

## 80 PLUS Verification and Testing Report

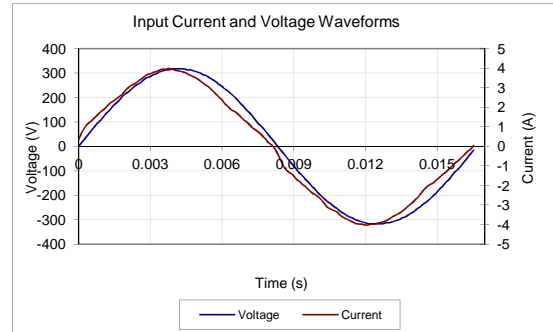
|                                |        |
|--------------------------------|--------|
| TYPICAL EFFICIENCY (50% Load): | 96.20% |
| AVERAGE EFFICIENCY :           | 95.41% |
| 80 PLUS COMPLIANT:             | YES    |



|               |                               |
|---------------|-------------------------------|
| Ecos ID #     | SO-722                        |
| Manufacturer  | Artesyn Embedded Technologies |
| Model Number  | 700-013578-0000               |
| Serial Number | 140328000200H                 |
| Year          | 2014                          |
| Type          | 1U                            |
| Test Date     | 04/02/14                      |

| Rated Specifications | Value   | Units |
|----------------------|---------|-------|
| Input Voltage        | 200-240 | Volts |
| Input Current        | 7       | Amps  |
| Input Frequency      | 50/60   | Hz    |
| Rated Output Power   | 1,210   | Watts |

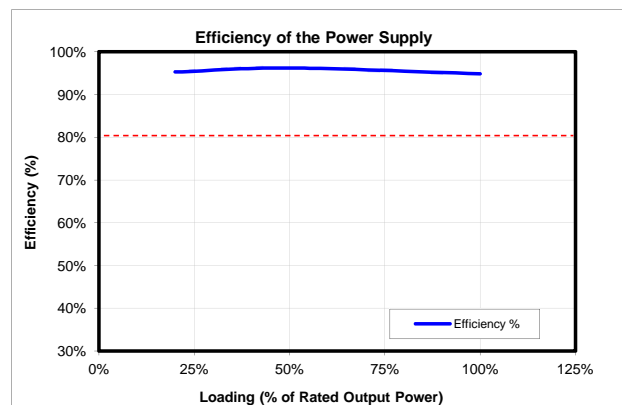
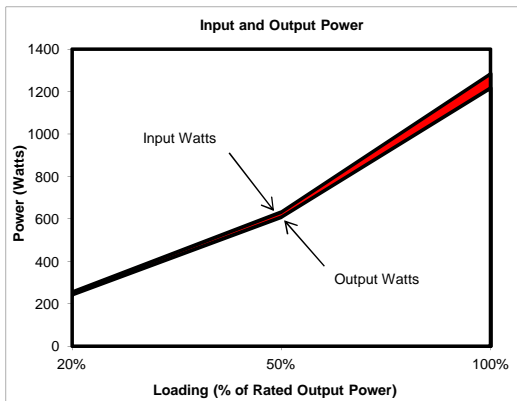
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 4.56%, 50% Load)

| I <sub>RMS</sub><br>A | PF   | I <sub>THD</sub> (%) | Load<br>(%) | Fraction<br>of Load | Input<br>Watts | External<br>Fan (W)* | DC Terminal Voltage (V)/ DC Load Current (A) |           | Output<br>Watts | Efficiency % |
|-----------------------|------|----------------------|-------------|---------------------|----------------|----------------------|--|-----------|-----------------|--------------|
|                       |      |                      |             |                     |                |                      | 12V  | 5Vsb      |                 |              |
| 0.66                  | 0.87 | 21.17                | 10%         | Low                 | 132            | 5.88                 | 12.05/10.02                                  | 5.03/0.2  | 122             | 92.49%       |
| 1.16                  | 0.96 | 10.22                | 20%         | Light               | 255            | 5.88                 | 12.05/20                                     | 5.03/0.4  | 243             | 95.23%       |
| 2.78                  | 0.99 | 4.56                 | 50%         | Typical             | 633            | 5.88                 | 12.05/50.09                                  | 5.01/1.01 | 609             | 96.20%       |
| 5.61                  | 1.00 | 4.33                 | 100%        | Full                | 1285           | 5.88                 | 12.06/100.19                                 | 4.96/2.01 | 1218            | 94.80%       |

\* Fan power is not included in the efficiency calculations



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/>

