



LAMB ELECTRIC



Generation 2000 Vacuum Motors

Model: 119516-13

DESCRIPTION

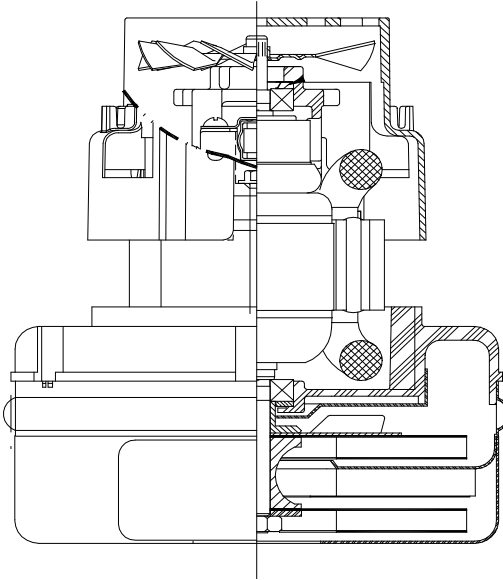
- Two stage
- 24 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Peripheral bypass discharge
- Thermoset fan end bracket
- Thermoset commutator bracket

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 #1,417,200

DESIGN APPLICATION

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



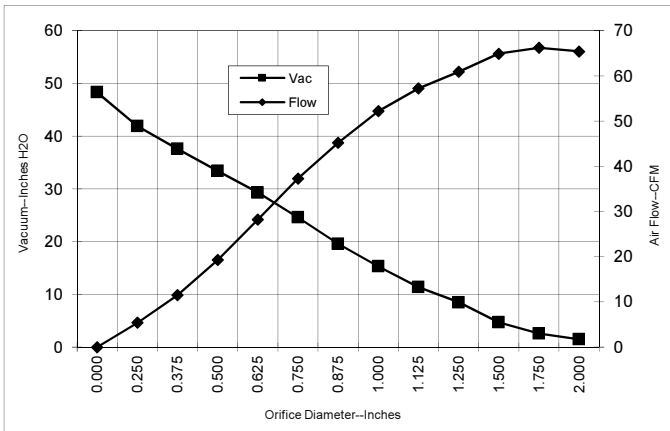
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs.

Model 119516-13 is the G2K replacement for model 116555-13.

TYPICAL MOTOR PERFORMANCE.*

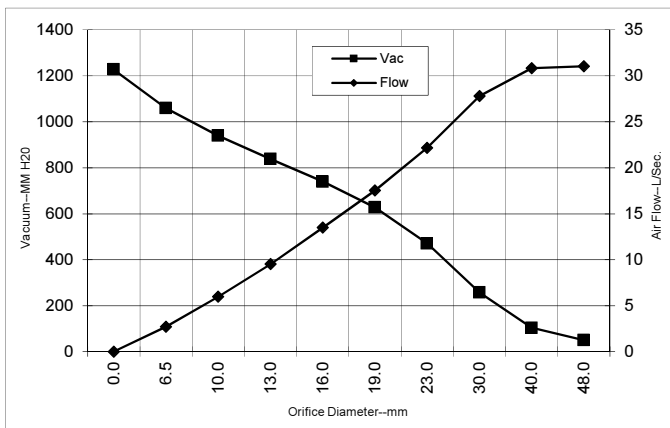
(At 24 volts DC, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	16.9	416	12767	1.5	65.4	12
1.750	16.9	416	12700	2.6	66.2	20
1.500	16.9	418	12700	4.7	64.9	36
1.250	17.0	419	12683	8.5	60.9	61
1.125	17.0	419	12650	11.4	57.2	77
1.000	16.9	416	12750	15.3	52.2	93
0.875	16.7	412	12883	19.6	45.2	104
0.750	16.2	401	13067	24.6	37.3	108
0.625	15.6	387	13500	29.3	28.2	97
0.500	14.9	370	14083	33.4	19.3	76
0.375	14.2	350	14700	37.6	11.5	51
0.250	13.4	332	15500	41.9	5.4	27
0.000	12.8	315	16083	48.3	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	16.9	416	12738	50	31.0	15
40.0	16.9	417	12700	103	30.8	31
30.0	17.0	419	12665	256	27.8	70
23.0	16.7	413	12850	471	22.2	101
19.0	16.2	401	13076	627	17.5	108
16.0	15.6	388	13483	739	13.5	97
13.0	15.0	372	14025	838	9.5	78
10.0	14.3	353	14607	939	6.0	55
6.5	13.4	333	15460	1059	2.7	28
0.0	12.8	315	16083	1227	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:	24 volts	Minimum Sealed Vacuum:	45.1"	ORIFICE:	7/8 "	Minimum Vacuum:	17.5"	Maximum Watts:	480
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