

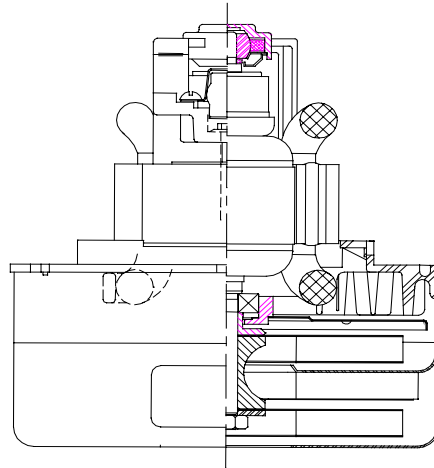


DESCRIPTION

- Two stage
- 120 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Thru-flow discharge
- Thermoset fan end bracket
- Aluminum commutator bracket

DESIGN APPLICATION

- Equipment operating in environments not requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

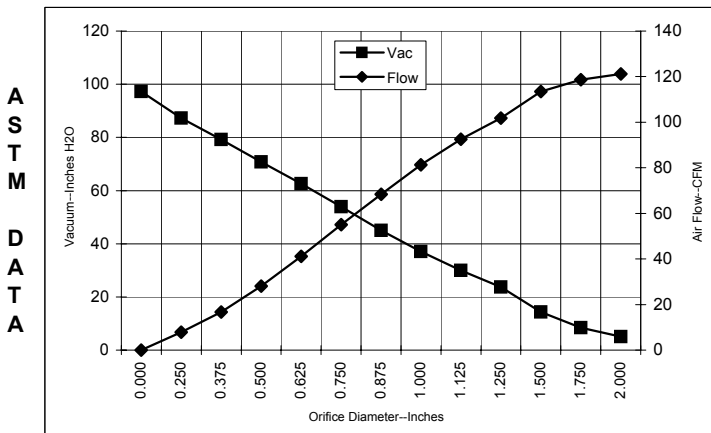


SPECIAL FEATURES

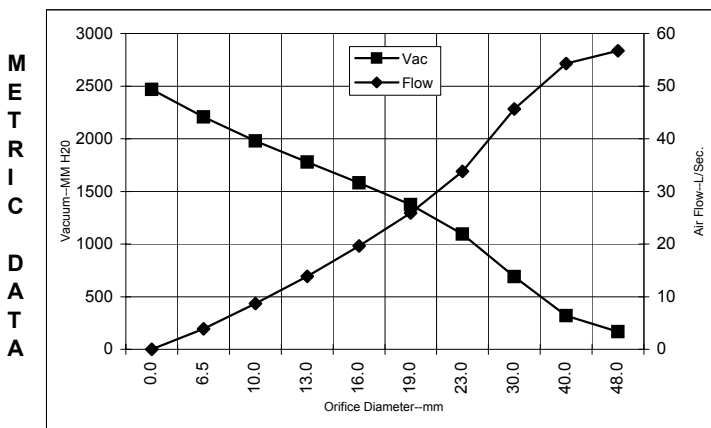
- Suitable for 120 volt AC operation, 60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA certified, class 1611 01 (LR31393)
- Provision for grounding
- Skeleton-frame construction
- Thermal protection, automatic reset, UL category XEWR2 (E27701)
- High air flow fan system
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

(At 120 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 | 9.4 | 1069 | 18830 | 5.1 | 121.2 | 73 |
| 1.750 | 9.5 | 1083 | 18710 | 8.4 | 118.7 | 117 |
| 1.500 | 9.6 | 1093 | 18690 | 14.3 | 113.4 | 190 |
| 1.250 | 9.6 | 1093 | 18610 | 23.7 | 101.8 | 284 |
| 1.125 | 9.5 | 1077 | 18700 | 30.0 | 92.6 | 326 |
| 1.000 | 9.2 | 1052 | 18790 | 37.1 | 81.3 | 354 |
| 0.875 | 9.0 | 1016 | 19410 | 45.0 | 68.4 | 362 |
| 0.750 | 8.4 | 965 | 19990 | 53.9 | 55.1 | 349 |
| 0.625 | 7.8 | 902 | 20810 | 62.6 | 41.1 | 303 |
| 0.500 | 7.2 | 827 | 21810 | 70.8 | 28.1 | 233 |
| 0.375 | 6.5 | 748 | 23000 | 79.2 | 16.7 | 156 |
| 0.250 | 5.8 | 672 | 24290 | 87.3 | 7.8 | 80 |
| 0.000 | 5.4 | 627 | 25350 | 97.2 | 0.0 | 0 |



| Orifice (mm) | Amps | Watts (In) | RPM | Vac (mm H ₂ O) | Flow (L/Sec) | Air Watts |
|--------------|------|------------|-------|---------------------------|--------------|-----------|
| 48.0 | 9.4 | 1075 | 18777 | 166 | 56.7 | 92 |
| 40.0 | 9.6 | 1090 | 18696 | 318 | 54.3 | 168 |
| 30.0 | 9.5 | 1084 | 18660 | 690 | 45.7 | 307 |
| 23.0 | 9.1 | 1025 | 19255 | 1093 | 33.8 | 360 |
| 19.0 | 8.4 | 964 | 20006 | 1373 | 25.9 | 348 |
| 16.0 | 7.8 | 905 | 20777 | 1581 | 19.7 | 305 |
| 13.0 | 7.3 | 835 | 21710 | 1777 | 13.9 | 240 |
| 10.0 | 6.6 | 760 | 22822 | 1980 | 8.7 | 168 |
| 6.5 | 5.8 | 676 | 24226 | 2207 | 3.9 | 84 |
| 0.0 | 5.4 | 627 | 25350 | 2469 | 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: 120 volts | Minimum Sealed Vacuum: 88.0" | ORIFICE: 7/8 " | Minimum Vacuum: 41.0" | Maximum Watts: 1170 |
|------------------------------|-------------------------------------|-----------------------|------------------------------|----------------------------|

