



AMETEK
LAMB ELECTRIC

Product Bulletin

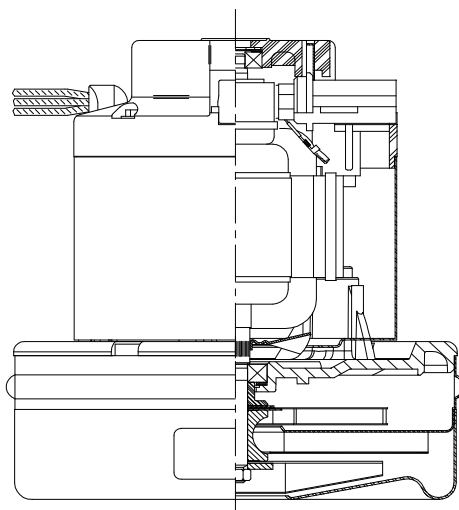
Model: 119879-00

DESCRIPTION

- Two stage
- 120 volts
- 5.7" / 145 mm diameter
- Dual ball bearings
- Single speed
- Tangential bypass discharge
- Plastic 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



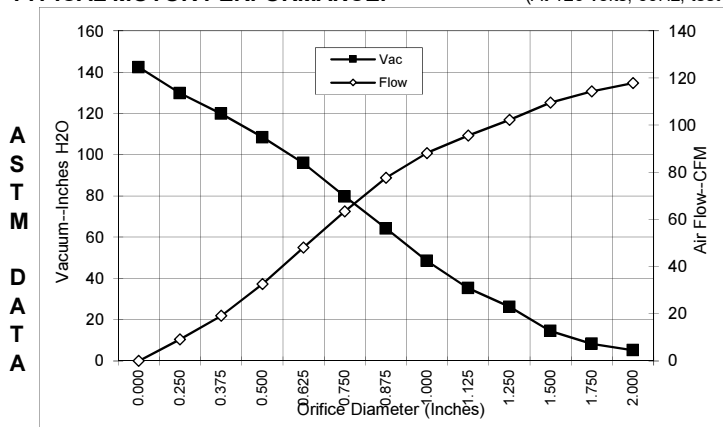
SPECIAL FEATURES

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

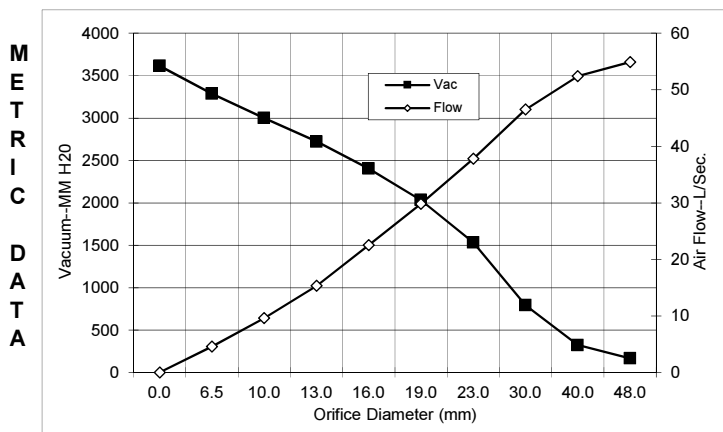


TYPICAL MOTOR PERFORMANCE.*

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



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	15.0	1708	24250	5.1	117.8	71
1.750	15.1	1726	24390	8.3	114.3	112
1.500	15.1	1730	24210	14.5	109.6	187
1.250	15.1	1722	24150	26.2	102.2	315
1.125	15.2	1730	24210	35.2	95.6	396
1.000	15.3	1748	24310	48.4	88.2	502
0.875	15.0	1713	24450	64.2	77.7	586
0.750	14.5	1655	24730	79.7	63.4	594
0.625	13.8	1583	25250	95.9	48.1	542
0.500	12.9	1482	26180	108.4	32.6	415
0.375	11.8	1362	27290	119.8	19.2	270
0.250	10.8	1254	28550	129.8	9.2	140
0.000	9.9	1156	29550	142.3	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	15.0	1716	24312	166	54.9	89
40.0	15.1	1729	24264	321	52.4	165
30.0	15.1	1726	24183	791	46.5	360
23.0	15.1	1722	24415	1530	37.8	515
19.0	14.5	1654	24740	2033	29.8	528
16.0	13.8	1586	25229	2403	22.5	470
13.0	13.0	1492	26087	2722	15.3	428
10.0	11.9	1380	27124	2999	9.6	292
6.5	10.8	1259	28487	3284	4.6	147
0.0	9.9	1156	29550	3614	0.0	0

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

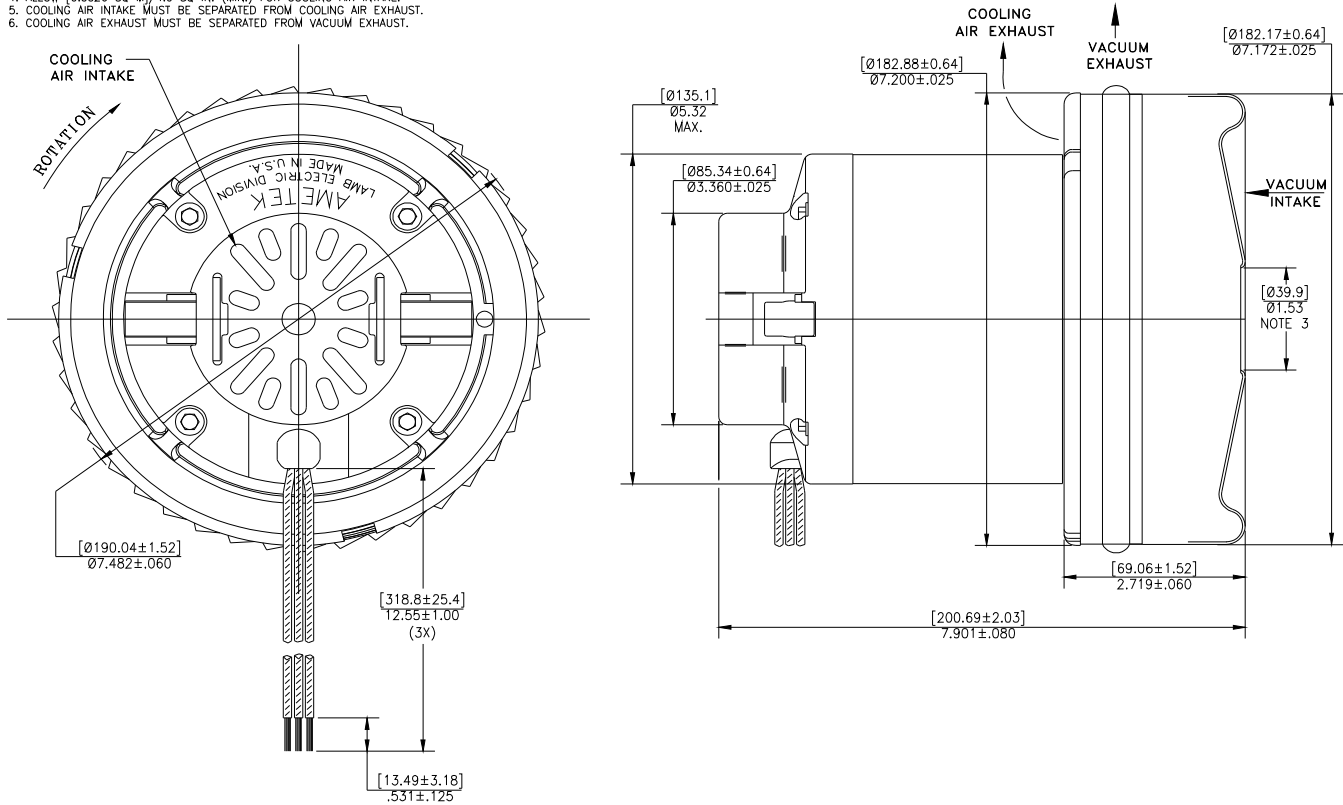
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	120 volt	Minimum Sealed Vacuum: 76	128.0"	ORIFICE: 7/8"	Minimum Vacuum: 62.0"	Maximum Watts: 1900
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DIMENSIONS

NOTES:

1. LEADS: 16GA. STRANDED, ONE BLACK AND ONE WHITE. GROUND LEAD: 16GA. STRANDED, GREEN WITH YELLOW STRIPE.
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTOR'S CODE WITH "FF" SUFFIX, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENTS: "4698534; 4621991; PATENT PENDING" AND COUNTRY OF ORIGIN.
3. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
4. ALLOW [0.0025 SD M]/4.0 SD IN. (MIN.) FOR COOLING AIR INTAKE.
5. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
6. COOLING AIR EXHAUST MUST BE SEPARATED FROM VACUUM EXHAUST.



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.

AMETEK Dynamic Fluid Solutions
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