



AMETEK

LAMB ELECTRIC

Product Bulletin

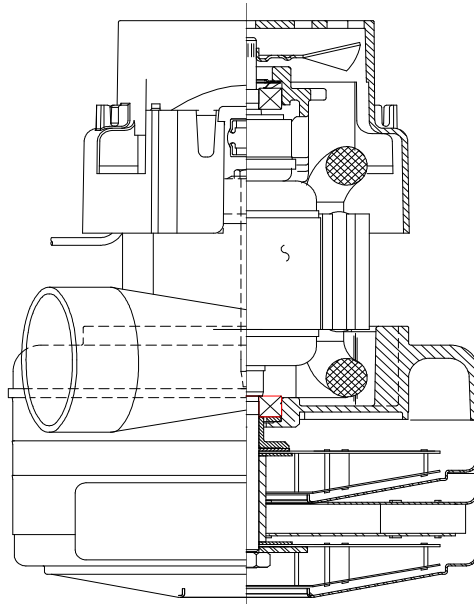
Model: 122059-25

DESCRIPTION

- Double stage
- 230 volts
- 5.7"/ 145 mm diameter
- Dual ball bearings
- Single speed
- Tangential bypass discharge
- Plastic fan end bracket
- Plastic 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



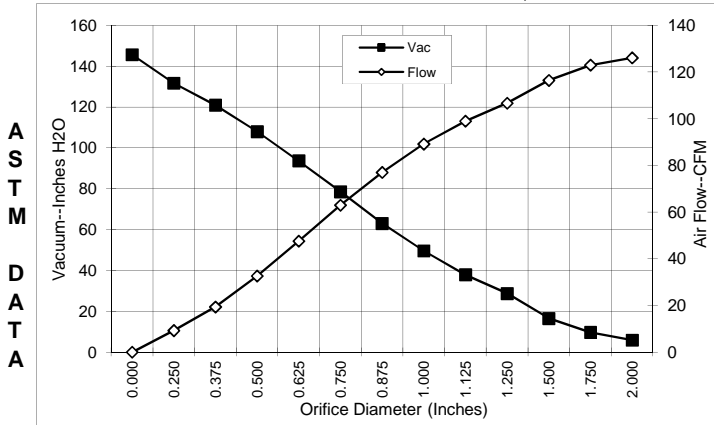
SPECIAL FEATURES

- Suitable for 230 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton frame design
- Dual Tapered fan system
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

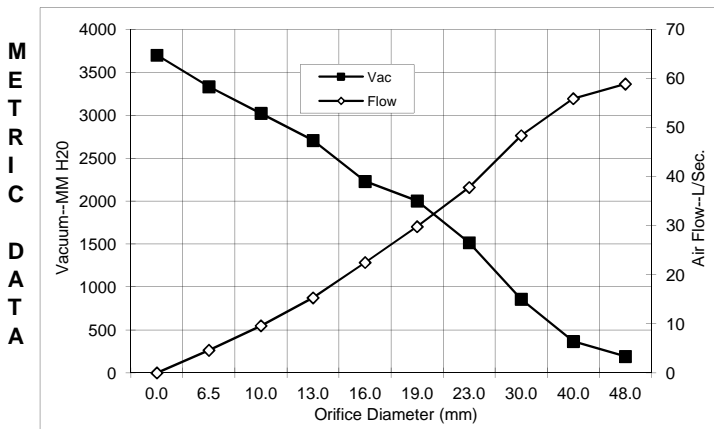


TYPICAL MOTOR PERFORMANCE.*

(At 230 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	8.1	1794	23340	5.9	126.1	88
1.750	8.2	1818	23350	9.7	123.0	140
1.500	8.2	1817	23310	16.5	116.5	226
1.250	8.2	1813	23290	28.7	106.7	360
1.125	8.2	1818	23300	37.9	99.0	442
1.000	8.1	1793	23490	49.6	89.2	520
0.875	7.8	1745	23770	63.0	77.0	571
0.750	7.6	1683	24100	78.6	63.0	582
0.625	7.1	1584	24890	93.7	47.6	525
0.500	6.6	1462	26050	108.0	32.6	415
0.375	5.9	1315	27400	120.9	19.4	276
0.250	5.3	1187	29020	131.7	9.3	144
0.000	4.8	1089	30490	145.7	0.0	0



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	8.1	1805	23344	192	58.9	111
40.0	8.2	1817	23322	367	55.9	200
30.0	8.2	1816	23296	858	48.4	405
23.0	7.9	1757	23700	1516	37.8	515
19.0	7.6	1681	24116	2003	29.8	528
16.0	7.1	1588	24858	2230	22.5	470
13.0	6.6	1474	25934	2707	15.3	426
10.0	6.0	1337	27198	3023	9.6	296
6.5	5.3	1193	28939	3332	4.6	150
0.0	4.8	1089	30490	3700	0.0	0

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

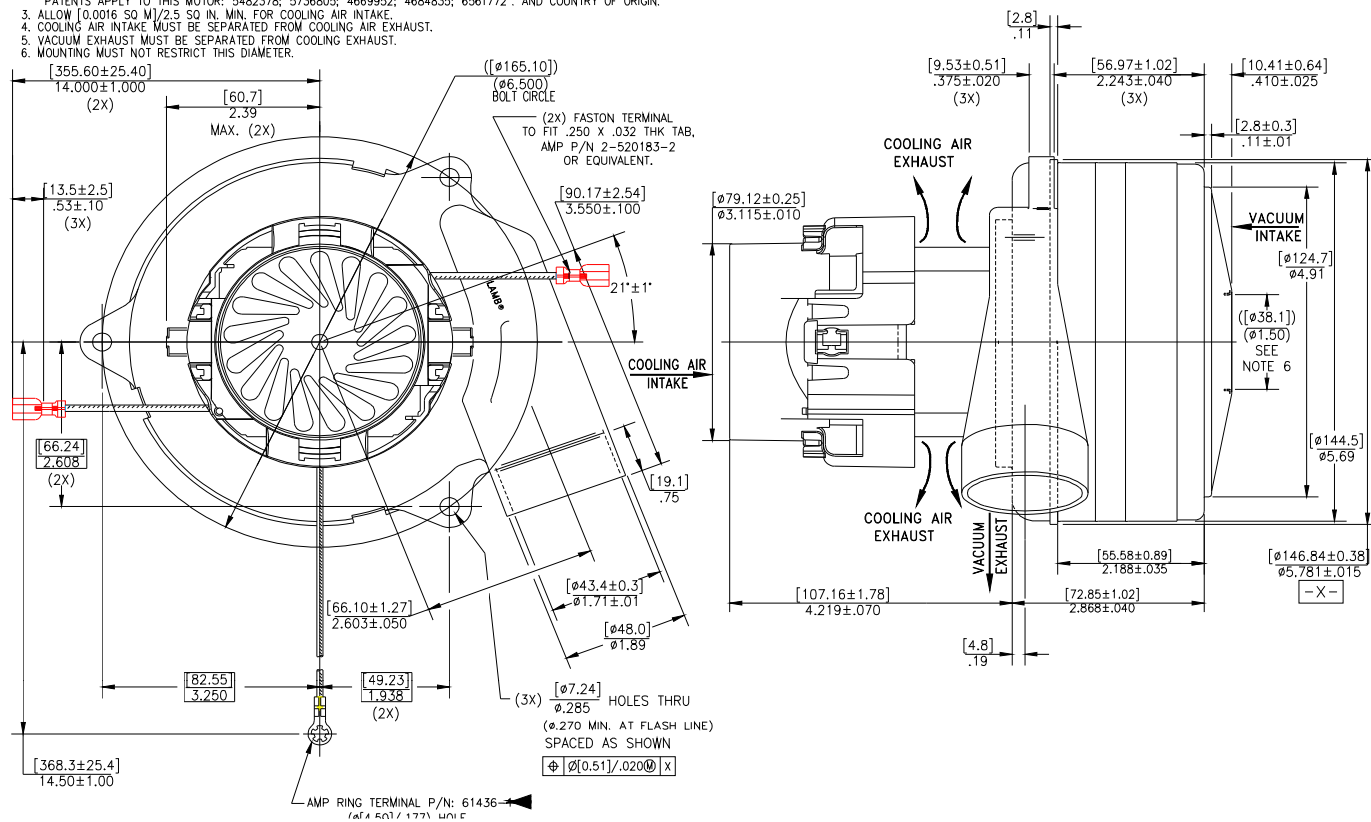
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary to normal manufacturing variations.

Test Specs:	230 volt	Minimum Sealed Vacuum: 76	130.0	ORIFICE: 7/8"	Minimum Vacuum:	57.0	Maximum Watts:	1880
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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. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTORS CODE WITH "FF" 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; 6561772". AND COUNTRY OF ORIGIN.
3. ALLOW 10.0016 SO M/12.5 SO IN. MIN. FOR COOLING AIR INTAKE.
4. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
5. VACUUM EXHAUST MUST BE SEPARATED FROM COOLING EXHAUST.
6. 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 - 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/Floorcare & Specialty Motors
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