AMETEK®

2022/07/22

# Product Bulletin

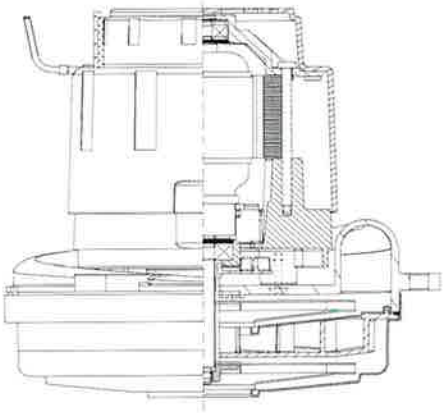
## Lamb Electric

## Preliminary Bulletin

**MODEL: 122474-00**

### DESCRIPTION

- 120 volts AC
- Two-stage tapered fan
- 6.6" / 162 mm diameter
- Improved sound quality
- "True" tangential discharge bracket
- High-Efficiency "Galaxy" lamination
- Double ball bearings; 10mm output



### SPECIAL FEATURES

- 160" Sealed Suction
- Under 15 amps
- High Efficiency Performance
- 1000 + Hours Life
- UL & cUL recognized, category PRGY2 (E47185)

- Metal Motor Bracket

### DESIGN APPLICATION

- Commercial and Residential Central Cleaning Systems
- Car wash vac and blower systems
- Equipment operating in environments requiring separation of working air from motor ventilating air
- Designed to handle clean, dry, filtered air only

## Preliminary Bulletin

**PEAK AIRWATTS**

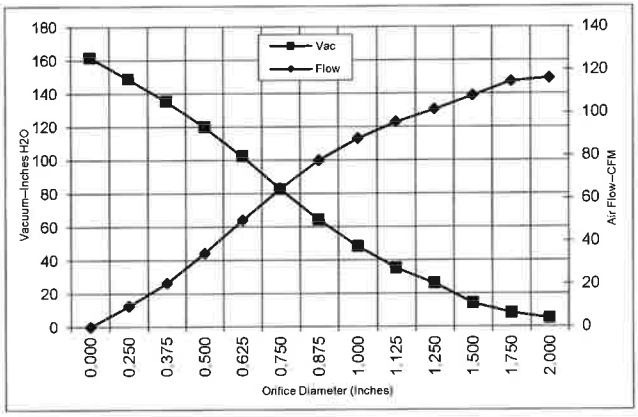
**627**

Calculated in accordance with ASTM F2105

### TYPICAL MOTOR PERFORMANCE.*

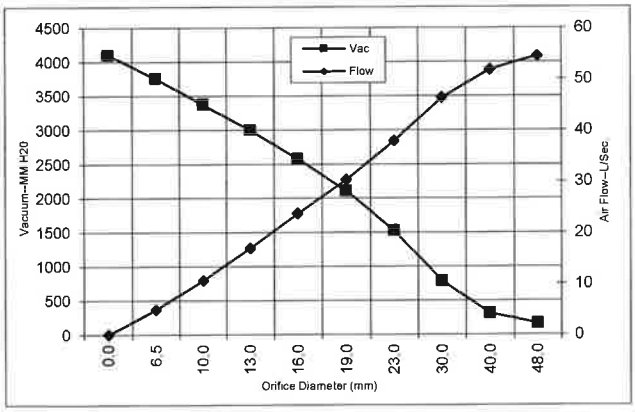
(At 120 volts, 60Hz, test data is corrected to standard conditions of 29.92 Hg, 68° F.)

ASTM DATA




| Orifice (Inches) | Amps | Watts (In) | RPM | Vac (In.H2O) | Flow (CFM) | Air Watts |
|---|---|---|---|---|---|---|
| 2.000 | 14.5 | 1634 | 26102 | 5.0 | 116.0 | 68 |
| 1.750 | 14.5 | 1636 | 26060 | 8.3 | 114.5 | 112 |
| 1.500 | 14.6 | 1645 | 26007 | 14.1 | 107.8 | 178 |
| 1.250 | 14.6 | 1655 | 25933 | 25.8 | 101.4 | 307 |
| 1.125 | 14.7 | 1663 | 25880 | 35.2 | 95.5 | 394 |
| 1.000 | 14.8 | 1668 | 25821 | 48.1 | 87.9 | 496 |
| 0.875 | 14.8 | 1667 | 25813 | 64.1 | 77.7 | 585 |
| 0.750 | 14.6 | 1652 | 25925 | 82.5 | 64.5 | 624 |
| 0.625 | 14.1 | 1595 | 26295 | 102.3 | 49.7 | 596 |
| 0.500 | 13.1 | 1486 | 27194 | 120.0 | 34.3 | 483 |
| 0.375 | 11.6 | 1323 | 28443 | 135.3 | 20.4 | 324 |
| 0.250 | 10.1 | 1164 | 30073 | 148.7 | 9.8 | 170 |
| 0.000 | 8.8 | 1013 | 31833 | 161.5 | 0.0 | 0 |

METRIC DATA




| Orifice (mm) | Amps | Watts (In) | RPM | Vac (mm H2O) | Flow (L/Sec) | Air Watts |
|---|---|---|---|---|---|---|
| 48.0 | 14.5 | 1635 | 26083 | 164 | 54.4 | 87 |
| 40.0 | 14.5 | 1643 | 26023 | 314 | 51.8 | 158 |
| 30.0 | 14.7 | 1659 | 25904 | 787 | 46.3 | 355 |
| 23.0 | 14.8 | 1667 | 25815 | 1527 | 37.9 | 562 |
| 19.0 | 14.6 | 1651 | 25932 | 2106 | 30.3 | 624 |
| 16.0 | 14.1 | 1597 | 26281 | 2579 | 23.7 | 597 |
| 13.0 | 13.2 | 1497 | 27105 | 3003 | 16.9 | 495 |
| 10.0 | 11.8 | 1348 | 28256 | 3378 | 10.6 | 348 |
| 6.5 | 10.2 | 1172 | 29992 | 3761 | 4.9 | 178 |
| 0.0 | 8.8 | 1013 | 31833 | 4103 | 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: | TBD | ORIFICE: | 7/8" | Min. Vacuum: | TBD | Maximum Watts: | TBD |
|---|---|---|---|---|---|---|---|---|---|

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**PRODUCT BULLETIN** **122474-00**

**DIMENSIONS**

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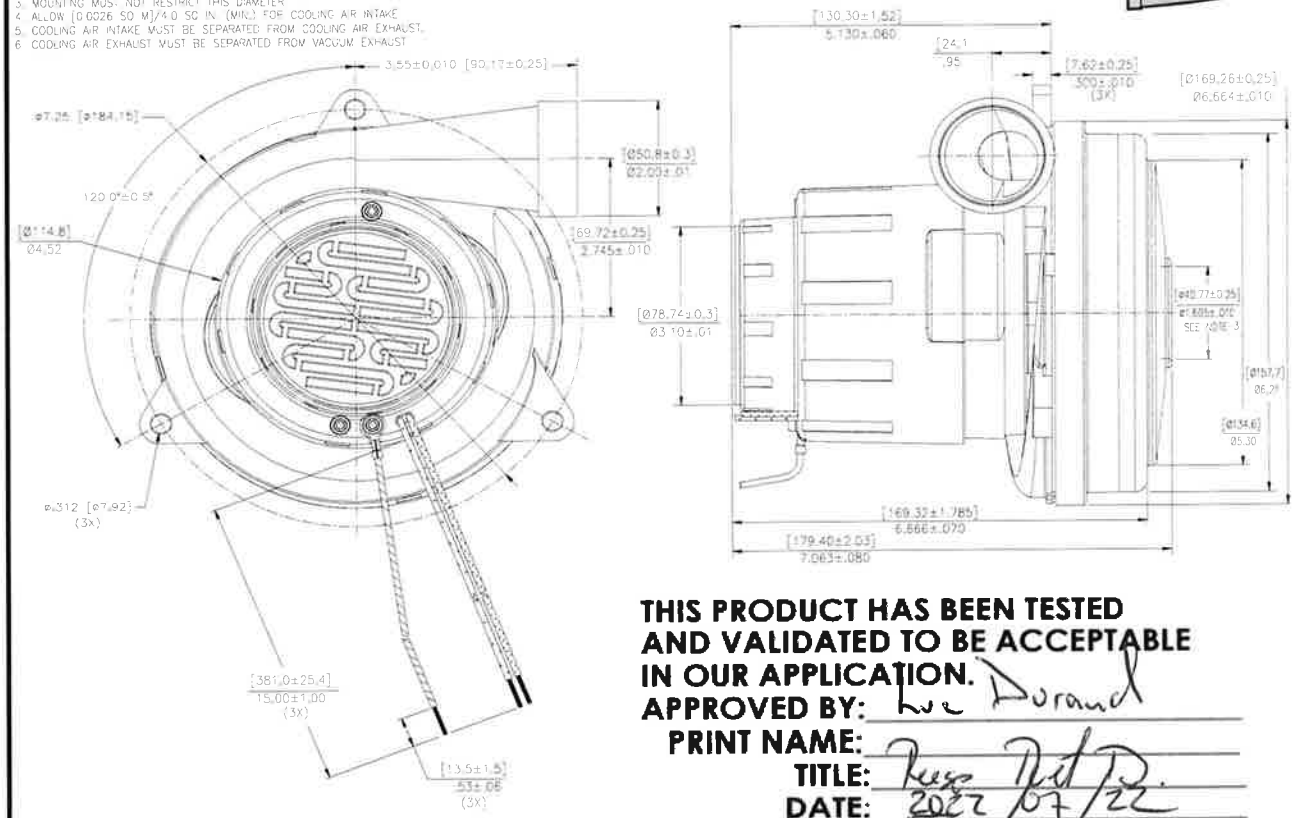
NOTES:
1. LEADS: 18GA, STRANDED, POWER LEADS BLACK AND WHITE, GROUNDING LEAD GREEN OR GREEN WITH YELLOW STRIPE
2. MOTOR IDENTIFICATION: MANUFACTURER'S NAME, MODEL NUMBER, VOLTAGE, FREQUENCY, INSPECTORS CODE WITH "FF" SUFFIX, DATE OF MANUFACTURE, AGENCY RECOGNITION CODE, PLANT LOCATION CODE, PATENT PENDING AND COUNTRY OF ORIGIN.
3. MOUNTING MUST NOT RESTRICT THIS DIAMETER
4. ALLOW [0.0026 SQ M]/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




**THIS PRODUCT HAS BEEN TESTED AND VALIDATED TO BE ACCEPTABLE IN OUR APPLICATION.**

**APPROVED BY:** Luc Durand

**PRINT NAME:**

**TITLE:** Resp. Dir. R.

**DATE:** 2022/07/22

**COMPANY:** Invac

**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 shockwhich 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.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