

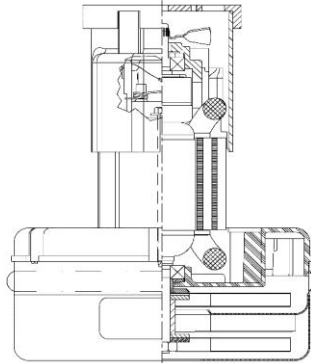
Model: 133807-00

DESCRIPTION

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

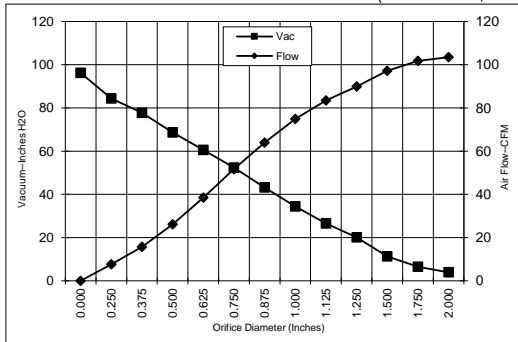


SPECIAL FEATURES

- Suitable for 220 volt AC operation, 50/60 Hz
- Open frame design
- The GS Electric vacuum motor line offers a range of performance levels to meet design needs

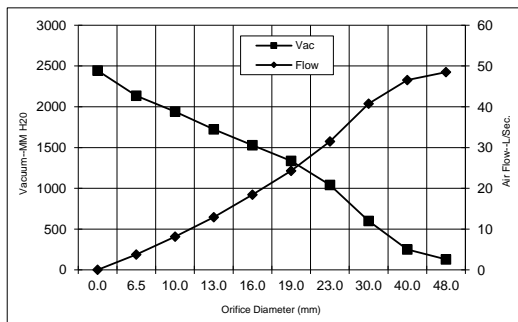
TYPICAL MOTOR PERFORMANCE.* (At 220 volts, 50Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H2O)	Flow (CFM)	Air Watts
2.000	4.9	1022	19560	3.9	103.5	48
1.750	4.9	1024	19460	6.5	101.8	78
1.500	4.9	1035	19460	11.4	97.2	130
1.250	4.9	1036	19360	20.1	89.9	212
1.125	5.0	1043	19360	26.5	83.5	260
1.000	4.9	1038	19360	34.4	74.9	303
0.875	4.9	1025	19360	43.2	64.0	324
0.750	4.7	994	19760	52.4	51.7	318
0.625	4.5	945	20260	60.6	38.5	274
0.500	4.2	884	21060	68.7	26.1	210
0.375	3.8	814	22050	77.7	15.7	143
0.250	3.6	758	22850	84.4	7.6	75
0.000	3.3	705	23850	96.2	0.0	0

METRIC DATA



Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H2O)	Flow (L/Sec)	Air Watts
48.0	4.9	1023	19516	129	48.5	61
40.0	4.9	1032	19460	252	46.5	114
30.0	4.9	1040	19360	600	40.8	238
23.0	4.9	1028	19360	1041	31.5	319
19.0	4.7	993	19770	1336	24.3	317
16.0	4.5	947	20240	1530	18.4	276
13.0	4.2	890	20980	1724	12.9	216
10.0	3.9	825	21902	1940	8.1	153
6.5	3.6	761	22810	2134	3.8	78
0.0	3.3	705	23850	2443	0.0	0

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

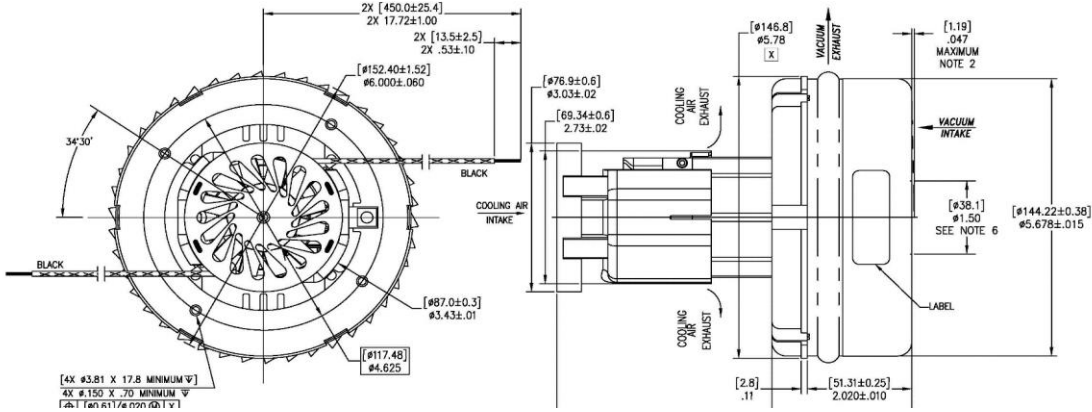
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	220 volts	Minimum Sealed Vacuum: 85"	ORIFICE:	7/8"	Minimum Vacuum: 37"	Maximum Watts:	1199
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DIMENSIONS

NOTES:

1. RECOMMENDED SCREW SIZE 10-16 TYPE BT OR TYPE 25 THREAD CUTTING SCREW. MAXIMUM PENETRATION [17.40]/.685.
2. FAN SHELL MAY BOW OUTWARD TO DIMENSION SHOWN BUT MUST NOT BOW INWARD TOWARDS ROTATING FAN.
3. ALLOW [0.0016 TO .0025] SQ IN FOR COOLING AIR INTAKE.
4. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
5. VACUUM EXHAUST MUST BE SEPARATED FROM COOLING AIR EXHAUST.
6. MOUNTING MUST NOT RESTRICT THIS DIMETER.
7. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE AND PATENT INFORMATION.



IMPORTANT NOTE: Pictorial and dimensional data are subject to change without notice. Contact factory for current revision levels.

WARNING - When using AMETEK 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. 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.

