



AMETEK LAMB ELECTRIC

Product Bulletin

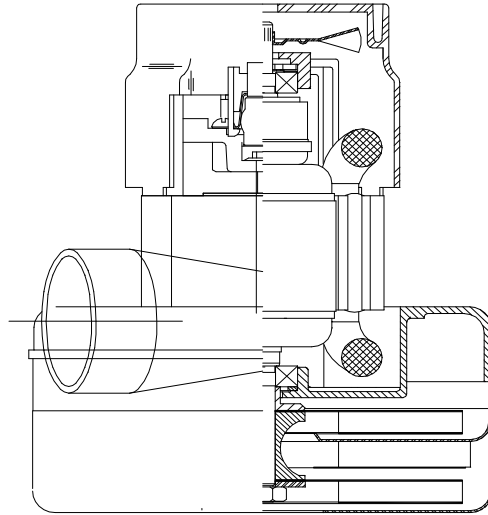
Model: 119625-00

DESCRIPTION

- Two stage
- 240 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- Tangential bypass discharge
- Aluminum fan end bracket
- Aluminum 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.



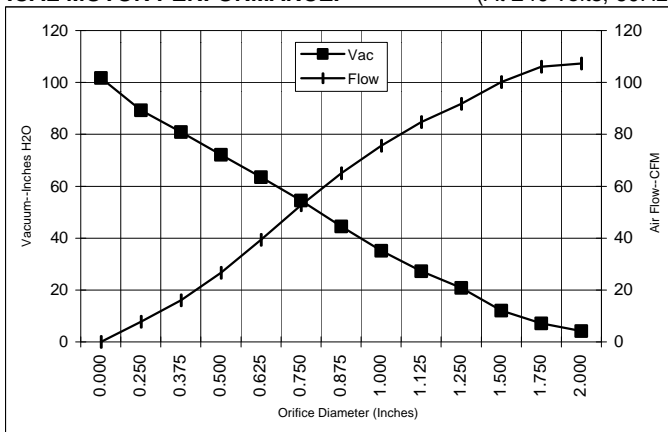
SPECIAL FEATURES

- Suitable for 240 volt AC operation, 50/60 Hz.
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton frame design
- Epoxy painted fan case
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

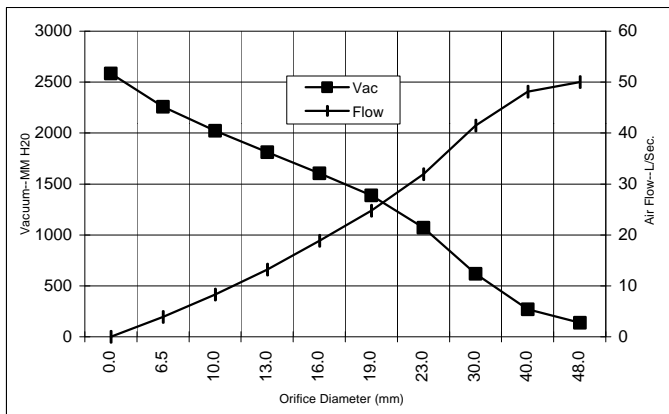
(At 240 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



| Orifice (Inches) | Amps | Watts (In) | RPM | Vac (In.H ₂ O) | Flow (CFM) | Air Watts |
|------------------|------|------------|-------|---------------------------|------------|-----------|
| 2.000 | 5.2 | 1191 | 19513 | 4.2 | 107.3 | 53 |
| 1.750 | 5.2 | 1198 | 19444 | 7.1 | 106.1 | 89 |
| 1.500 | 5.2 | 1206 | 19371 | 12.1 | 100.2 | 142 |
| 1.250 | 5.3 | 1214 | 19289 | 20.9 | 91.8 | 226 |
| 1.125 | 5.3 | 1211 | 19310 | 27.3 | 84.7 | 272 |
| 1.000 | 5.2 | 1198 | 19409 | 35.1 | 75.6 | 312 |
| 0.875 | 5.1 | 1178 | 19588 | 44.5 | 65.0 | 340 |
| 0.750 | 4.9 | 1134 | 20019 | 54.5 | 52.7 | 337 |
| 0.625 | 4.7 | 1078 | 20716 | 63.5 | 39.4 | 294 |
| 0.500 | 4.3 | 1006 | 21654 | 72.2 | 26.7 | 226 |
| 0.375 | 4.0 | 325 | 22695 | 80.9 | 16.0 | 152 |
| 0.250 | 3.7 | 833 | 23770 | 89.3 | 7.8 | 82 |
| 0.000 | 3.4 | 798 | 24780 | 101.8 | 0.0 | 0 |

METRIC DATA



| Orifice (mm) | Amps | Watts (In) | RPM | Vac (mm H ₂ O) | Flow (L/Sec) | Air Watts |
|--------------|------|------------|-------|---------------------------|--------------|-----------|
| 48.0 | 5.2 | 1194 | 19483 | 140 | 50.4 | 69 |
| 40.0 | 5.2 | 1204 | 19393 | 269 | 48.1 | 126 |
| 30.0 | 5.3 | 1212 | 19301 | 620 | 41.5 | 251 |
| 23.0 | 5.1 | 1183 | 19543 | 1071 | 31.9 | 333 |
| 19.0 | 4.9 | 1133 | 20033 | 1389 | 24.7 | 336 |
| 16.0 | 4.7 | 1080 | 20688 | 1604 | 18.8 | 296 |
| 13.0 | 4.4 | 1013 | 21560 | 1812 | 13.2 | 233 |
| 10.0 | 4.0 | 427 | 22539 | 2022 | 8.3 | 163 |
| 6.5 | 3.7 | 808 | 23716 | 2258 | 3.9 | 86 |
| 0.0 | 3.4 | 798 | 24780 | 2586 | 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: | 94.0" | ORIFICE: | 13mm | Minimum Vacuum: | 66.0" | Maximum Watts: | 1100 |
|-------------|-----------|------------------------|-------|----------|------|-----------------|-------|----------------|------|

