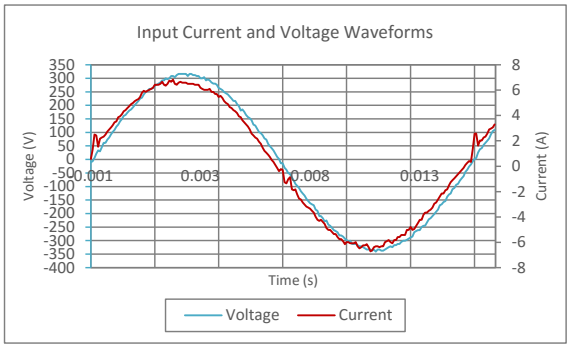
# 80 PLUS Verification and Testing Report

| | |
|---|---|
| **TYPICAL EFFICIENCY (50% Load):** | **94.20%** |
| **AVERAGE EFFICIENCY :** | **93.11%** |
| **80 PLUS COMPLIANT:** | **YES** |

| | |
|---|---|
| **ID Number** | SO-1299 |
| **Manufacturer** | Artesyn Embedded Technologies |
| **Model Number** | (Artesyn Embedded Technologies)700-014575-0000 |
| **Serial Number** | N/A |
| **Year** | 2017 |
| **Type** | 1U |
| **Test Date** | 08/16/17 |

| Rated Specifications | Value | Units |
|---|---|---|
| Input Voltage | **100-127 / 200-240** | Volts |
| Input Current | **11.5 / 11.5** | Amps |
| Input Frequency | **50/60** | Hz |
| **Rated Output Power** | **2,000** | **Watts** |

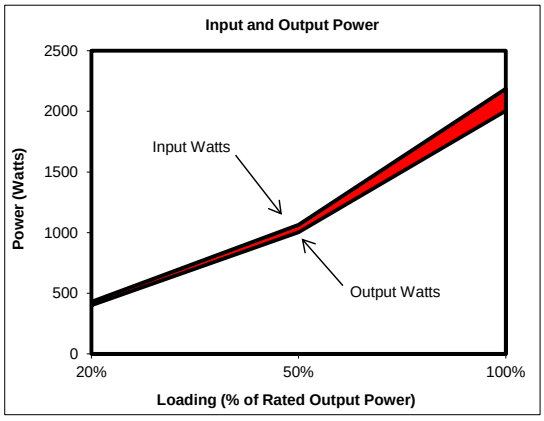
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

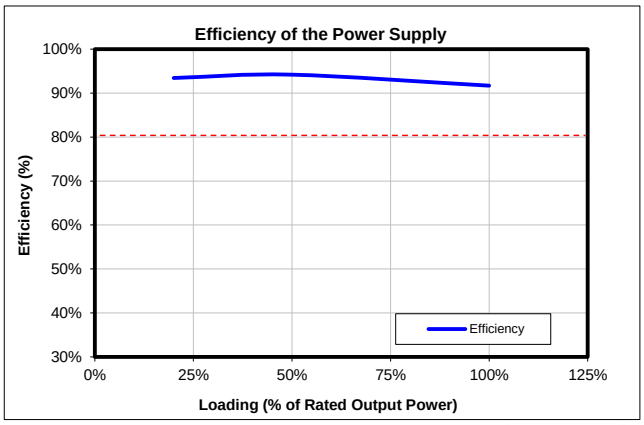



Input AC Current Waveform (ITHD = 0.0248%, 50% Load)

| $I_{RMS}$ | PF | $I_{THD}$ | Load | Fraction of Load | Input Watts | External Fan (W)* | DC Terminal Voltage (V)/ DC Load Current (A) | | Output Watts | Efficiency |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | 12.2V | 12Vsb | | |
| 1.06 | 0.91 | 8.40% | 10% | **Low** | 223 | 207.60 | 12.2/16.09 | 12.11/0.35 | 201 | **89.97%** |
| 1.99 | 0.94 | 6.49% | 20% | **Light** | 429 | 209.28 | 12.2/32.19 | 12.1/0.69 | 401 | **93.44%** |
| 4.69 | 0.99 | 2.48% | 50% | **Typical** | 1065 | 207.00 | 12.2/80.48 | 12.07/1.72 | 1003 | **94.20%** |
| 9.59 | 0.99 | 1.96% | 100% | **Full** | 2187 | 205.20 | 12.2/160.92 | 12.01/3.44 | 2005 | **91.70%** |

* Fan power is not included in the efficiency calculations




PLUG LOAD solutions

These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. http://www.80plus.org/

80 PLUS®