

EC 278/2009 Ecodesign Test Report

EUT: TPC 030-124


Manufacturer No: 030PSC184

230VAC_Highline						
Summary	Convertec	TRACO	Unit Tested ID			
Unit Type:	030PSC184_P2	TPC 030-124	0			
Nominal output current	[A]	1.25				
Nominal Output Voltage	[V]	24				
Nominal O/P Power	[W]	30				
Load Condition		1	2	3	4	5
RMS output current	[A]	1.25	0.93	0.62	0.31	0.00
Load Condition	[%]	99.61	74.60	49.59	24.58	0.00
RMS output voltage	[V]	24.00	24.01	24.01	24.01	24.02
Active output power	[W]	29.89	22.39	14.88	7.38	0.00
RMS input voltage	[V]	231.50	231.51	231.52	231.52	231.52
RMS input power	[W]	34.63	26.23	17.39	9.27	0.30
Total harmonic distortion THD		1.97	2.06	2.14	2.15	0.17
True PFC		0.43	0.41	0.39	0.33	0.02
Power consumed	[W]	4.74	3.85	2.51	1.90	0.30
Efficiency	[%]	86.30	85.33	85.59	79.55	
Average Efficiency (1-4)	[%]	84.19				
Min required efficiency	[%]	83.63				
Percentage of nominal output current						
Load condition 1	1					
Load condition 2	0.75					
Load condition 3	0.5					
Load condition 4	0.25					
Load condition 5	0					

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Iss	Change	Date	Name			



115VAC_Lowline						
Summary	Convertec	TRACO	Unit Tested ID			
Unit Type:	030PSC184_P2	TPC 030-124	0			
Nominal output current	[A]	1.25				
Nominal Output Voltage	[V]	24				
Nominal O/P Power	[W]	30				
Load Condition		1	2	3	4	5
RMS output current	[A]	1.24	0.93	0.62	0.31	0.00
Load Condition	[%]	99.59	74.59	49.59	24.58	0.00
RMS output voltage	[V]	24.00	24.01	24.01	24.01	24.01
Active output power	[W]	29.88	22.38	14.88	7.38	0.00
RMS input voltage	[V]	115.68	115.68	115.69	115.70	115.70
RMS input power	[W]	34.65	25.97	17.08	8.80	0.22
Total harmonic distortions THD		1.51	1.63	1.79	1.99	0.41
True PFC		0.52	0.50	0.47	0.42	0.05
Power consumed	[W]	4.78	3.59	2.20	1.42	0.22
Efficiency	[%]	86.22	86.18	87.13	83.84	
Average Efficiency (1-4)	[%]	85.84				
Min required efficiency	[%]	83.63				
Percentage of nominal output current						
Load condition 1	1					
Load condition 2	0.75					
Load condition 3	0.5					
Load condition 4	0.25					
Load condition 5	0					

						
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Iss	Change	Date	Name			