

LAMB ELECTRIC

Model: 117157-00 117157-13*

DESCRIPTION

- Two stage
- 240 volts
- 7.2"/183mm diameter
- Single speed
- Double ball bearings
- Tangential bypass discharge

POW

- Thermoset fan end bracket
- Thermoset commutator bracket

DESIGN APPLICATION

1000

500

0

6.5 10.0 13.0

0.0

16.0 19.0 23.0

Orifice Diameter (mm)

D

Α

Т

Α

- Equipment operating in environments which require separation of working air from motor ventilating air.

- Designed to handle clean, dry, filtered air only.



SPECIAL FEATURES

- Suitable for 240 volt AC operation, 50/60 Hz

- UL recognized, category PRGY2 (E47185)

Provision for grounding10 mm shaft and bearing system

- The Lamb Electric vacuum motor

line offers a wide range of performance levels to meet design needs

*Model 117157-13 features patented air seal bearing construction, U.S. Patent #4,088,424 and epoxy painted fan case

TYI	PICA	AL M	οτο	OR I	PER	FO	RM/	ANC	E.*				(At 2	240	volt	s, 60H	z, te	e <u>st data is</u>	corrected	d to stand	lard condi	tions of 29	.92 Hg, 6	8° F.)
																400		Orifice	Amps	Watts	RPM	Vac	Flow	Air
		140 -								Maa						120		(Inches)		(In)		(In.H2O)	(CFM)	Watts
		120 -								• vac • Flow			~	-	-	100		2.000	6.0	1380	19591	4.0	104.9	50
A S T M D A T A												*				100		1.750	6.0	1380	19607	6.9	104.6	85
		100 -			٦.	\sim										80		1.500	6.0	1381	19605	12.1	100.2	142
	sH20	80 -														WHOWHOWHO		1.250	6.0	1384	19559	21.9	93.6	241
	nche	00													-			1.125	6.0	1383	19561	29.2	87.4	301
	- H	60 -	-															1.000	6.0	1377	19594	38.7	79.2	361
	Vacu	40					×									- 40 🛓	Air	0.875	6.0	1365	19682	50.8	69.3	414
		40 -				×												0.750	5.8	1330	19943	64.9	57.3	437
		20 -			×	[20		0.625	5.5	1264	20486	77.3	43.3	393
				×									I				. -	0.500	5.1	1181	21370	89.2	29.7	311
		0 -	ő	0	5	0	55	20	5	0	5	0	0	0		+ 0		0.375	4.7	1080	22400	100.3	17.7	209
			0.0	0.25	0.37	0.50	0.62	0.75	0.87	1.00	1.12	1.25	1.50	1.75	2.00			0.250	4.3	999	23503	109.9	8.5	110
								Orifice	Diamet	er (Inch	nes)							0.000	4.0	929	24628	122.0	0.0	0
		3500	Т													60		Orifice	Amps	Watts	RPM	Vac	Flow	Air
М		3000		◟						- Vac								(mm)		(In)		(mm H2O)	(L/Sec)	Watts
Е		5000								- Flow	v			•	-	50		48.0	6.0	1380	19598	135	49.5	65
Т		2500											\frown			40		40.0	6.0	1381	19606	268	47.9	125
R	120											/				- 40 ຜູ່		30.0	6.0	1383	19560	658	42.6	274
L	MMF	2000						۲			/					30		23.0	6.0	1368	19660	1213	33.9	401
С	- un	1500	-							K		-				Elow of		19.0	5.8	1329	19954	1655	26.9	436
	Vacu							ر 🗌								20 ₹		16.0	5.5	1267	20464	1951	20.7	395

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

21282

22246

23448

24628

2235

2505

2779

3099

14.7

9.2

4.2

0.0

319

224

115

0

1189

1095

1003

929

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

10

0

48.0

30.0 40.0 13.0

10.0

6.5

0.0

5.1

4.7

4.3

4.0

Test Specs: 240 volts Minimum Sealed Vacuum: 107.0" ORIFICE: 7/8 " Minimum Vacuum: 42.0" Maximum Watts: 1500

PRODUCT BULLETIN

DIMENSIONS NOTES: 1. LEADS: 16GA. STRANDED, ONE BLACK AND ONE WHITE. GROUND LEAD: 18GA. STRANDED; COLOR GREEN WITH YELLOW STRIPE. $(3X) \frac{\emptyset 8.712}{\emptyset .343}$ HOLES EQUALLY SPACED AS SHOWN ON A $\frac{\emptyset 234.95}{\emptyset 9.250}$ BOLT CIRCLE -151 $\frac{10.16}{.40}$ (3x) $(3X) \frac{R \ 130.18 \pm 0.64}{R \ 5.125 \pm .025}$ VENTILATING VENTILATING AIR INTAKE AIR EXHAUST ø182.17±0.64 ⊕ø0.64/.025 M ø7.172±.025 BOTATION ø135.13 ø5.32 MAX. ø182.07±0.64 ø7.168±.025 WADE IN N. Ø85.34±0.64 SNUT VACUUM NOIS AMEITE Ø3.360±.025 () \bigcirc 85.72±0.76 3.375±.030 1 <u>ø44.45</u> ø1.75 \bigcap [] 6 (\bigcirc) N VACUUM EXHAUST MANUFACTURER'S NAME, — MODEL NO., VOLTAGE AND FREQUENCY 39.37±1.27 1.550±.050 31.75 1.25 53.87±1.52 318.8±25 2.121±.060 12.55±1.00 134.87 MILLIMETER 64.16±1.52 5.31 13.49±3.18 .531±.125 $2.526 \pm .060$ INCH 195.66±2.03 \$\$0.800 \$2.000 7.703±.080 DATE OF MANUFACTURE AND INSPECTORS CODE WITH "F" SUFFIX

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 www.ametekfsm.com