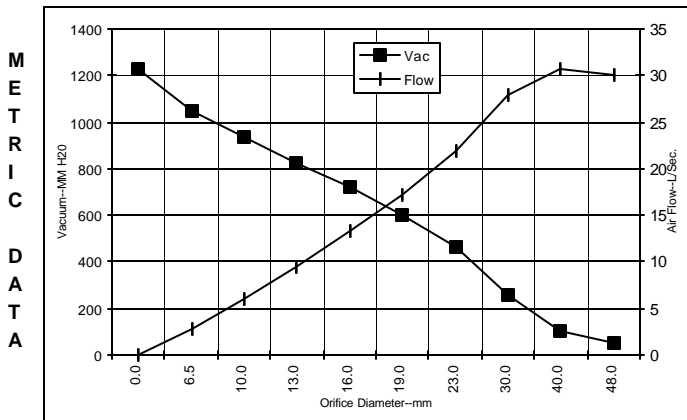
- Suitable for 24 volt DC operation
- UL Recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- Epoxy painted fan case
- Patented air seal bearing construction. U.S. Patent #4,088,424
- ACUSTEK® low noise design, U.S. Patent #1,417,200
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs.

TYPICAL MOTOR PERFORMANCE.*

(At 24 volts DC, 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	16.9	420	12630	1.4	63.2	10
1.750	16.9	422	12640	2.5	64.6	19
1.500	17.0	424	12610	4.7	65.1	36
1.250	17.1	426	12540	8.6	61.2	62
1.125	17.1	426	12530	11.5	57.3	77
1.000	17.0	424	12560	15.0	51.7	91
0.875	16.8	419	12690	19.2	44.8	101
0.750	16.4	410	12960	23.7	36.6	102
0.625	15.6	389	13400	28.7	27.9	94
0.500	14.8	370	13910	33.0	19.2	74
0.375	14.0	348	14590	37.4	11.5	50
0.250	13.1	324	15210	41.6	5.4	26
0.000	12.5	308	15840	48.5	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	16.9	421	12634	48	30.1	14
40.0	17.0	423	12619	103	30.7	31
30.0	17.1	426	12535	259	27.9	70
23.0	16.9	420	12658	461	22.0	99
19.0	16.4	410	12969	605	17.2	102
16.0	15.7	390	13382	724	13.3	94
13.0	14.9	372	13859	827	9.5	76
10.0	14.1	351	14488	933	6.0	54
6.5	13.2	325	15179	1051	2.7	27
0.0	12.5	308	15840	1232	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 variati

Test Specs:	24 volts	Minimum Sealed Vacuum:	45.1"	ORIFICE:	7/8"	Minimum Vacuum:	17.5"	Maximum Watts:	480
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