

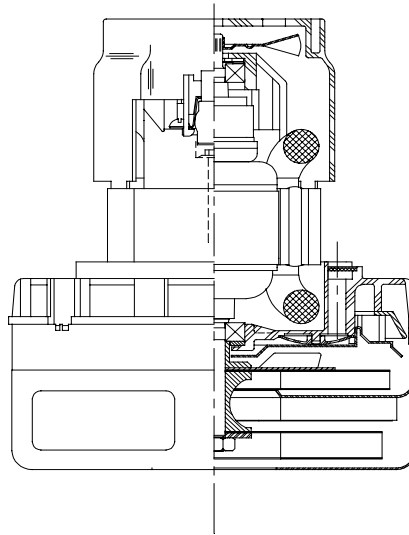


DESCRIPTION

- Two stage
- 240 volts
- 5.7"/145 mm diameter
- Double bearings
- Single speed
- ACUSTEK® low-noise peripheral bypass discharge
- Thermoset fan end bracket
- Thermoset commutator bracket
- Double insulation

DESIGN APPLICATION

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



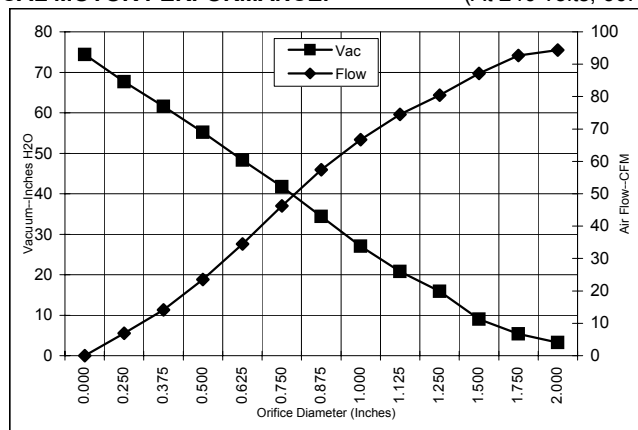
SPECIAL FEATURES

- Suitable for 240 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- Skeleton-frame design
- Epoxy painted fan case
- Patented air seal bearing protection. U.S. Patent #4,088,424
- ACUSTEK® low-noise design, U.S. Patent #1,417,200
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

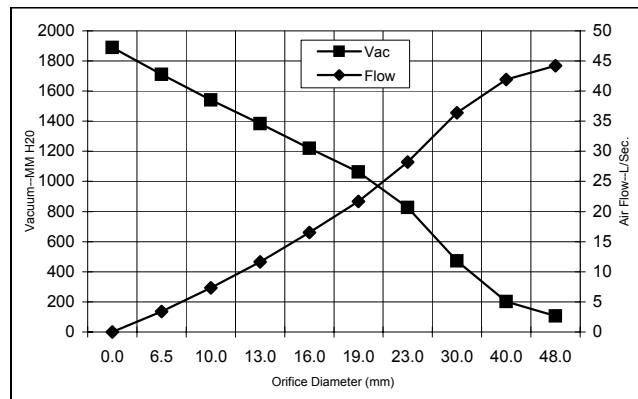
(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



| Orifice (Inches) | Amps | Watts (In) | RPM | Vac (In.H ₂ O) | Flow (CFM) | Air Watts |
|------------------|------|------------|-------|---------------------------|------------|-----------|
| 2.000 | 3.6 | 806 | 17377 | 3.3 | 94.4 | 36 |
| 1.750 | 3.6 | 808 | 17361 | 5.4 | 92.7 | 59 |
| 1.500 | 3.6 | 810 | 17344 | 9.0 | 87.2 | 93 |
| 1.250 | 3.6 | 812 | 17325 | 15.9 | 80.4 | 150 |
| 1.125 | 3.6 | 811 | 17336 | 20.8 | 74.5 | 183 |
| 1.000 | 3.6 | 808 | 17372 | 27.0 | 66.7 | 212 |
| 0.875 | 3.5 | 799 | 17475 | 34.4 | 57.4 | 232 |
| 0.750 | 3.4 | 776 | 17785 | 41.7 | 46.2 | 226 |
| 0.625 | 3.3 | 739 | 18289 | 48.3 | 34.5 | 196 |
| 0.500 | 3.0 | 690 | 19039 | 55.2 | 23.5 | 152 |
| 0.375 | 2.8 | 640 | 19889 | 61.6 | 14.1 | 102 |
| 0.250 | 2.6 | 592 | 20797 | 67.7 | 6.9 | 55 |
| 0.000 | 2.4 | 554 | 21550 | 74.4 | 0.0 | 0 |

METRIC DATA



| Orifice (mm) | Amps | Watts (In) | RPM | Vac (mm H ₂ O) | Flow (L/Sec) | Air Watts |
|--------------|------|------------|-------|---------------------------|--------------|-----------|
| 48.0 | 3.6 | 807 | 17370 | 106 | 44.2 | 46 |
| 40.0 | 3.6 | 809 | 17349 | 201 | 41.9 | 83 |
| 30.0 | 3.6 | 811 | 17331 | 472 | 36.4 | 168 |
| 23.0 | 3.6 | 801 | 17449 | 827 | 28.2 | 227 |
| 19.0 | 3.4 | 775 | 17795 | 1063 | 21.7 | 225 |
| 16.0 | 3.3 | 740 | 18269 | 1220 | 16.5 | 197 |
| 13.0 | 3.0 | 695 | 18964 | 1385 | 11.6 | 156 |
| 10.0 | 2.8 | 648 | 19762 | 1540 | 7.3 | 110 |
| 6.5 | 2.6 | 594 | 20752 | 1712 | 3.4 | 57 |
| 0.0 | 2.4 | 554 | 21550 | 1890 | 0.0 | 0 |

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

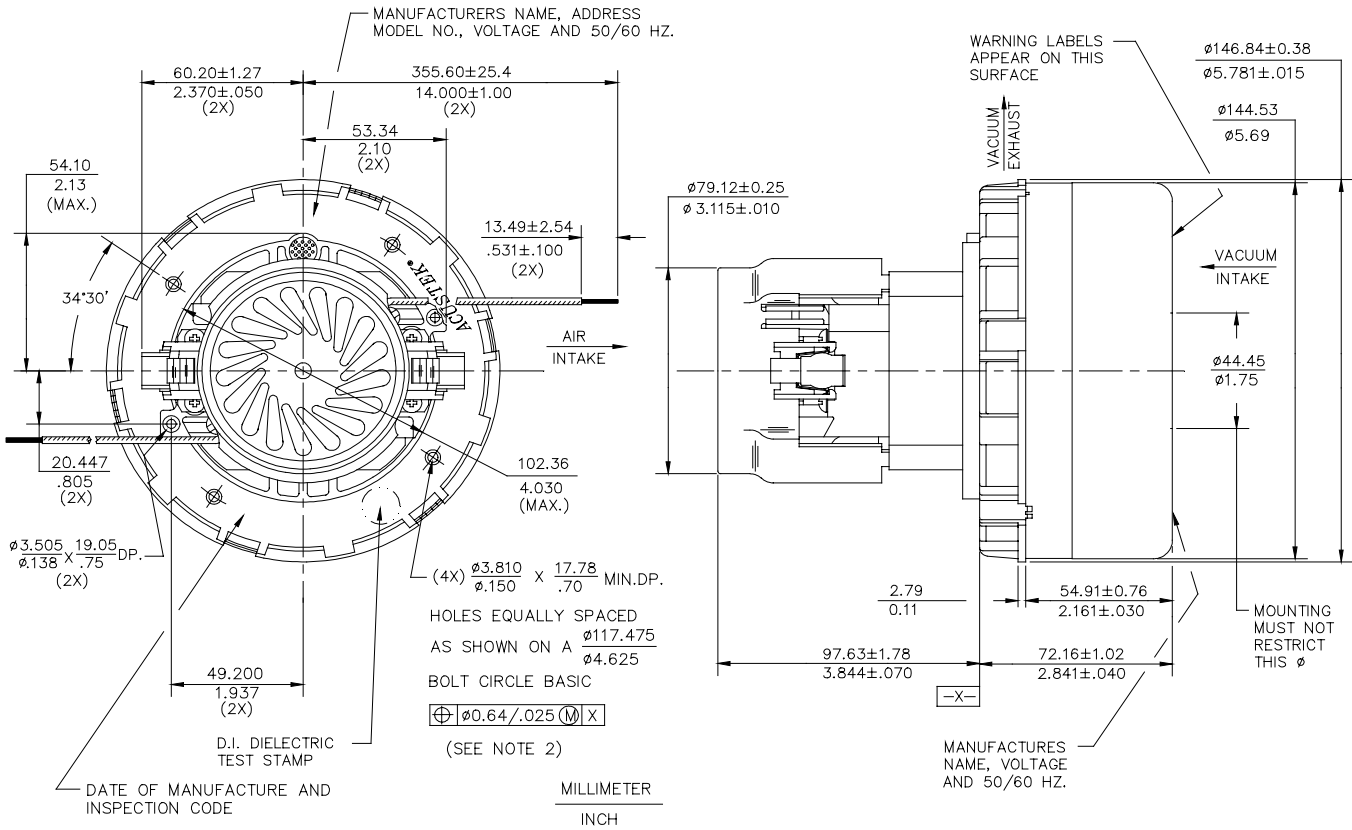
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

| | | | | | | | | | |
|--------------------|------------------|-------------------------------|--------------|-----------------|--------------|------------------------|--------------|-----------------------|------------|
| Test Specs: | 240 volts | Minimum Sealed Vacuum: | 69.0" | ORIFICE: | 13 mm | Minimum Vacuum: | 50.0" | Maximum Watts: | 800 |
|--------------------|------------------|-------------------------------|--------------|-----------------|--------------|------------------------|--------------|-----------------------|------------|

DIMENSIONS

NOTES:

1. LEADS: 18GA STRANDED, LEADS CAN BE ANY COLOR EXCEPT GREEN OR GREEN WITH YELLOW STRIPE.
2. RECOMMENDED SCREW SIZE 10-16 TYPE BT OR 25 THREAD CUTTING SCREW. MAXIMUM PENETRATION 17.40/.685.



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/Lamb Electric Division
627 Lake Street
Kent, Ohio 44240
U.S.A.
Tel: (330) 673-3451
Fax: (330) 673-8994

Ametek GmbH
P. O. Box 1251
D-71667 Marbach
Germany
Phone: + 49-714-484-9512
Fax: + 49-714-484-9513

AMETEK/Singapore Private Limited
10 Ang Mo Kio Street 65
05-12 Techpoint
Singapore 2056
Tel: + 65-484-2388
Fax: + 65-481-6588