



AMETEK
LAMB ELECTRIC

Product Bulletin

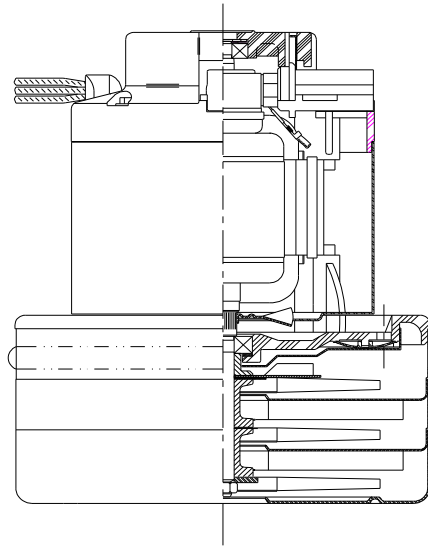
Model: 117744-13

DESCRIPTION

- Three stage
- 240 volts
- 7.2"/183 mm diameter
- Double ball bearing construction
- Single speed
- Peripheral bypass discharge
- Thermoset fan end bracket
- Thermoset 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

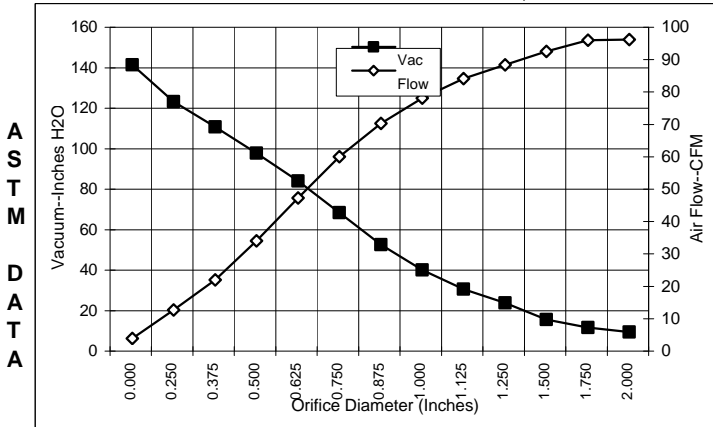


SPECIAL FEATURES

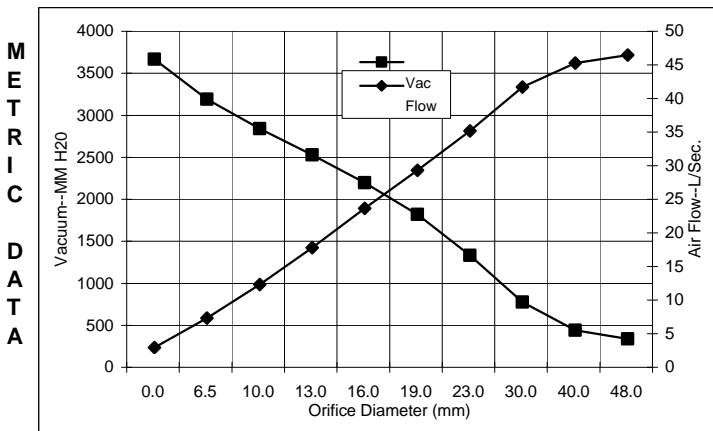
- Suitable for 240 volt operation, 50 or 60 Hz
- UL Recognized, category PRGY2, (E47185)
- 10 mm shaft and bearing system
- Epoxy painted fan case
- Patented air seal bearing construction. U.S. Patent #4,088,424
- The Lamb vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

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



| Orifice (Inches) | Amps | Watts (In) | RPM | Vac (In.H ₂ O) | Flow (CFM) | Air Watts |
|------------------|------|------------|-------|---------------------------|------------|-----------|
| 2.000 | 6.0 | 1373 | 17163 | 3.1 | 92.3 | 34 |
| 1.750 | 6.0 | 1350 | 17175 | 5.3 | 92.1 | 57 |
| 1.500 | 6.0 | 1355 | 17166 | 9.3 | 88.6 | 97 |
| 1.250 | 6.1 | 1360 | 17153 | 17.6 | 84.5 | 175 |
| 1.125 | 6.1 | 1361 | 17131 | 24.3 | 80.2 | 230 |
| 1.000 | 6.1 | 1360 | 17090 | 33.8 | 74.2 | 295 |
| 0.875 | 6.0 | 1356 | 17096 | 46.4 | 66.4 | 362 |
| 0.750 | 6.0 | 1339 | 17247 | 62.1 | 56.1 | 409 |
| 0.625 | 5.7 | 1286 | 17644 | 77.8 | 43.4 | 397 |
| 0.500 | 5.3 | 1200 | 18284 | 91.6 | 30.1 | 324 |
| 0.375 | 4.8 | 1097 | 19193 | 104.5 | 18.1 | 222 |
| 0.250 | 4.3 | 989 | 20199 | 117.0 | 8.8 | 121 |
| 0.000 | 3.8 | 872 | 21430 | 135.2 | 0.0 | 0 |



| Orifice (mm) | Amps | Watts (In) | RPM | Vac (mm H ₂ O) | Flow (L/Sec) | Air Watts |
|--------------|------|------------|-------|---------------------------|--------------|-----------|
| 48.0 | 6.0 | 1363 | 17168 | 103 | 43.5 | 44 |
| 40.0 | 6.0 | 1354 | 17169 | 206 | 42.3 | 85 |
| 30.0 | 6.1 | 1361 | 17141 | 541 | 38.8 | 205 |
| 23.0 | 6.0 | 1357 | 17095 | 1099 | 32.3 | 345 |
| 19.0 | 6.0 | 1338 | 17255 | 1585 | 26.4 | 409 |
| 16.0 | 5.7 | 1288 | 17628 | 1960 | 20.7 | 397 |
| 13.0 | 5.3 | 1209 | 18220 | 2292 | 14.8 | 331 |
| 10.0 | 4.9 | 1112 | 19057 | 2605 | 9.4 | 237 |
| 6.5 | 4.3 | 994 | 20149 | 2956 | 4.4 | 126 |
| 0.0 | 3.8 | 872 | 21430 | 3434 | 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 manufacturing variations.

| | | | | | | | | | |
|--------------------|-----------|-------------------------------|--------|-----------------|------|------------------------|-------|-----------------------|------|
| Test Specs: | 240 volts | Minimum Sealed Vacuum: | 125.0" | ORIFICE: | 7/8" | Minimum Vacuum: | 42.0" | Maximum Watts: | 1460 |
|--------------------|-----------|-------------------------------|--------|-----------------|------|------------------------|-------|-----------------------|------|