



**LAMB ELECTRIC**

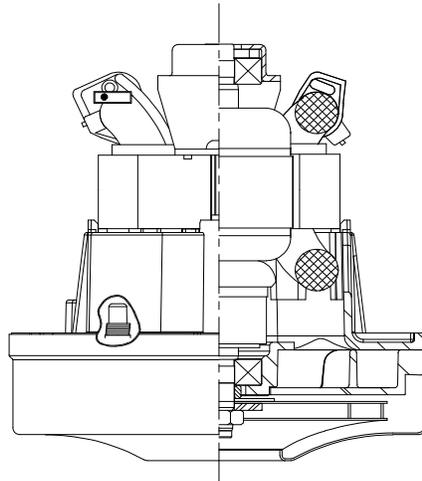
**Model: 122058-01**

**DESCRIPTION**

- One stage
- 120 volts
- 4.3" / 109 mm diameter
- Dual ball bearings
- Single speed
- Thru-flow discharge
- Thermoset fan end bracket
- Steel top bracket

**DESIGN APPLICATION**

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



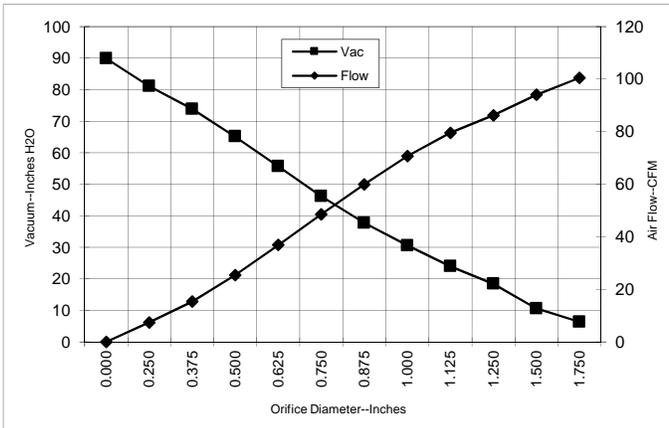
**SPECIAL FEATURES**

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

**TYPICAL MOTOR PERFORMANCE.\***

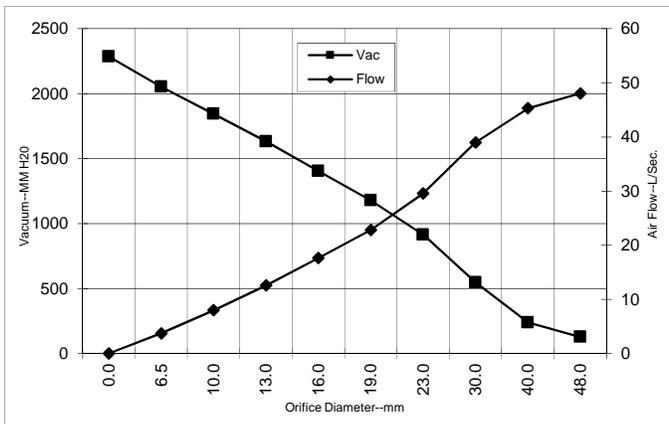
(At 120 volts DC, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

**ASTM DATA**



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H <sub>2</sub> O)	Flow (CFM)	Air Watts
2.000	6.6	771	38197	3.9	102.8	47
1.750	6.6	776	38070	6.4	100.5	75
1.500	6.6	779	37793	10.6	94.0	117
1.250	6.8	796	37794	18.4	86.2	186
1.125	6.8	803	37439	24.0	79.6	224
1.000	6.8	804	37441	30.6	70.7	254
0.875	6.8	800	37674	37.8	60.0	266
0.750	6.6	778	38201	46.2	48.6	263
0.625	6.3	745	39217	55.7	36.9	241
0.500	5.9	692	40717	65.1	25.4	194
0.375	5.4	639	42888	73.8	15.4	133
0.250	4.8	576	45367	81.1	7.4	71
0.000	4.4	528	47325	89.9	0.0	0

**METRIC DATA**



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H <sub>2</sub> O)	Flow (L/Sec)	Air Watts
48.0	6.6	773	38142	126	48.0	59
40.0	6.6	778	37876	237	45.3	104
30.0	6.8	800	37599	546	39.0	207
23.0	6.8	801	37616	914	29.6	263
19.0	6.6	778	38221	1178	22.8	263
16.0	6.3	747	39176	1404	17.6	242
13.0	5.9	698	40567	1631	12.5	199
10.0	5.5	647	42562	1843	8.0	142
6.5	4.9	579	45243	2052	3.7	74
0.0	4.4	528	47325	2284	0.0	0

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

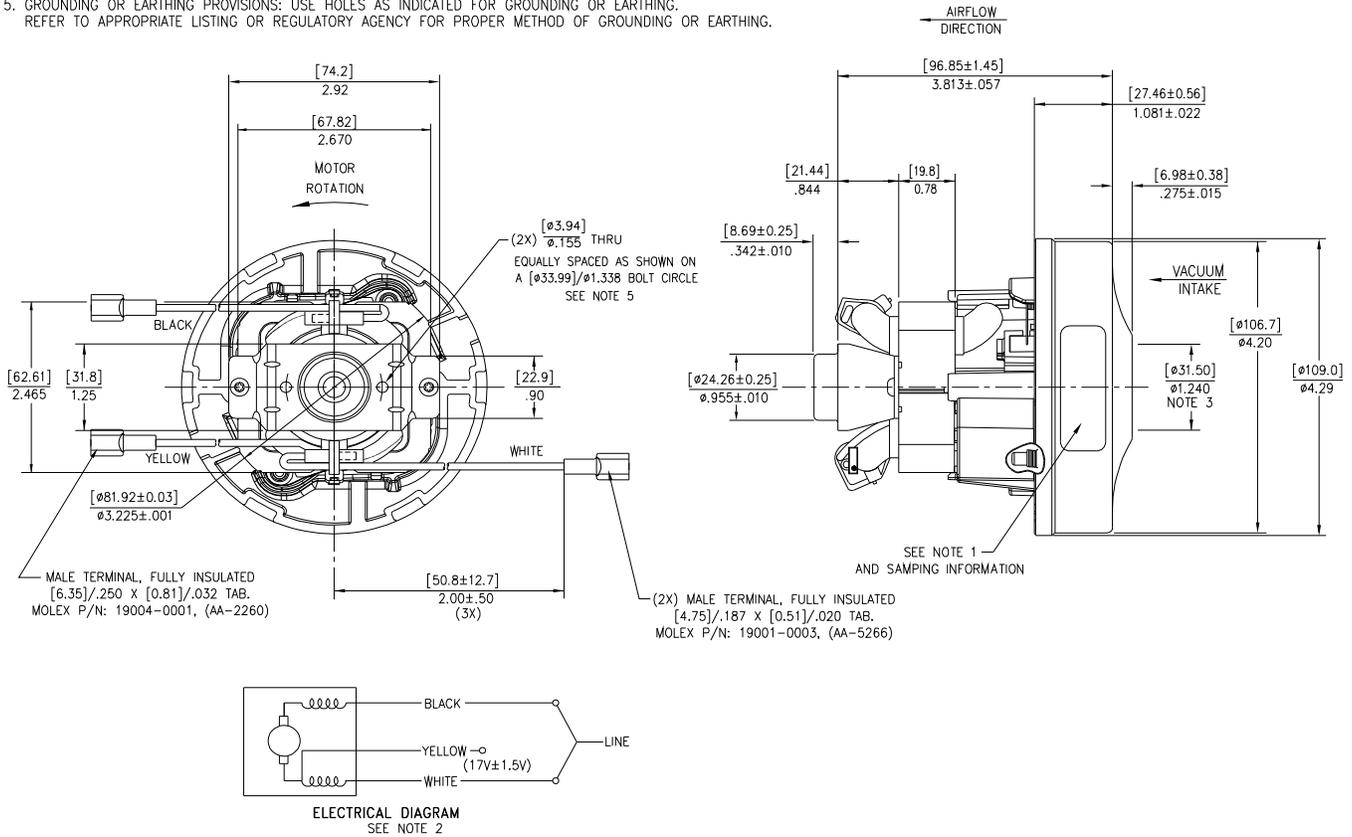
\* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs: 120 volts	Minimum Sealed Vacuum: 72.0"	ORIFICE: 7/8"	Minimum Vacuum: 36.5"	Maximum Watts: 780
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**DIMENSIONS**

**NOTES:**

1. MODEL NUMBER, DATE OF MANUFACTURE, PLANT LOCATION CODE, AGENCY RECOGNITION CODE, INSPECTOR'S CODE, MANUFACTURER'S NAME, VOLTAGE AND FREQUENCY TO APPEAR ON MOTOR.
2. THE TAP VOLTAGE BETWEEN THE YELLOW AND THE WHITE LEADS AT 7/8 ORIFICE IS 17±1.5 VOLTS AT 60Hz.
3. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
4. LEADS: 18GA STRANDED.
5. 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.

**AMETEK/Floorcare & Specialty Motors**  
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