



AMETEK
LAMB ELECTRIC

Product Bulletin

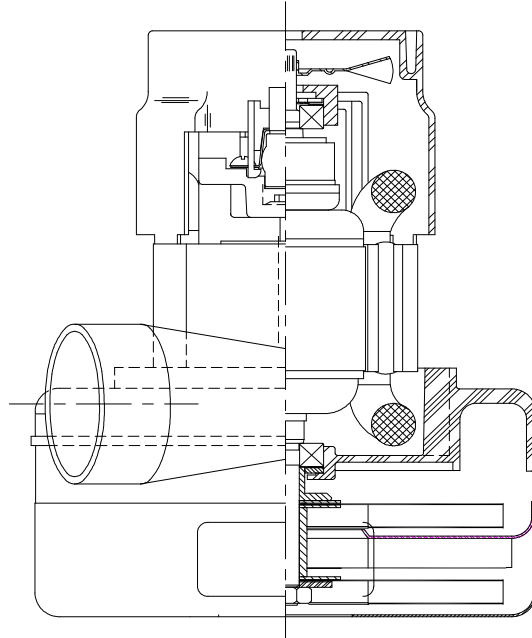
Model: 122375-00

DESCRIPTION

- Two stage
- 120 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential 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



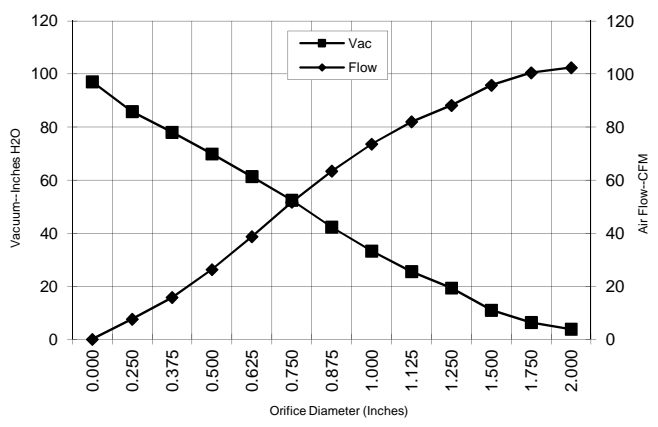
SPECIAL FEATURES

- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA certified, class 1611 01 (LR31393)
- 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

TYPICAL MOTOR PERFORMANCE.*

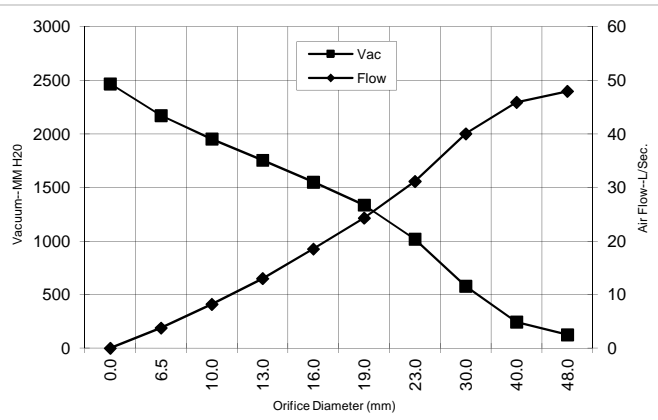
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	8.4	953	19455	3.8	102.4	46
1.750	8.4	951	19405	6.4	100.5	75
1.500	8.5	952	19305	11.0	95.8	124
1.250	8.5	961	19305	19.3	88.2	200
1.125	8.5	960	19205	25.6	82.0	246
1.000	8.5	953	19255	33.3	73.6	288
0.875	8.4	943	19405	42.3	63.4	315
0.750	8.1	917	19705	52.4	51.7	318
0.625	7.7	869	20245	61.4	38.7	279
0.500	7.1	808	21095	69.9	26.3	216
0.375	6.5	745	22085	78.1	15.8	145
0.250	5.9	688	23135	85.9	7.6	77
0.000	5.5	644	24080	97.1	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	8.4	952	19433	126	47.9	59
40.0	8.4	952	19335	244	45.9	109
30.0	8.5	960	19250	578	40.0	225
23.0	8.4	946	19368	1018	31.1	308
19.0	8.1	916	19716	1336	24.3	317
16.0	7.7	871	20223	1549	18.5	281
13.0	7.1	814	21010	1754	13.0	222
10.0	6.6	754	21937	1952	8.2	156
6.5	6.0	691	23083	2171	3.8	80
0.0	5.5	644	24080	2467	0.0	0

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

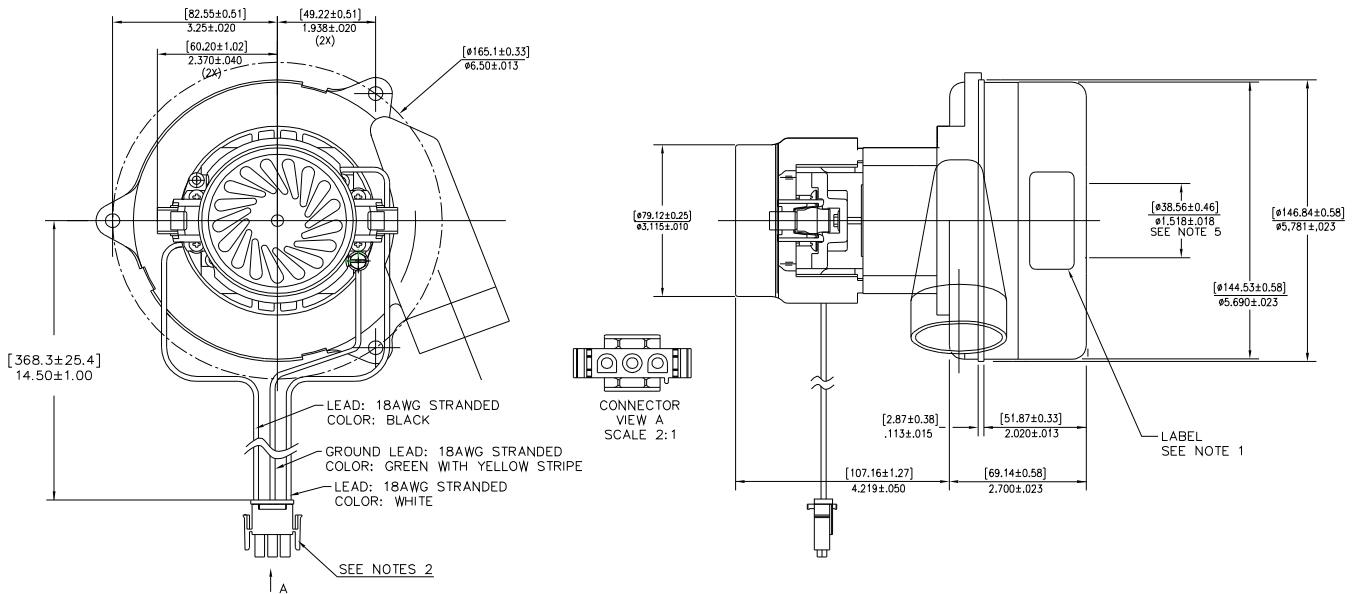
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	120 volts	Minimum Sealed Vacuum:	87"	ORIFICE:	7/8"	Minimum Vacuum:	38"	Maximum Watts:	1000
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DIMENSIONS

NOTES:

1. MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTORS CODE, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE AND APPLICABLE PATENTS TO APPEAR ON ASSEMBLY.
2. CONNECTOR, TERMINALS, AND SEAL:
 - PLUG: 3 CIRCUIT AMP P/N: 1-480700-0
 - PIN CONTACT: (3) REQUIRED AMP P/N: 350536-1
 - 3 CIRCUIT WIRESEAL: AMP P/N: 794272
 - INTERFACE SEAL: AMP P/N: 794271-1
3. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
4. COOLING AIR EXHAUST MUST BE SEPARATED FROM VACUUM AIR EXHAUST.
5. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
6. ALLOW 2.5 SQ IN [0.0016 SQ MM] UNOBSTRUCTED COOLING AIR INTAKE.



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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