

LAMB ELECTRIC

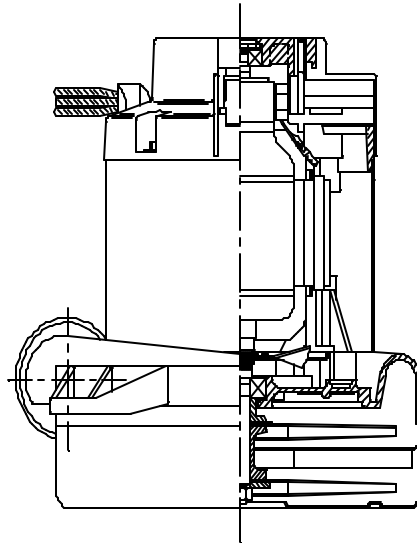
Model: 117549-12

DESCRIPTION

- Two stage
- 120 volts
- 7.2"/183 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



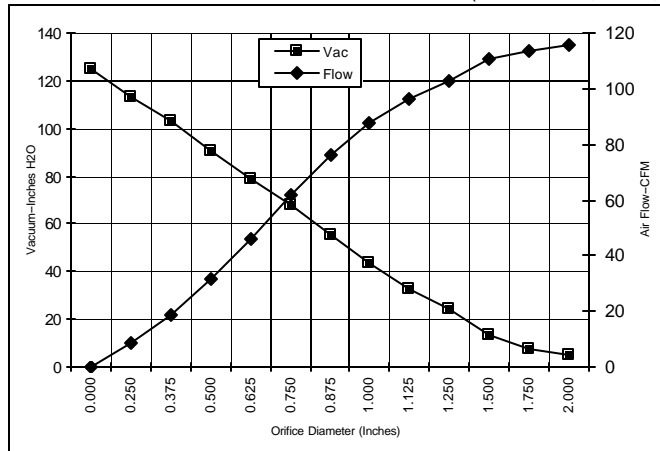
SPECIAL FEATURES

- Suitable for 120 volt AC operation, 50/60 Hz
- UL recognized, category PRGY2 (E47185)
- CSA certified, class 1611 01 (LR31393)
- Provision for grounding
- Epoxy painted fan case
- Non-loading fans
- Aluminum fan end bracket designed to dampen vibration and improve durability
- 10 mm shaft and bearing system
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

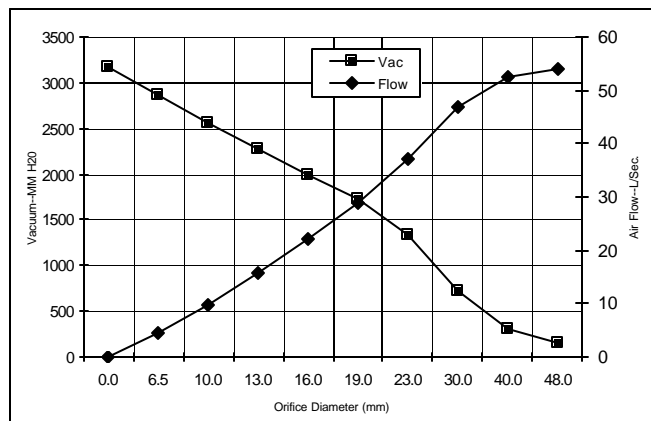
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



| Orifice (Inches) | Amps | Watts (In) | RPM | Vac (In.H ₂ O) | Flow (CFM) | Air Watts |
|------------------|------|------------|-------|---------------------------|------------|-----------|
| 2.000 | 13.5 | 1508 | 16690 | 4.7 | 115.8 | 64 |
| 1.750 | 13.5 | 1507 | 16680 | 7.7 | 113.4 | 103 |
| 1.500 | 13.5 | 1508 | 16680 | 13.5 | 110.4 | 175 |
| 1.250 | 13.5 | 1505 | 16710 | 24.3 | 102.8 | 293 |
| 1.125 | 13.4 | 1500 | 16750 | 32.5 | 96.3 | 367 |
| 1.000 | 13.3 | 1483 | 16840 | 43.3 | 87.8 | 446 |
| 0.875 | 13.0 | 1453 | 17030 | 55.4 | 76.1 | 495 |
| 0.750 | 12.4 | 1398 | 17410 | 67.6 | 61.7 | 490 |
| 0.625 | 11.7 | 1313 | 18000 | 78.8 | 46.3 | 428 |
| 0.500 | 10.7 | 1210 | 18800 | 90.5 | 31.8 | 338 |
| 0.375 | 9.7 | 1098 | 19800 | 102.8 | 19.0 | 229 |
| 0.250 | 8.8 | 1016 | 20840 | 113.0 | 8.8 | 118 |
| 0.000 | 8.9 | 939 | 21880 | 124.6 | 0.0 | 0 |

METRIC DATA



| Orifice (mm) | Amps | Watts (In) | RPM | Vac (mm H ₂ O) | Flow (L/Sec) | Air Watts |
|--------------|------|------------|-------|---------------------------|--------------|-----------|
| 48.0 | 13.5 | 1508 | 16686 | 153 | 54.2 | 81 |
| 40.0 | 13.5 | 1508 | 16680 | 299 | 52.5 | 153 |
| 30.0 | 13.4 | 1502 | 16732 | 732 | 46.8 | 334 |
| 23.0 | 13.1 | 1461 | 16983 | 1330 | 37.3 | 483 |
| 19.0 | 12.4 | 1396 | 17422 | 1723 | 29.0 | 489 |
| 16.0 | 11.7 | 1316 | 17976 | 1990 | 22.1 | 430 |
| 13.0 | 10.8 | 1220 | 18720 | 2269 | 15.7 | 347 |
| 10.0 | 9.9 | 1115 | 19650 | 2564 | 9.9 | 245 |
| 6.5 | 8.8 | 1020 | 20788 | 2857 | 4.4 | 124 |
| 0.0 | 8.9 | 939 | 21880 | 3165 | 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 tolerances.

| | | | | | | | | | |
|-------------|-----------|------------------------|--------|----------|------|-----------------|-------|----------------|------|
| Test Specs: | 120 volts | Minimum Sealed Vacuum: | 120.0" | ORIFICE: | 7/8" | Minimum Vacuum: | 52.5" | Maximum Watts: | 1600 |
|-------------|-----------|------------------------|--------|----------|------|-----------------|-------|----------------|------|