



AMETEK
LAMB ELECTRIC

Product Bulletin

Model: 119645-00

SPECIAL FEATURES

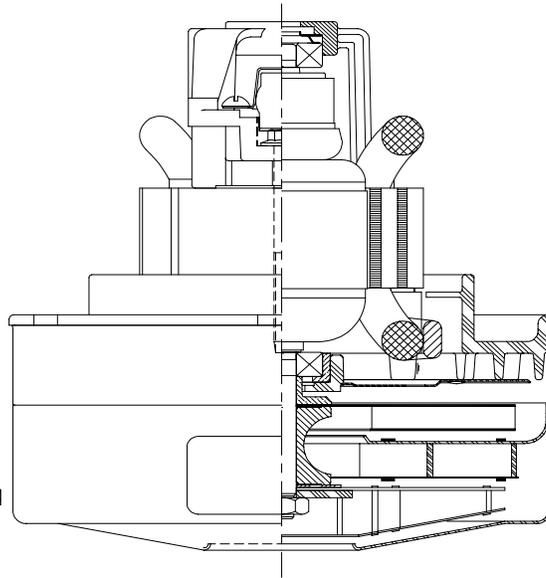
- Suitable for 120 volt AC operation, 50 or 60 Hz
 - UL recognized, category PRGY2 (E47185)
 - Provision for grounding
 - Skeleton frame design
 - Tapered fan system
 - High air flow fan system
 - Self-Hold Thermal Protection
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

DESCRIPTION

- Two stage
- 120 volts
- 5.7" / 145 mm diameter
- Double Ball bearings
- Single speed
- Thru-Flow discharge
- Thermoset end bracket
- Aluminum commutator bracket

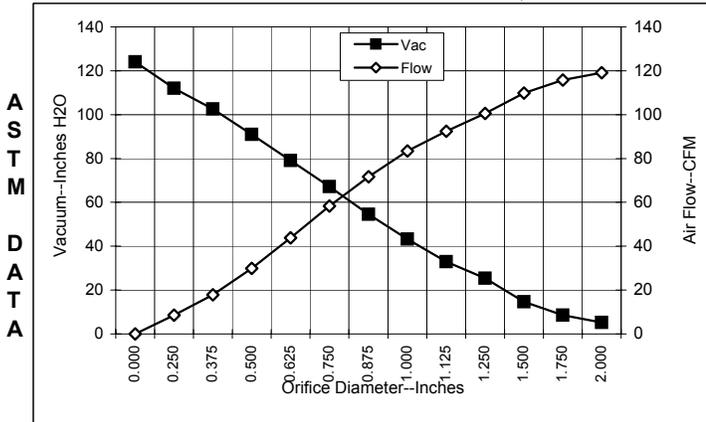
DESIGN APPLICATION

- Equipment operating in environments not requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

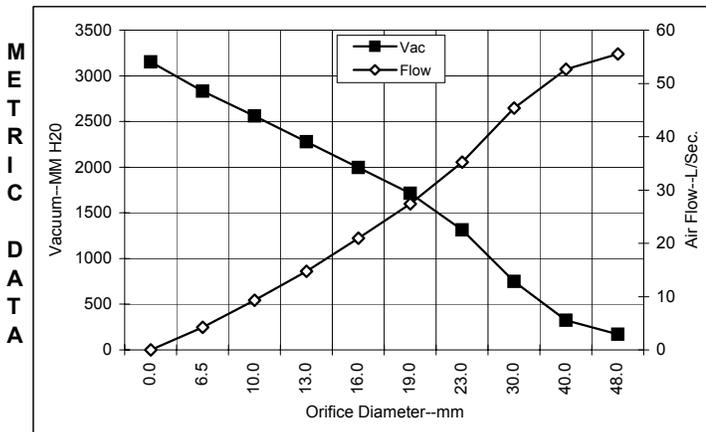


TYPICAL MOTOR PERFORMANCE.*

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



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	11.8	1337	22094	5.2	119.1	73
1.750	12.0	1343	22029	8.5	115.8	116
1.500	12.0	1355	21940	14.6	109.8	189
1.250	12.2	1376	21742	25.4	100.6	300
1.125	12.3	1384	21662	32.9	92.4	357
1.000	12.2	1378	21722	43.2	83.4	424
0.875	12.0	1356	21900	54.5	71.7	459
0.750	11.6	1310	22327	67.2	58.3	460
0.625	10.9	1234	23102	79.1	43.8	407
0.500	10.0	1133	24194	90.9	29.9	319
0.375	8.9	1016	25663	102.5	17.9	215
0.250	8.0	917	27083	112.0	8.5	113
0.000	7.4	851	28324	124.1	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	11.9	1340	22065	169	55.5	92
40.0	12.0	1351	21967	324	52.7	167
30.0	12.3	1380	21698	750	45.4	331
23.0	12.1	1362	21856	1313	35.2	450
19.0	11.6	1308	22343	1713	27.4	459
16.0	10.9	1237	23071	1997	20.9	409
13.0	10.1	1143	24085	2279	14.8	328
10.0	9.1	1034	25443	2559	9.3	231
6.5	8.0	922	27012	2833	4.2	118
0.0	7.4	851	28324	3152	0.0	0

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

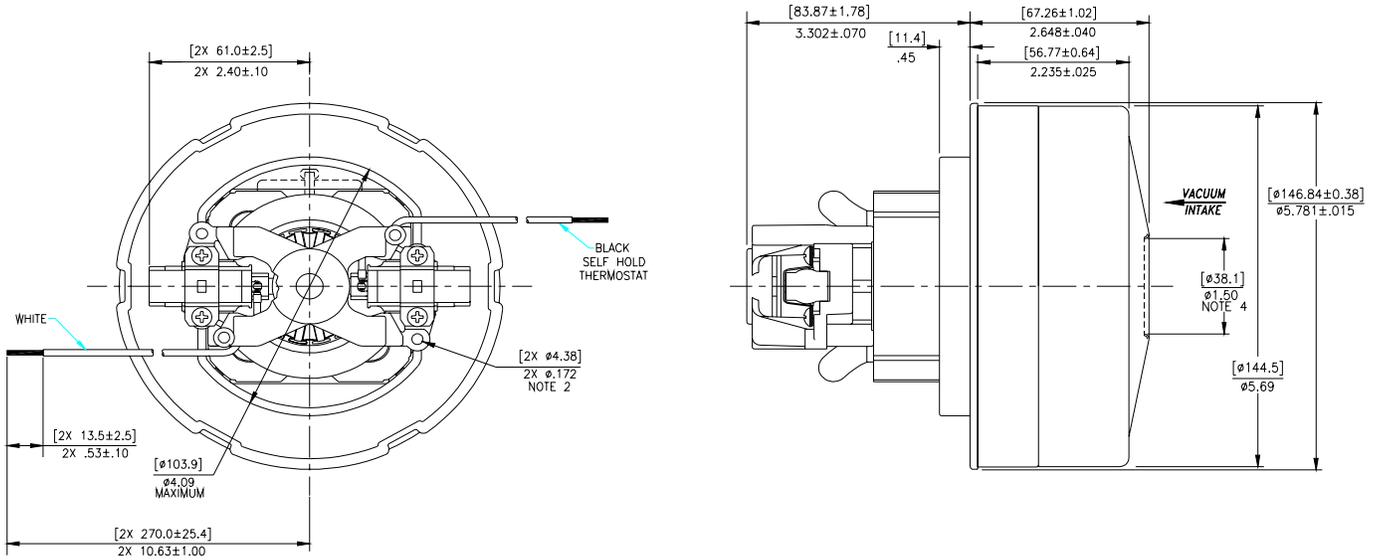
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	120 volts	Minimum Sealed Vacuum:	113.0"	ORIFICE:	7/8"	Minimum Vacuum:	50.0"	Maximum Watts:	1550
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DIMENSIONS

NOTES:

1. LEADS: 18GA STRANDED.
2. 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.
- ▶ 3. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTOR'S CODE, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, "08B ARM", "12B FLD" AND MADE IN U.S.A.
4. MOUNTING MUST NOT RESTRICT THIS DIAMETER.



IMPORTANT NOTE: Pictorial and dimensional data are subject to change without notice. Contact factory for current revision levels.

WARNING - Ametek/Lamb Electric thru-flow vacuum motors must never be used in applications in which wet or moist conditions are involved, where dry chemicals or other volatile materials are present or where airflow may be restricted or blocked. Such motors are designed to permit the vacuumed air to pass over the electrical winding to cool it. Thus any foam, liquid (including water), dry chemical or other foreign substance will come in contact with electrical conductors which could cause combustion (depending on volatility) or electrical shock. Failure to observe these precautions could result in property damage and severe personal injury, including death in extreme cases. All applications incorporating Lamb motors should be submitted to Underwriters Laboratories Inc. or other appropriate organizations or agencies for testing specifically related to the safety of your equipment.

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