



AMETEK

LAMB ELECTRIC

Product Bulletin

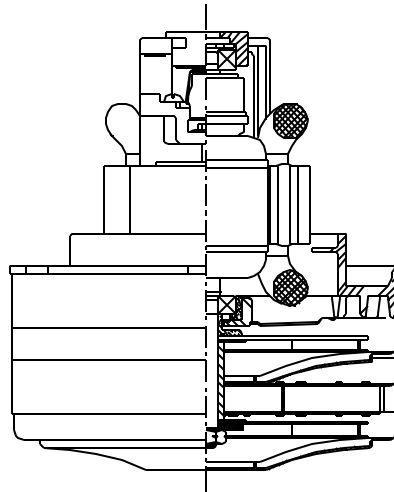
Model: 119800-00

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



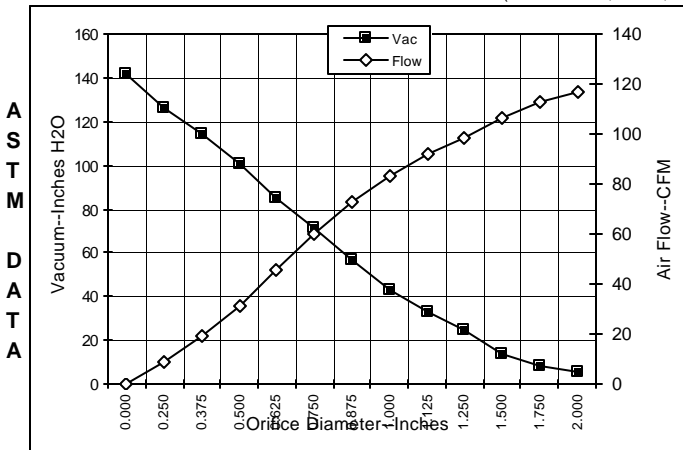
SPECIAL FEATURES

- Suitable for 120 volt AC operation, 50 or 60 Hz
- UL recognized, category PRGY2 (E47185)
- Provision for grounding
- Skeleton frame design
- Dual Tapered - high air flow fan system
- Thermal Device
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

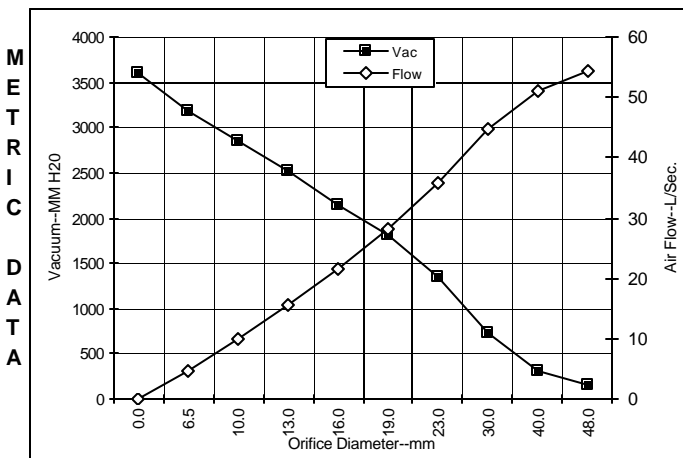


TYPICAL MOTOR PERFORMANCE.*

(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 | 11.0 | 1254 | 24442 | 5.0 | 116.8 | 69 |
| 1.750 | 11.0 | 1258 | 24409 | 8.1 | 112.8 | 107 |
| 1.500 | 11.0 | 1266 | 24327 | 13.7 | 106.6 | 172 |
| 1.250 | 11.2 | 1278 | 24209 | 24.3 | 98.4 | 281 |
| 1.125 | 11.2 | 1284 | 24144 | 32.6 | 92.1 | 354 |
| 1.000 | 11.3 | 1288 | 24104 | 43.4 | 83.6 | 426 |
| 0.875 | 11.2 | 1281 | 24161 | 56.7 | 73.1 | 488 |
| 0.750 | 10.9 | 1252 | 24459 | 71.1 | 59.9 | 501 |
| 0.625 | 10.4 | 1194 | 25052 | 85.1 | 45.4 | 454 |
| 0.500 | 9.6 | 1102 | 26125 | 100.6 | 31.5 | 372 |
| 0.375 | 8.5 | 982 | 27654 | 114.6 | 18.8 | 254 |
| 0.250 | 7.4 | 867 | 29425 | 125.7 | 9.0 | 134 |
| 0.000 | 6.6 | 769 | 31260 | 142.0 | 0.0 | 0 |



| Orifice (mm) | Amps | Watts (In) | RPM | Vac (mm H ₂ O) | Flow (L/Sec) | Air Watts |
|--------------|------|------------|-------|---------------------------|--------------|-----------|
| 48.0 | 11.0 | 1256 | 24427 | 162 | 54.3 | 86 |
| 40.0 | 11.0 | 1264 | 24352 | 306 | 51.2 | 153 |
| 30.0 | 11.2 | 1281 | 24173 | 734 | 44.8 | 321 |
| 23.0 | 11.2 | 1283 | 24147 | 1356 | 35.7 | 473 |
| 19.0 | 10.9 | 1251 | 24471 | 1812 | 28.1 | 500 |
| 16.0 | 10.4 | 1196 | 25028 | 2146 | 21.7 | 456 |
| 13.0 | 9.7 | 1111 | 26018 | 2516 | 15.5 | 380 |
| 10.0 | 8.7 | 1000 | 27425 | 2856 | 9.8 | 272 |
| 6.5 | 7.5 | 873 | 29336 | 3179 | 4.5 | 140 |
| 0.0 | 6.6 | 769 | 31260 | 3607 | 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 to normal manufacturer.

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