AMETEK

Product Bulletin

LAMB ELECTRIC

AIR WATT™ SERIES

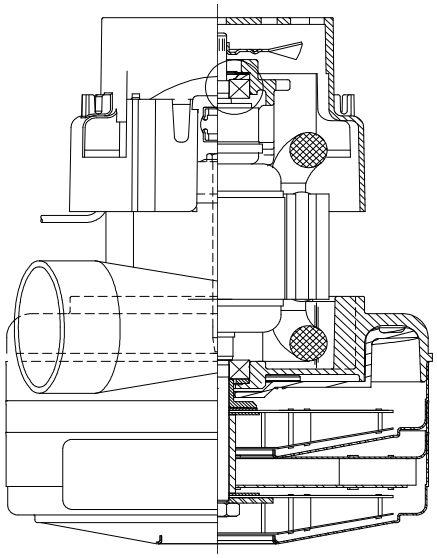
Model: 122039-00

DESCRIPTION

- Dual-Tapered Fan System
- 240 Volts
- 5.7"/ 145 mm diameter
- Dual ball bearings
- Single speed
- Tangential bypass discharge
- Thermoset Plastic Fan End bracket
- Thermoset Plastic 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 240 Volts 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton frame design
- Dual Tapered fan system

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

PEAK AIRWATTS

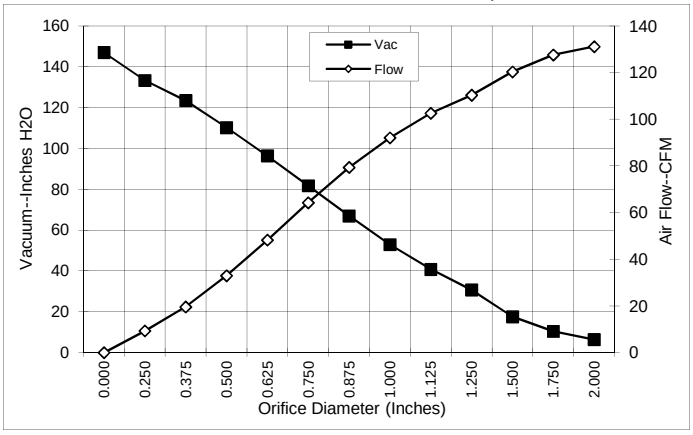
630

Calculated in accordance with ASTM F2105

TYPICAL MOTOR PERFORMANCE.*

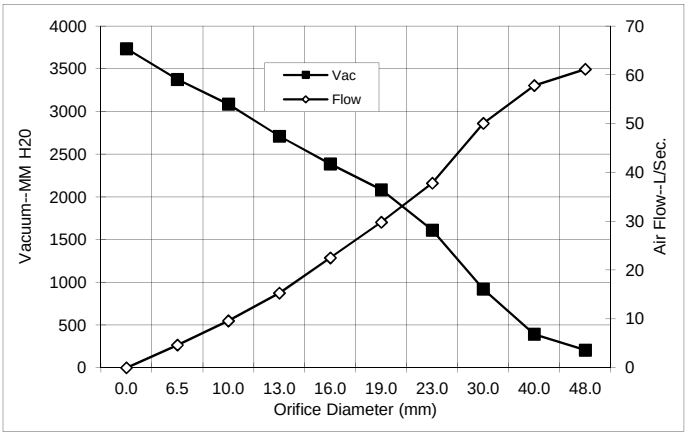
(At 240 Volts , 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68°F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	7.9	1817	25160	6.4	131.1	99
1.750	7.9	1818	25157	10.4	127.6	147
1.500	7.9	1818	25160	17.6	120.3	249
1.250	8.0	1827	25157	30.7	110.3	399
1.125	7.9	1810	25543	40.8	102.6	492
1.000	7.8	1785	25543	52.9	92.1	573
0.875	7.6	1746	25933	67.0	79.4	625
0.750	7.3	1681	26323	81.7	64.2	617
0.625	6.9	1583	27113	96.4	48.3	547
0.500	6.3	1454	28290	110.2	33.0	427
0.375	5.6	1303	29857	123.5	19.6	284
0.250	5.0	1166	31293	133.3	9.3	146
0.000	4.5	1062	32857	147.0	0.0	0

METRIC DATA



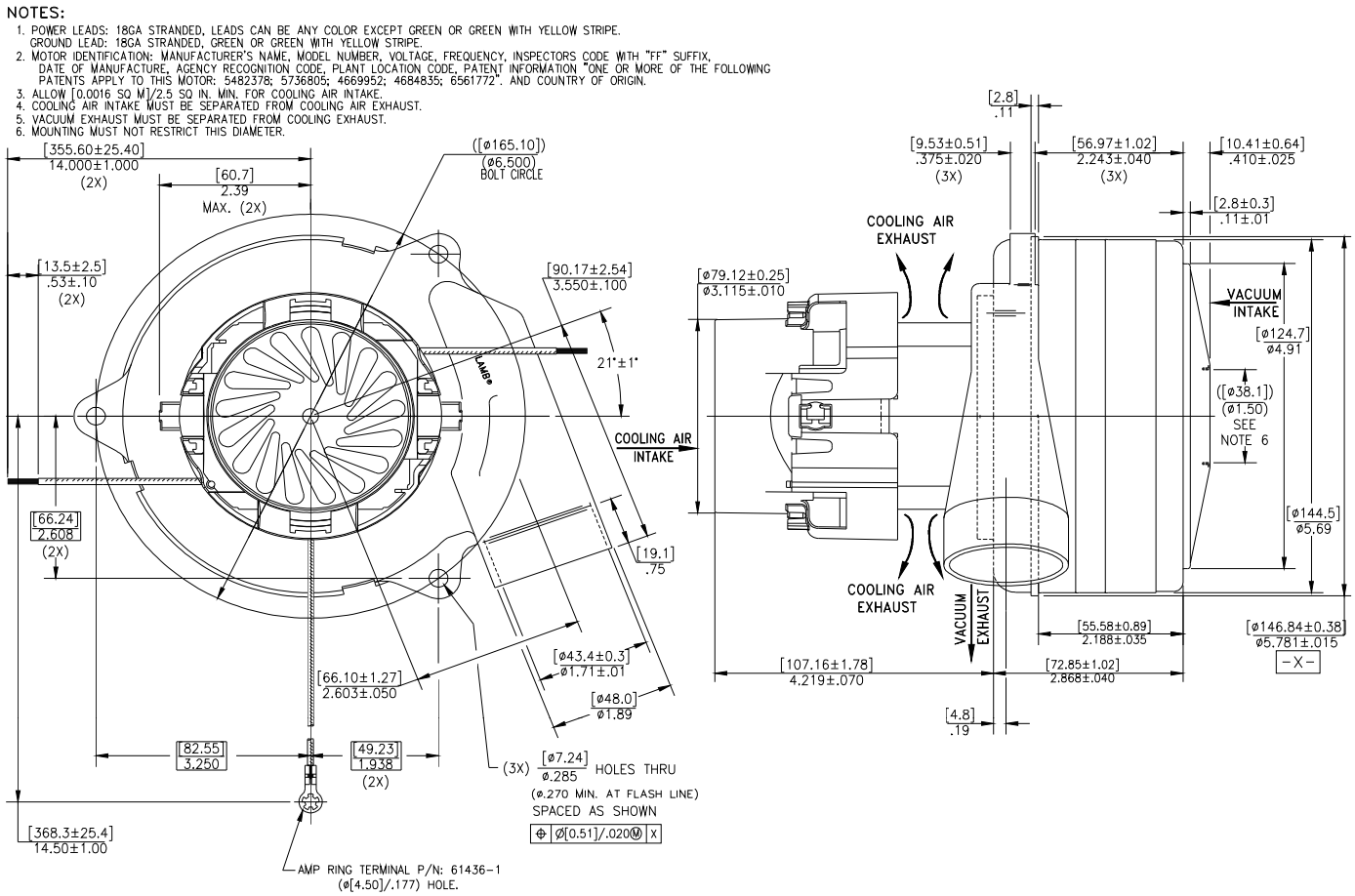
Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	7.9	1817	25159	207	61.1	120
40.0	7.9	1818	25159	393	57.8	218
30.0	7.9	1818	25369	921	50.1	450
23.0	7.6	1756	25836	1611	37.8	612
19.0	7.3	1679	26339	2083	29.8	616
16.0	6.9	1587	27081	2385	22.5	550
13.0	6.3	1467	28172	2710	15.3	439
10.0	5.7	1326	29622	3086	9.6	306
6.5	5.0	1173	31221	3373	4.7	153
0.0	4.5	1062	32857	3733	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 to normal manufacturing variations.

Test Specs:	240 volt	**Minimum Sealed Vacuum: 76**	137.0	**ORIFICE: 7/8"**	**Minimum Vacuum:**	61.0	**Maximum Watts:** 1850

DIMENSIONS



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) of 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 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 motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

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