



## Floorcare & Specialty Motors

# Product Bulletin

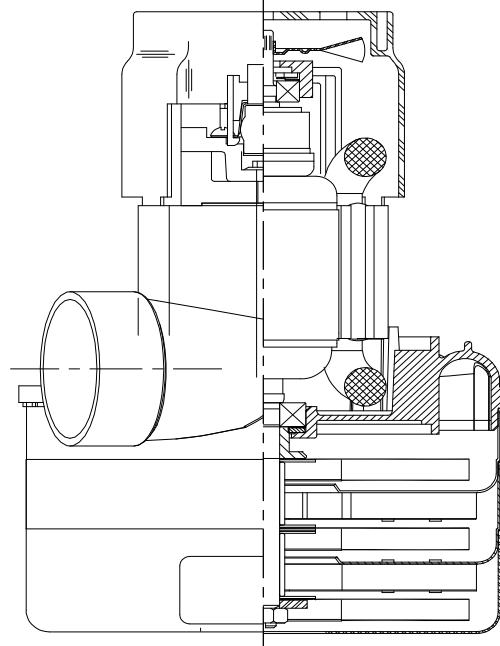
Model: 122511-40

### Planned Configuration

- Three stage
- 240 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential bypass discharge
- Aluminum fan end bracket

### DESIGN APPLICATION

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



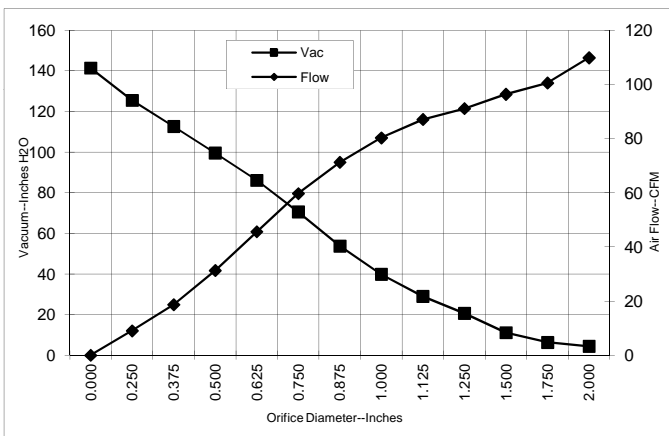
### Planned Features

- Suitable for 240 volt AC operation, 50/ 60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Open frame design
- 10mm shaft and bearing system
- Aluminum fan end bracket designed to dampen vibration and improve durability
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

### TYPICAL MOTOR PERFORMANCE.\*

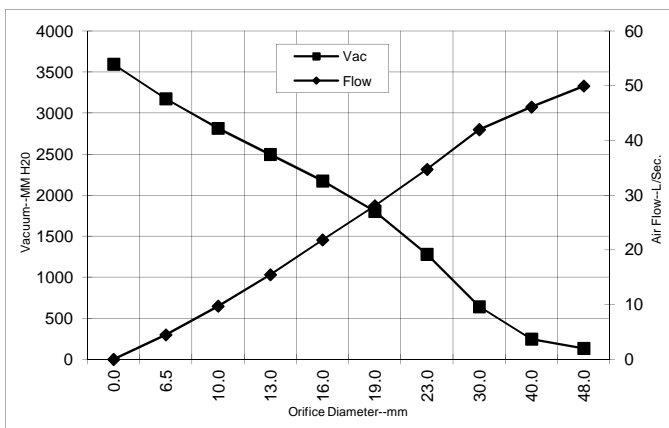
(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	6.5	1466.083	19797	4.4	109.9	57
1.750	6.4	1459.822	19797	6.4	100.6	75
1.500	6.4	1457.256	19797	11.2	96.4	126
1.250	6.4	1463.004	19747	20.7	91.1	221
1.125	6.5	1473.575	19698	29.0	87.1	297
1.000	6.5	1459.412	19797	39.9	80.3	376
0.875	6.4	1454.075	19821	53.8	71.3	450
0.750	6.3	1424.004	19993	70.6	59.7	495
0.625	6.0	1360.783	20509	86.2	45.7	462
0.500	5.5	1244.913	21319	99.6	31.3	366
0.375	4.9	1133.558	22253	112.7	18.7	247
0.250	4.5	1030.106	23309	125.6	9.0	133
0.000	4.1	944.307	24365	141.5	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	6.4	1463	19797	134	49.9	65
40.0	6.4	1458	19797	247	46.1	111
30.0	6.5	1469	19720	642	42.0	263
23.0	6.4	1455	19815	1279	34.7	432
19.0	6.3	1423	20003	1802	28.1	495
16.0	6.0	1363	20488	2173	21.8	463
13.0	5.5	1257	21238	2495	15.5	376
10.0	5.0	1150	22113	2813	9.7	265
6.5	4.5	1035	23256	3173	4.5	139
0.0	4.1	944	24365	3594	0.0	0

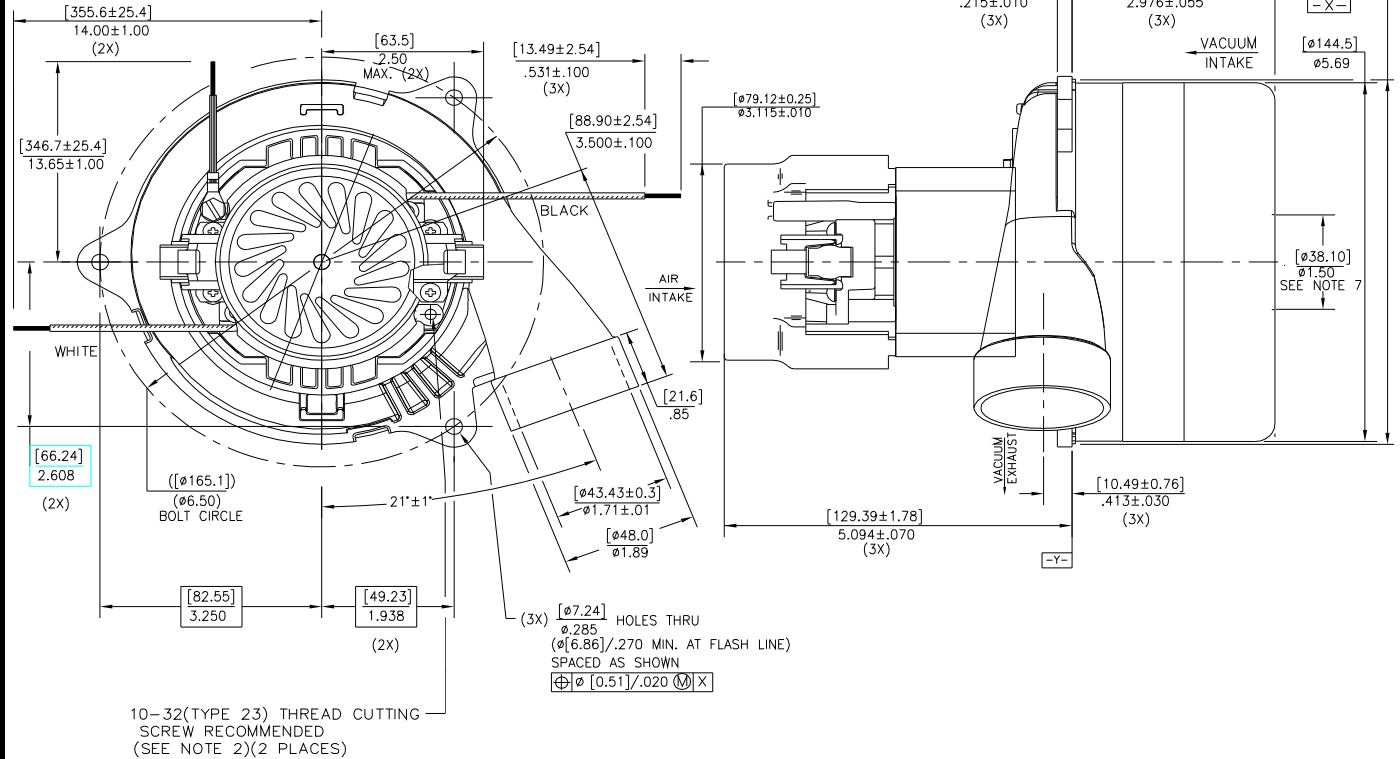
Note: Metric performance data is calculated from the ASTM data above.

Test Specs:	240V	Minimum Sealed Vacuum:	134"	ORIFICE:	7/8 "	Minimum Vacuum:	50.5"	Maximum Watts:	1532
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**DIMENSIONS**

**NOTES:**

1. POWER LEADS: 18GA STRANDED. LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE. GROUND LEAD: 18GA STRANDED, GREEN OR GREEN WITH YELLOW STRIPE.
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, INSPECTION CODE WITH "F" SUFFIX, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENT INFORMATION ONE OR MORE OF THE FOLLOWING PATENTS APPLY TO THIS MOTOR: 5482378; 5736805; 4669952; 4684835 . AND COUNTRY OF ORIGIN.
4. ALLOW [0.0016 SQ M]/2.5 SQ IN. FOR COOLING AIR INTAKE.
5. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
6. COOLING AIR EXHAUST MUST BE SEPARATED FROM VACUUM AIR EXHAUST.
7. MOUNTING MUST NOT RESTRICT THIS DIAMETER.



**WARNING** - When using AMETEK Floorcare & Specialty Motors (F&SM) 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. F&SM 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 F&SM 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**

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