

## LAMB ELECTRIC

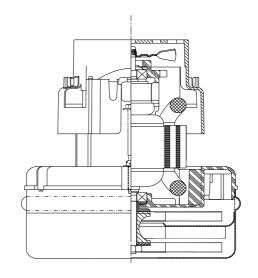
Model: 119793-00

#### **DESCRIPTION**

- Two stages
- 100 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Peripheral bypass discharge
- Thermoset fan end bracket
- Thermoset commutator bracket



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

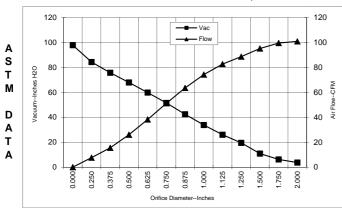


#### **SPECIAL FEATURES**

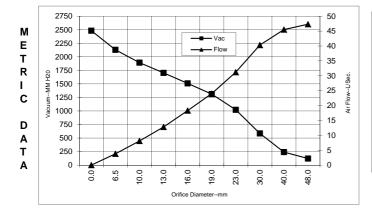
- Suitable for 100 volt AC operation,
- UL recognized, category PRGY2 (E47185)
- No shaft extension
- Provision for grounding
- Skeleton-frame design
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

### **TYPICAL MOTOR PERFORMANCE.\***

(At 100 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)



Orifice	Amps	Watts	RPM	Vac	Flow	Air
(Inches)		(In)		(In.H2O)	(CFM)	Watts
2.000	10.7	1024	19195	3.7	100.8	44
1.750	10.7	1026	19100	6.2	99.5	73
1.500	10.8	1034	18950	10.9	95.1	121
1.250	11.0	1049	18800	19.5	88.6	203
1.125	11.0	1051	18750	26.0	82.6	252
1.000	11.0	1050	18800	33.8	74.2	294
0.875	10.8	1036	19000	42.4	63.5	316
0.750	10.4	999	19440	51.5	51.2	310
0.625	9.8	944	20040	59.8	38.2	268
0.500	9.1	879	20940	67.9	26.0	207
0.375	8.3	808	22040	75.7	15.5	138
0.250	7.6	742	23280	84.3	7.6	75
0.000	7.0	684	24330	97.8	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	10.7	1025	19153	122	47.3	57
40.0	10.8	1032	18995	241	45.5	107
30.0	11.0	1050	18773	586	40.3	230
23.0	10.8	1040	18950	1022	31.2	311
19.0	10.4	998	19452	1312	24.0	309
16.0	9.8	946	20016	1510	18.3	270
13.0	9.2	886	20850	1704	12.8	213
10.0	8.4	819	21875	1893	8.1	148
6.5	7.6	745	23218	2130	3.8	78
0.0	7.0	684	24330	2483	0.0	0

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

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

Too voice imminum ecules vacadin.	Test Specs:	100 volts	Minimum Sealed Vacuum:	88.0"	ORIFICE:	7/8 "	Minimum Vacuum:	35.0"	Maximum Watts:	1110
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**PRODUCT BULLETIN** 119793-00

# DIMENSIONS NOTES: 1. SCREMS (TEM 5) TO BE TIGHTENED EVENLY SO AS NOT TO COCK BRACKET. TORQUE SCREMS [2.26-2.83 Nm]/20-25 LB IN. 2. PLACE SHARP EDGE OF MAGHER (TEM 12) AGMIST NUT (TEM 13). TORQUE NUT (TEM 13) [2.26-3.39 Nm]/20-30 LB IN. 3. FAN SHELL TO BE PRESSED FLUSH. SHELL MAY BOW OUTMARD TO DIMENSION SHOWN BUT MUST NOT BOW INMIRAD TOWNROS ROTATING FAN. 4. MOUNT BERRING IN COMMUTATOR END BRACKET WITH RETAINING COMPOUND OR EQUIVALENT (TEM 20). 5. SEE (TEM 21) FOR MOTOR IDENTIFICATION REQUIREMENTS. S. SLEEVING AND BRUSH TEMBRUL WUST BE POSITIONED SO THAT (3.18)/.125 MINIMUM CLEARANCE IS MAINTAINED BETWEEN ANY BRIE LEGO AND FIELD CORE. 7. MOUNTING MUST NOT RESTRICT THIS DIAMETER. [460.0±6.4] 18.11±.25 VACUUM [ø79.12±0.25] ø3.115±.010 [Ø146.84±0.25] Ø5.781±.010 BLACK [#144.22±0.38] VACUUM EXHAUST [#151.38±1.52] #5.960±.060 [51.31±0.25] 2.020±.010 [94.69±1.27] 3.728±.050 \_\_\_\_\_\_(4X) @[4.34]/.171 X [17.8]/.70 MIN. DEEP HOLES EQUALLY SPACED AS SHOWN ON A @[117.78]/4.625 BOLT CIRCLE [68.58±0.51] ♦ Ø[0.64]/.025₩ X

**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.

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Issued: December, 2004