


EC 278/2009 EcoDesign Test Report

EUT: TPC 120-124

Manufacturer No: 120PSC184

| 230VAC High line | | | | | | |
|--------------------------------------|-------------|----------------|--------|--------|--------|--------------|
| Summary | Unit | User ID | | | | |
| Unit Type: | 120PSC184 | MD | | | | |
| Input Voltage | [VAC] | 230 | | | | |
| Nominal output current | [A] | 5 | | | | |
| Nominal Output Voltage | [V] | 24 | | | | |
| Nominal O/P Power | [W] | 120 | | | | |
| Load Condition | | 1 | 2 | 3 | 4 | 5 |
| | | 100% | 75% | 50% | 25% | 0% |
| RMS output current | [A] | 4.966 | 3.725 | 2.486 | 1.212 | 0.000 |
| Load Condition | [%] | 99.32 | 74.5 | 49.72 | 24.24 | 0 |
| RMS output voltage | [V] | 24.026 | 24.037 | 24.047 | 24.056 | 24.080 |
| Active output power | [W] | 119.31 | 89.54 | 59.78 | 29.16 | 0 |
| RMS input voltage | [V] | 230.23 | 230.25 | 230.28 | 230.3 | 230.33 |
| RMS input power | [W] | 133.99 | 101.09 | 68.02 | 33.74 | 0.31 |
| Total harmonic distortion THD | | 180.81 | 189.43 | 199.43 | 209.92 | 6.53 |
| True PFC | | 0.47 | 0.45 | 0.43 | 0.37 | 0.01 |
| Power consumed | [W] | 14.67 | 11.55 | 8.24 | 4.58 | 0.308 |
| Efficiency | [%] | 89.05 | 88.57 | 87.89 | 86.43 | |
| Average Efficiency (1-4) | [%] | 87.98 | | | | |
| Min required efficiency | [%] | 87.00 | | | | |
| Standby Power Loss | (W) | 0.308 | | | | |
| Allowable Standby Power Loss | (W) | 0.5 | | | | |
| | | | | | | |
| Percentage of nominal output current | | | | | | |
| Load condition 1 | 100% | | | | | |
| Load condition 2 | 75% | | | | | |
| Load condition 3 | 50% | | | | | |
| Load condition 4 | 25% | | | | | |
| Load condition 5 | 0% | | | | | |


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| | | | | EcoDesign Test Report 120PSC184 | |  |
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| 0 | | 14/05/11 | MD | | Sheet 1/2 | |
| Iss | Change | Date | Name | | | |

EC 278/2009 EcoDesign Test Report

EUT: TPC 120-124

Manufacturer No: 120PSC184

| 115VAC Low Line | | | | | | |
|--------------------------------------|------------------|--------------|--------|--------|--------|--------------|
| Summary | Convertec | TRACO | | | | |
| Unit Type: | 120PSC184 | TOB | | | | |
| Input Voltage | [VAC] | 115 | | | | |
| Nominal output current | [A] | 5 | | | | |
| Nominal Output Voltage | [V] | 24 | | | | |
| Nominal O/P Power | [W] | 120 | | | | |
| Load Condition | | 1 | 2 | 3 | 4 | 5 |
| RMS output current | [A] | 4.997 | 3.746 | 2.496 | 1.247 | 0.000 |
| Load Condition | [%] | 99.94 | 74.93 | 49.91 | 24.94 | 0 |
| RMS output voltage | [V] | 24.020 | 24.031 | 24.041 | 24.052 | 24.066 |
| Active output power | [W] | 120.03 | 90.03 | 60.00 | 29.99 | 0 |
| RMS input voltage | [V] | 115.57 | 115.6 | 115.64 | 115.67 | 115.71 |
| RMS input power | [W] | 138.98 | 103.52 | 68.76 | 34.3 | 0.21 |
| Total harmonic distortion THD | | 147.07 | 157.79 | 169.04 | 182.30 | 16.79 |
| True PFC | | 0.55 | 0.52 | 0.5 | 0.47 | 0.02 |
| Power consumed | [W] | 18.95 | 13.48 | 8.76 | 4.31 | 0.205 |
| Efficiency | [%] | 86.37 | 86.97 | 87.26 | 87.43 | |
| Average Efficiency (1-4) | [%] | 87.01 | | | | |
| Min required efficiency | [%] | 87.00 | | | | |
| Standby Power Loss | [W] | 0.21 | | | | |
| Allowable Standby Power Loss | (W) | 0.5 | | | | |
| Percentage of nominal output current | | | | | | |
| Load condition 1 | 100% | | | | | |
| Load condition 2 | 75% | | | | | |
| Load condition 3 | 50% | | | | | |
| Load condition 4 | 25% | | | | | |
| Load condition 5 | 0% | | | | | |
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| 0 | | 14/05/11 | MD | | | |
| Iss | Change | Date | Name | | Sheet 2/2 | |