

Heat Sink

⇄35mm Din Rail - Plastic

TYPE "J-58" 808/801model
 Current up to 7Amp
 43mm(W) X 58mm(L) X
 20mm(H)+ SSR
 Weight : @ 35gms
 Price Rs. 52+Rs.8 Din Rail

⇄35mm Din Rail - Plastic

TYPE "K-58" 808 model
 Current up to 12Amp
 35mm(W) X 58mm(L) X
 44.5mm(H) + SSR
 Weight : @ 90gms
 Price Rs.95+Rs.8 Din Rail

⇄35mm Din Rail

TYPE "B-77" 801 model
 Current up to 16Amp
 51mm(W) X 77mm(L) X
 37mm(H) + SSR
 Weight : @ 195gms
 Price Rs. 110+ Rs. 30 Din Rail

⇄35mm Din Rail

TYPE "C-77" 801/707 model
 Current up to 30Amp.
 58mm(W) X 77mm(L) X
 67mm(H)+ SSR
 Weight : @ 485gms
 Price Rs.240+Rs.30 Din Rail

⇄35mm Din Rail

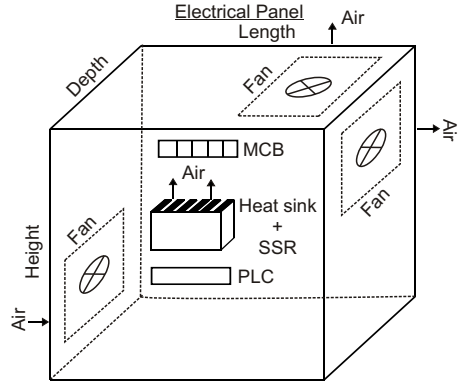
TYPE "E-77" 705 model
 current up to 18Amp
 100mm(W) X 77mm(L) X
 27mm(H) + SSR
 Weight : @ 270gms
 Price Rs.190+Rs.30 Din Rail

⇄35mm Din Rail

Type "L-100" -801/ 707 / 705model
 current up To 40Amp
 100mm(W) X 100mm(L) X
 49mm(H) +SSR
 Weight : @ 650gms
 Price Rs.400+Rs.30 Din Rail

24VDC FAN COOLING

TYPE "V-120" -801/707/705model
 current up to 60Amp
 801 model-2nos,707 model-1no,705 model-1no
 66mm(W) X 145mm(L) X 60mm(H)
 +SSR Weight : @ 750gms, Price Rs.815.00
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- ⇄ Heat Sink Fins should be in vertical position So that hot air flow from bottom to top - self cooling
 - ⇄ Keep 20mm gap at top and bottom of heat sink.
 - ⇄ Apply Heat Sink compound between SSR and heat sink
 - ⇄ The screw should tight properly so no air gap between SSR and Heat Sink
- * 1800 square mm of total exposed aluminum is sufficient To dissipated one watt of heat generated.

Thermal Calculations

$T_j - T_A = P(R_{\theta JC} + R_{\theta CS} + R_{\theta SA})$
T_j = Junction Temperature (°C) 125 °C
T_A = Ambient Temperature(°C)
P = Power dissipation (watts) Voltage drop X load current
$R_{\theta JC}$ = Thermal resistance junction to case °C/W
$R_{\theta CS}$ = Thermal resistance of Heat sink compound (0.2°C/W TYP)
$R_{\theta SA}$ = Thermal resistance of external heat sink (°C/W)it depend upon length, width, expose aluminum (0.5 to 5)

If SSR current capacity high and SSR use for lower capacity of load current than heat sink size will reduced Example:
 1). 50Amp SSR used for 15Amp Load Current than "B" Type of Heat sink.
 2). 50Amp SSR used for 25Amp load current then "C" type of Heat Sink.

AIR

SSR1 SSR2 SSR3
 SSR4 SSR5 SSR6

TYPE "U-250" 801 model
 current up to 140Amp
 801model - 6 nos.
 707 model - 6 nos.
 140mm(W) X 250mm(L) X
 60mm(H) +SSR
 Weight : @ 1 kg
 Price Rs.1950.00

AIR

TYPE "O-120" 801/707 model
 current up to 70Amp
 801model - 4 nos.
 & 707 model - 3 nos.
 204mm(W) X 120mm(L) X
 42mm(H) +SSR
 Weight : @ 952gms
 Price Rs.625.00

TYPE "P-400" 801/808 model
 current up to 35Amp
 Mounted on 801 model - 6 nos.
 & 808 model - 12 nos.
 54mm(W) X 400mm(L) X
 20mm(H) +SSR
 Weight : @ 600gms
 Price Rs. 510.00

230VAC FAN COOLING

TYPE "W-250" 801/707 model
 current up to 350Amp
 Mounted on 801 model - 6 nos. &
 707 model - 3 nos.
 Size: 126mm(W) x 290mm(L)
 X 136mm(H)+SSR
 Weight : @ 6 kg
 Price Rs. 3800.00

24VDC FAN COOLING

TYPE "V-209" 801/707 model
 current up to 90Amp
 Mounted on 801 model - 4 nos.
 & 707 model - 3nos.
 Size: 66mm(W) X 235mm(L) x 60mm(H)+SSR
 Weight : @ 1.2kg
 Price Rs. 1100.00

Note : Prices & Specifications are subject to change without prior notice.