

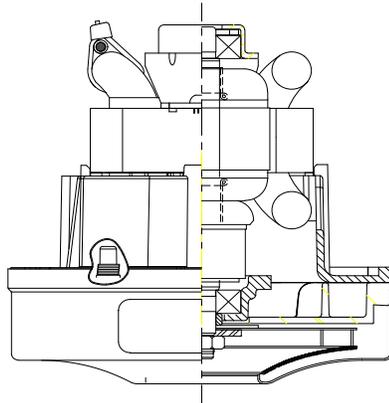


LAMB ELECTRIC

Model: 122541-01

DESCRIPTION

- One stage
- 120 volts
- 4.3" / 106 mm diameter
- Dual ball bearings
- Single speed
- Thru-flow discharge
- Thermal set fan end bracket
- Metal commutator bracket



SPECIAL FEATURES

- Suitable for 120 volt AC operation, 50/60 Hz
- cRUus recognized, category PRGY2/8 (E47185)
- Provision for grounding
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

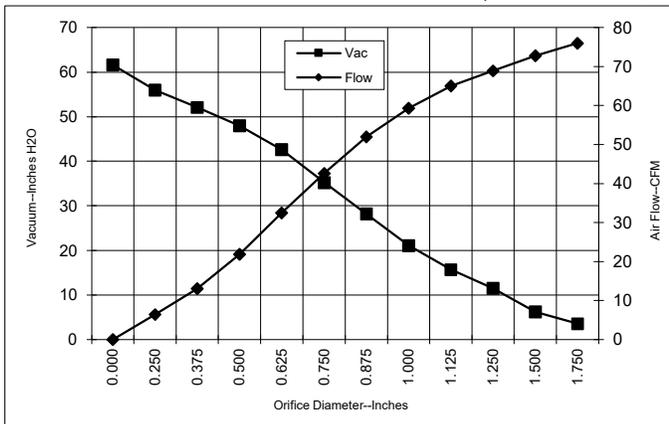
DESIGN APPLICATION

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

TYPICAL MOTOR PERFORMANCE.*

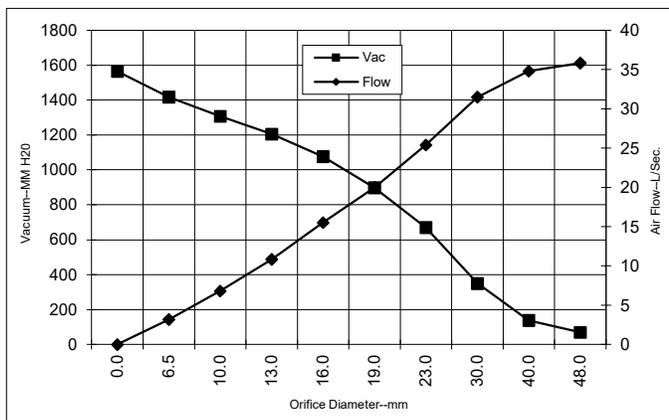
(At 120 volts DC, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	4.0	469	28530	2.1	75.9	19
1.750	4.0	468	28580	3.6	76.0	32
1.500	4.0	470	28580	6.2	72.8	53
1.250	4.0	472	28680	11.5	68.9	93
1.125	4.0	468	28730	15.7	65.0	120
1.000	3.9	466	28880	21.1	59.3	147
0.875	3.9	457	29180	28.2	52.0	172
0.750	3.8	446	29835	35.2	42.6	176
0.625	3.6	422	30740	42.7	32.5	163
0.500	3.3	389	32045	48.0	21.9	123
0.375	3.0	360	33550	52.1	13.1	80
0.250	2.8	340	35055	56.0	6.4	42
0.000	2.7	317	36915	61.6	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	4.0	469	28552	69	35.8	25
40.0	4.0	469	28580	138	34.8	47
30.0	4.0	470	28708	350	31.5	108
23.0	3.9	459	29105	671	25.4	166
19.0	3.8	446	29853	899	20.0	176
16.0	3.6	423	30704	1076	15.5	164
13.0	3.3	392	31915	1205	10.8	127
10.0	3.1	364	33324	1307	6.8	86
6.5	2.8	341	34980	1417	3.2	44
0.0	2.7	317	36915	1565	0.0	0

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

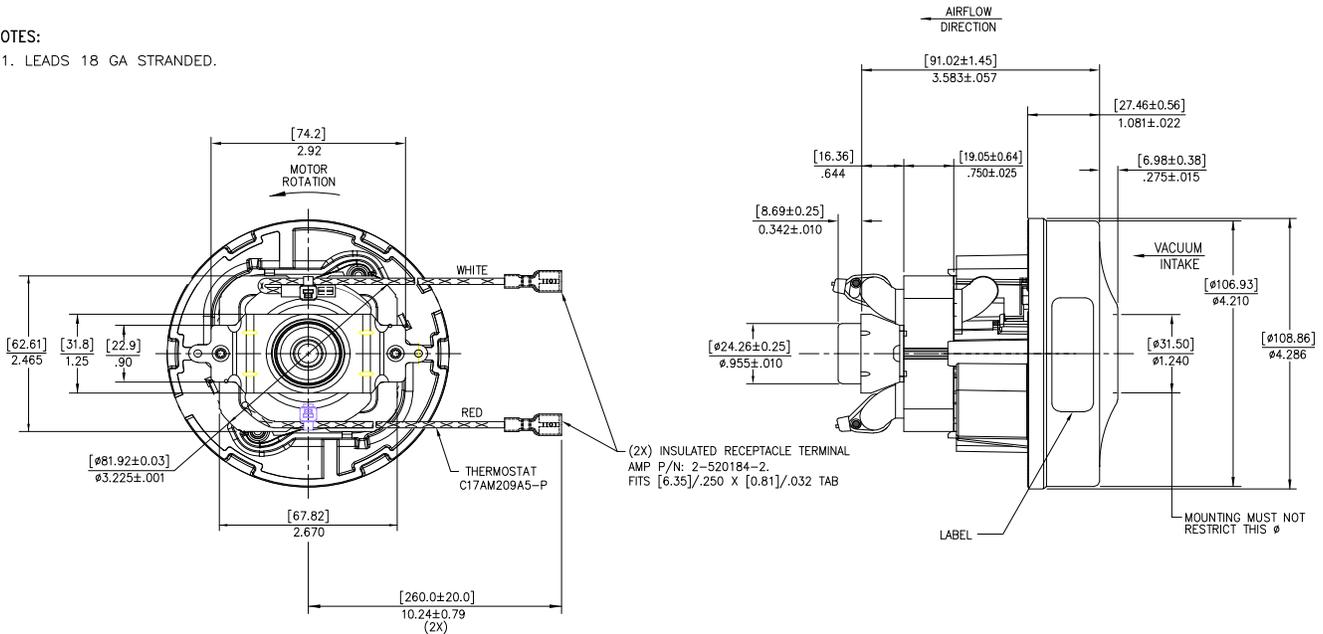
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs: 120 volts	Minimum Sealed Vacuum: 51.7"	ORIFICE: 3/4"	Minimum Vacuum: 30.0"	Maximum Watts: 466
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DIMENSIONS

NOTES:

- 1. LEADS 18 GA STRANDED.



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.

AMETEK Dynamic Fluid Solutions
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