



Floorcare & Specialty Motors

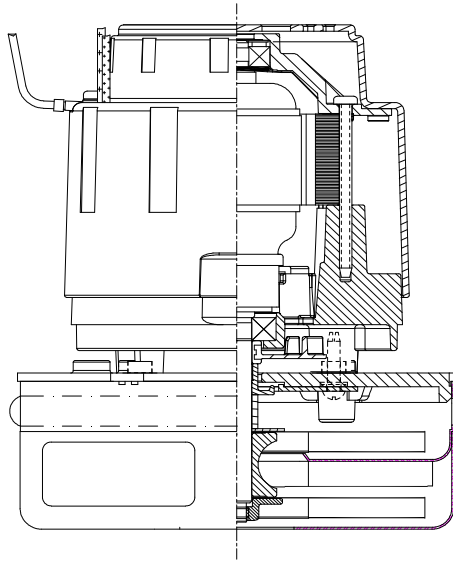
Model: 122411-18

DESCRIPTION

- Two stage
- 230 volts
- 5.7"/145 mm diameter
- Double ball bearings
- Single speed
- "Eternity" (curved) Brush Mech
- Peripheral bypass discharge
- Thermoset fan end bracket
- Stamped steel End-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)
- Provision for grounding
- "Eternity" Brush Mechs
- Skeleton-frame design
- Bearing Protection (for wet applications)
- The Lamb Electric vacuum motor line offers a wide range of performance levels to meet design needs

TYPICAL MOTOR PERFORMANCE.*

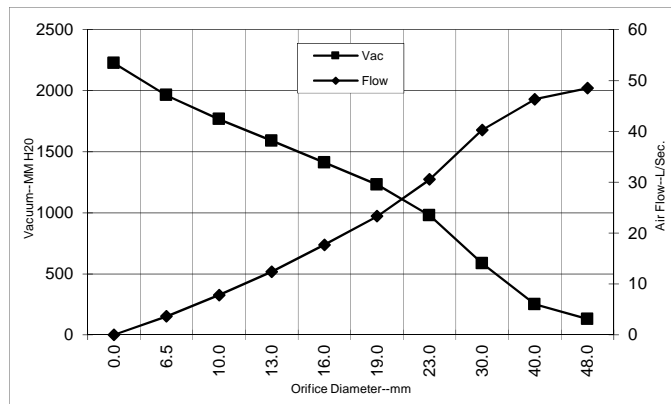
(At 230 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



| Orifice (Inches) | Amps | Watts (In) | RPM | Vac (In.H2O) | Flow (CFM) | Air Watts |
|------------------|------|------------|--------|--------------|------------|-----------|
| 2.000 | 4.1 | 887 | 18,419 | 3.9 | 103.4 | 48 |
| 1.750 | 4.2 | 894 | 18,247 | 6.5 | 101.9 | 78 |
| 1.500 | 4.2 | 905 | 18,129 | 11.2 | 96.5 | 127 |
| 1.250 | 4.3 | 917 | 17,973 | 19.7 | 89.0 | 206 |
| 1.125 | 4.2 | 914 | 17,906 | 25.8 | 82.3 | 249 |
| 1.000 | 4.3 | 922 | 17,945 | 32.8 | 73.1 | 282 |
| 0.875 | 4.2 | 905 | 18,127 | 40.4 | 61.9 | 293 |
| 0.750 | 4.1 | 873 | 18,542 | 48.3 | 49.6 | 281 |
| 0.625 | 3.8 | 826 | 19,170 | 55.9 | 37.0 | 242 |
| 0.500 | 3.5 | 770 | 19,998 | 63.3 | 25.1 | 186 |
| 0.375 | 3.2 | 711 | 20,963 | 70.6 | 15.0 | 125 |
| 0.250 | 3.0 | 659 | 21,938 | 77.6 | 7.3 | 67 |
| 0.000 | 2.8 | 614 | 22,857 | 87.6 | 0.0 | 0 |

METRIC DATA



| Orifice (mm) | Amps | Watts (In) | RPM | Vac (mm H2O) | Flow (L/Sec) | Air Watts |
|--------------|------|------------|-------|--------------|--------------|-----------|
| 48.0 | 4.1 | 890 | 18343 | 129 | 48.5 | 61 |
| 40.0 | 4.2 | 901 | 18164 | 249 | 46.3 | 112 |
| 30.0 | 4.3 | 915 | 17936 | 585 | 40.3 | 229 |
| 23.0 | 4.2 | 909 | 18081 | 977 | 30.6 | 290 |
| 19.0 | 4.0 | 872 | 18555 | 1231 | 23.3 | 281 |
| 16.0 | 3.8 | 828 | 19145 | 1411 | 17.7 | 244 |
| 13.0 | 3.6 | 776 | 19915 | 1588 | 12.4 | 192 |
| 10.0 | 3.3 | 720 | 20818 | 1766 | 7.8 | 134 |
| 6.5 | 3.0 | 662 | 21889 | 1962 | 3.6 | 69 |
| 0.0 | 2.8 | 614 | 22857 | 2225 | 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: 82.1 | ORIFICE: | 7/8 " | Minimum Vacuum: 38.3 | Maximum Watts: | 1043 |
|-------------|-----------|-----------------------------|----------|-------|----------------------|----------------|------|

