



Lamb Electric

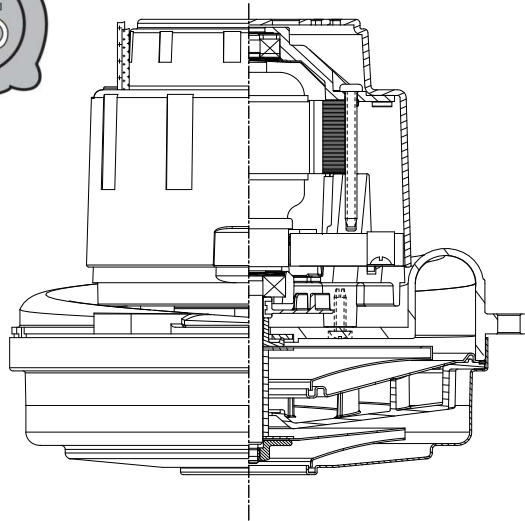
Model: 122694-08

SPECIAL FEATURES

- 1500+ hours brush life
- Low Noise Cooling System
- High Efficiency Fan System
- High Efficiency "Galaxy" Lamination
- Enhanced 2.0 Bearing Protection
- cRUus recognized, Category PRGY2/8 (E47185, E56617)
- Class B Insulation

DESCRIPTION

- 36 volts DC
- Two-stage tapered fan
- 6.6" / 162 mm diameter
- Improved sound quality
- "True" tangential discharge bracket
- Double ball bearings; 10mm output



DESIGN APPLICATION

- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

PEAK AIRWATTS

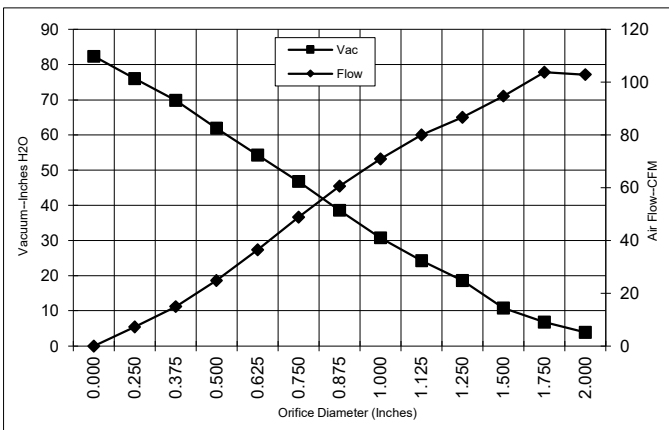
275

Calculated in accordance with ASTM F2105

TYPICAL MOTOR PERFORMANCE.*

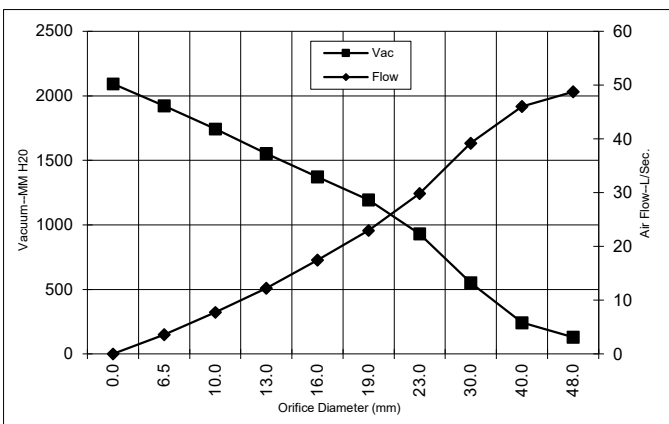
(At 36 volts DC, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA



| Orifice (Inches) | Amps | Watts (In) | RPM | Vac (In.H2O) | Flow (CFM) | Air Watts |
|------------------|------|------------|-------|--------------|------------|-----------|
| 2.000 | 20.2 | 727 | 17215 | 3.9 | 102.8 | 47 |
| 1.750 | 20.3 | 730 | 17192 | 6.8 | 103.8 | 83 |
| 1.500 | 20.4 | 733 | 17192 | 10.8 | 94.8 | 120 |
| 1.250 | 20.4 | 733 | 17146 | 18.6 | 86.7 | 190 |
| 1.125 | 20.5 | 739 | 17074 | 24.3 | 80.0 | 228 |
| 1.000 | 20.6 | 741 | 17021 | 30.8 | 70.9 | 256 |
| 0.875 | 20.4 | 734 | 17087 | 38.6 | 60.6 | 275 |
| 0.750 | 19.9 | 716 | 17408 | 46.8 | 48.9 | 268 |
| 0.625 | 18.9 | 681 | 17933 | 54.3 | 36.5 | 232 |
| 0.500 | 17.5 | 633 | 18760 | 61.9 | 24.8 | 180 |
| 0.375 | 15.9 | 574 | 19899 | 69.8 | 15.0 | 123 |
| 0.250 | 14.6 | 528 | 20969 | 76.0 | 7.2 | 65 |
| 0.000 | 13.4 | 486 | 22019 | 82.4 | 0.0 | 0 |

METRIC DATA



| Orifice (mm) | Amps | Watts (In) | RPM | Vac (mm H2O) | Flow (L/Sec) | Air Watts |
|--------------|------|------------|-------|--------------|--------------|-----------|
| 48.0 | 20.2 | 728 | 17205 | 131 | 48.7 | 63 |
| 40.0 | 20.4 | 732 | 17192 | 244 | 46.0 | 109 |
| 30.0 | 20.5 | 736 | 17106 | 552 | 39.2 | 211 |
| 23.0 | 20.5 | 736 | 17070 | 931 | 29.8 | 270 |
| 19.0 | 19.9 | 715 | 17419 | 1192 | 23.0 | 268 |
| 16.0 | 18.9 | 683 | 17912 | 1371 | 17.5 | 234 |
| 13.0 | 17.7 | 637 | 18678 | 1554 | 12.3 | 186 |
| 10.0 | 16.1 | 583 | 19728 | 1743 | 7.8 | 131 |
| 6.5 | 14.6 | 531 | 20915 | 1922 | 3.6 | 67 |
| 0.0 | 13.4 | 486 | 22019 | 2092 | 0.0 | 0 |

Note: Metric Performance data is calculated from the ASTM data above.

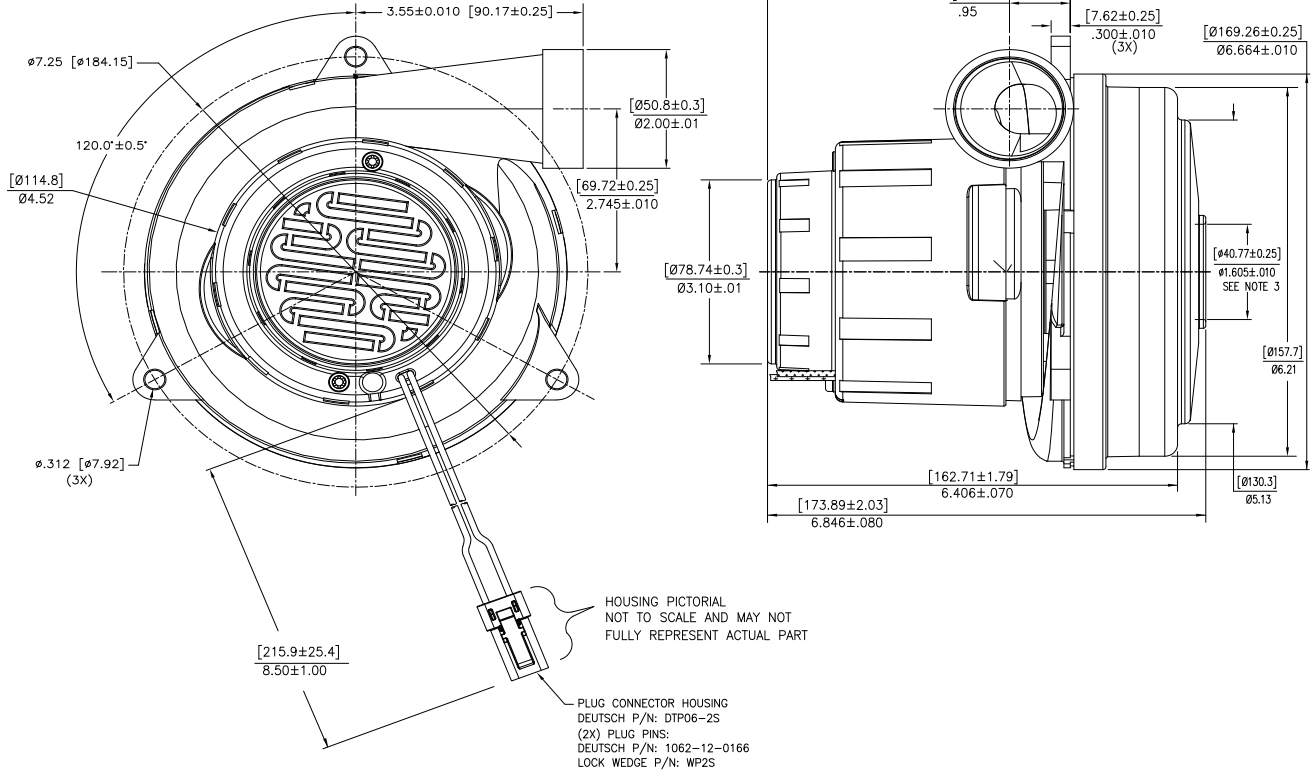
* Data represents performance of a typical motor sampled from a large production quantity. Individual motor data may vary due to normal manufacturing variations.

| | | | | | | | |
|--------------------|---------------|-----------------------------------|-----------------|-------------|-------------------------|-----------------------|------------|
| Test Specs: | 36 VDC | Minimum Sealed Vacuum: 74" | ORIFICE: | 7/8" | Min. Vacuum: 35" | Maximum Watts: | 778 |
|--------------------|---------------|-----------------------------------|-----------------|-------------|-------------------------|-----------------------|------------|

DIMENSIONS

NOTES:

1. LEADS: 14GA. STRANDED, POWER LEADS BLACK.
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTORS CODE WITH "FF" SUFFIX, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENT PENDING* AND COUNTRY OF ORIGIN.
3. MOUNTING MUST NOT RESTRICT THIS DIAMETER.
4. ALLOW [0.0026 SQ W]/4.0 SQ IN. (MIN.) FOR COOLING AIR INTAKE.
5. COOLING AIR INTAKE MUST BE SEPARATED FROM COOLING AIR EXHAUST.
6. COOLING AIR EXHAUST MUST BE SEPARATED FROM VACUUM EXHAUST.



IMPORTANT NOTE: *Pictorial and dimensional data are subject to change without notice. Contact factory for current revision levels.*

WARNING - When using AMETEK Floorcare & Specialty Motors (F&SM) bypass motors in machines that come in contact with foam, liquid (including water), or other foreign substances, the machine must be designed and constructed to prevent those substances from reaching the fan system, motor housing, and electrical components. F&SM vacuum motors other than hazardous duty models should not be applied in machines that come in contact with dry chemicals or other volatile materials. Failure to observe these precautions could cause flashing (depending on volatility) or electrical shock which could result in property damage and severe bodily injury, including death in extreme cases. All applications incorporating F&SM motors should be submitted to appropriate organizations or agencies for testing specifically related to the safety of your equipment.

AMETEK Dynamic Fluid Solutions
www.ametekdfs.com

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