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Temperature increase of main components: 主要部品温度上昇

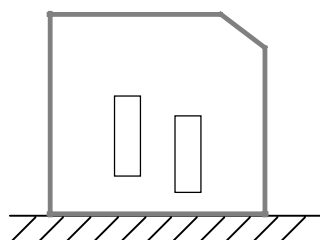
Model: FCA200F-24

1. Conditions

- (1) Input : AC 187 ~ 528 [V]
 (2) Output : Rated output
 (3) Mounting method : Shown as Fig.1.1

2. Result

No.	Parts name	Symbol No.	Increase (ΔT)					Rated temp. [°C]	Reference
			[deg]						
			24V						
1	Line filter	L101	48					120	
2	Rectifier(Input)	SS101	52					150	Junction Temp.
3	Choke coil(PFC)	L103	57					120	
4	Transistor(PFC)	TR102	61					150	Junction Temp.
5	Rectifier Diode(PFC)	D106	64					150	Junction Temp.
6	Input capacitor	C116	21					105	
7	Capacitor(PFC Control circuit)	C121	29					105	
8	Power control IC(PFC)	IC101	73					150	Junction Temp.
9	Switching transistor	TR204	79					150	Junction Temp.
10	Transformer	T201	66					130	
11	Rectified diode(Output)	SS504	66					150	Junction Temp.
12	Output choke	L509	52					130	
13	Output capacitor	C508	36					105	
14	Capacitor(Control circuit)	C202	29					105	
15	Power control IC	IC202	80					150	Junction Temp.
16									
17									
18									
19									
20									

Fig.1.1 Mounting method
(Normal position)