

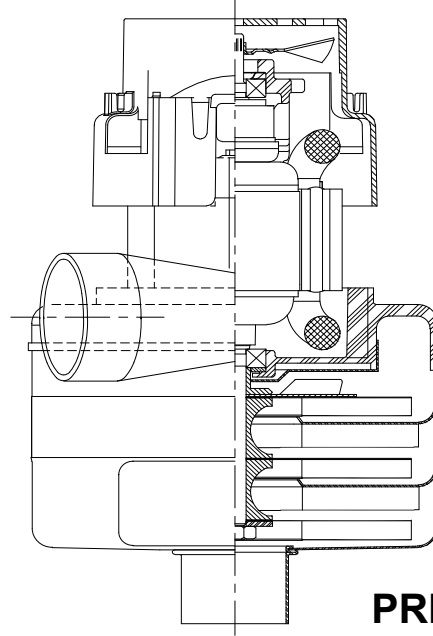


DESCRIPTION

- Three stage
- 24 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential bypass discharge
- Thermoset plastic fan end bracket
- Thermoset 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 24 volt DC operation
- UL Recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton-frame design
- Epoxy painted fan case
- Patented air seal bearing construction. U.S. Patent #4,088,424
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs
- 1.5" Diameter inlet tube

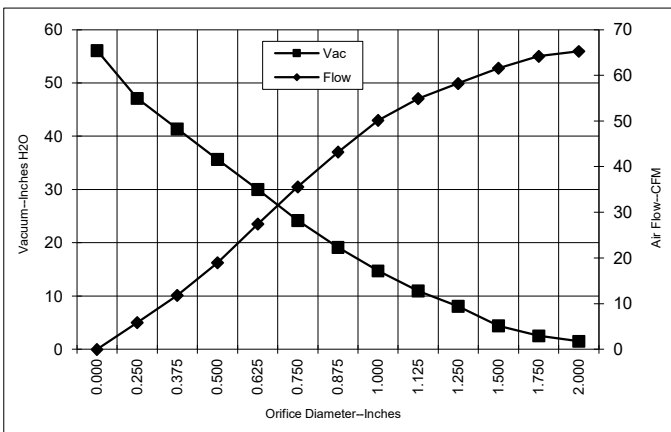
PRELIMINARY BULLETIN

TYPICAL MOTOR PERFORMANCE.*

(At 24 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

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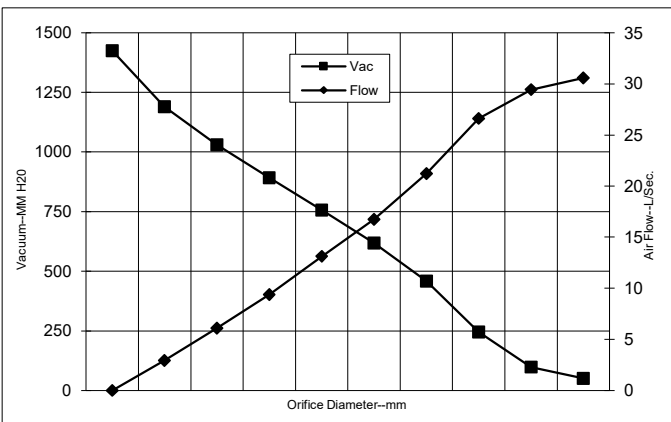
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Orifice (Inches)	Amps	Watts (In)	RPM	Vac (In.H ₂ O)	Flow (CFM)	Air Watts
2.000	15.9	384	11171	1.5	65.3	11.7
1.750	16.0	385	11131	2.5	64.2	19.0
1.500	16.0	386	11093	4.4	61.6	31.9
1.250	16.0	386	11012	8.1	58.3	55.2
1.125	16.1	389	10976	10.9	54.9	70.5
1.000	16.2	390	10951	14.7	50.2	86.8
0.875	16.2	390	11024	19.2	43.2	97.1
0.750	15.9	383	11209	24.2	35.6	101.2
0.625	15.4	371	11565	30.0	27.5	96.7
0.500	14.7	355	12080	35.7	19.0	79.6
0.375	14.0	338	12695	41.4	11.8	57.4
0.250	13.3	322	13381	47.1	5.9	32.7
0.000	12.5	304	14098	56.1	0.0	0.0

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Orifice (mm)	Amps	Watts (In)	RPM	Vac (mm H ₂ O)	Flow (L/Sec)	Air Watts
48.0	15.9	384	11153	50	30.6	14.9
40.0	16.0	386	11104	98	29.4	28.1
30.0	16.1	388	10993	245	26.6	63.6
23.0	16.2	390	11006	458	21.2	94.5
19.0	15.9	383	11216	618	16.7	101.1
16.0	15.4	372	11551	756	13.1	96.9
13.0	14.8	357	12028	892	9.4	81.3
10.0	14.1	341	12602	1030	6.1	60.7
6.5	13.3	322	13347	1190	2.9	33.9
0.0	12.5	304	14098	1425	0.0	0.0

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

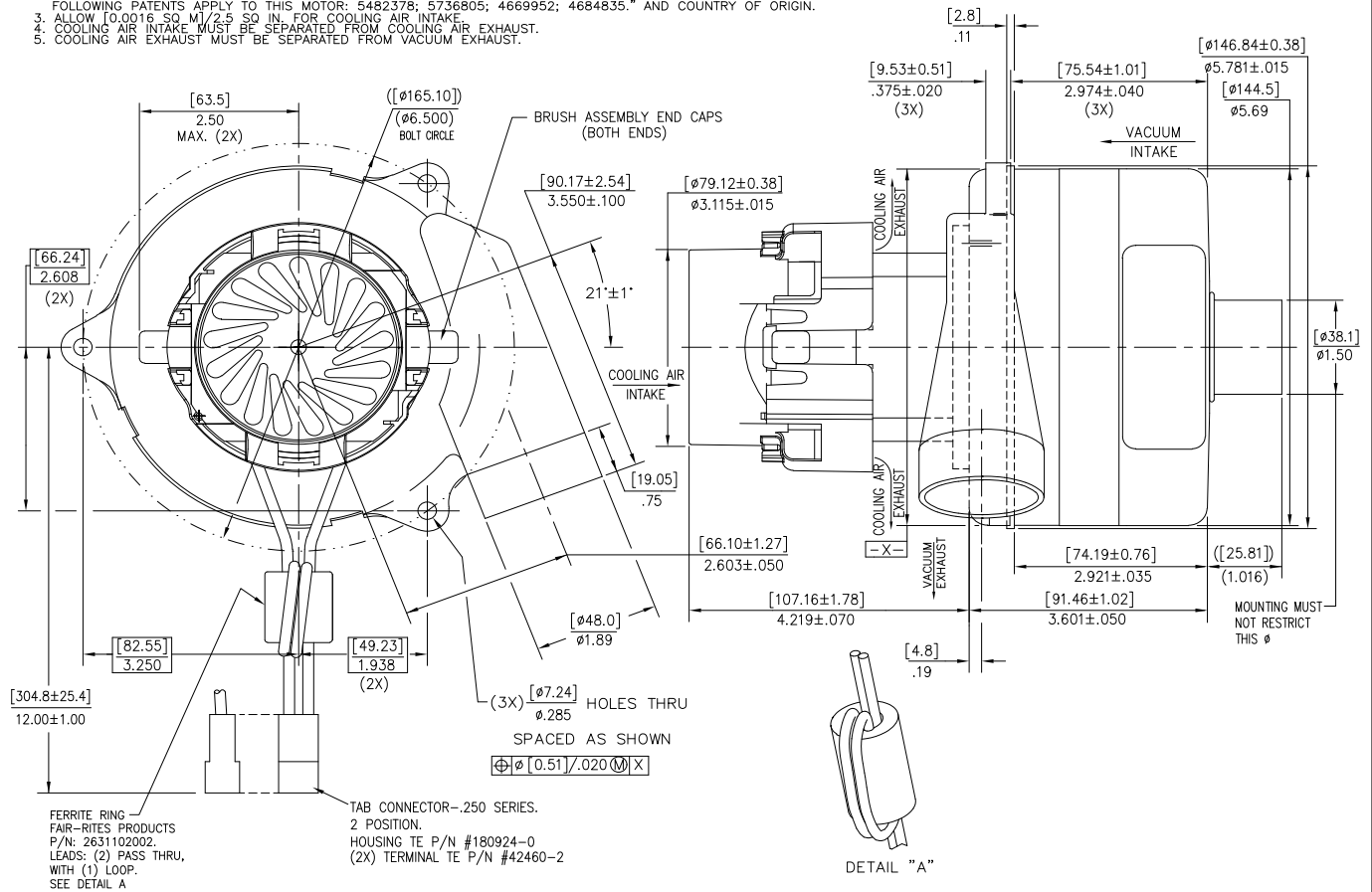
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

Test Specs:	24 volts	Minimum Sealed Vacuum:	52.2"	ORIFICE:	7/8 "	Minimum Vacuum:	18.0	Maximum Watts:	446
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DIMENSIONS

NOTES:

1. LEADS: 14 GA STRANDED, LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE.
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTOR'S CODE, 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.
3. ALLOW 0.0016 SQ MI/2.5 SQ IN. FOR COOLING AIR INTAKE.
4. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
5. COOLING AIR EXHAUST MUST BE SEPARATED FROM VACUUM EXHAUST.



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 Dynamic Fluid Solutions
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