

SOLAR SHIELD TOP



Solar Shield Top provides a vented area on top of the enclosure to absorb solar heating effects and help keep enclosure cool. Also provides a drip shield to keep liquids away from the door sealing surface. Aluminum with RAL 7035 textured light-gray finish inside and out. Maintains enclosure rating. Includes mounting hardware.

Shielding Effectiveness

Hoffman's research of the effects of solar radiation on enclosures has shown the positive benefits of utilizing shielding to decrease temperature rise. Shielding has been found to be an effective, low-cost method of reducing solar heat gain in outdoor electrical/electronic applications.

Test results indicate that a top-mounted solar shield provides a 25 percent reduction in temperature rise due to solar heat load.

BULLETIN: DCOMY

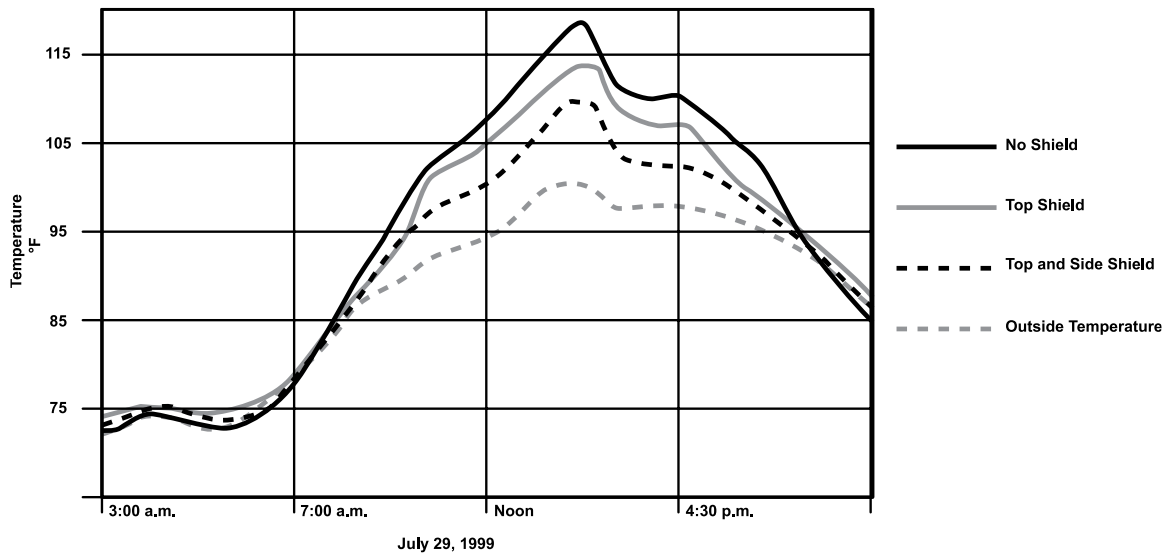
Catalog Number	Fits B x C
ESSH3015	300 x 150
ESSH4015	400 x 150
ESSH4020	400 x 200
ESSH5020	500 x 200
ESSH6020	600 x 200
ESSH6030	600 x 300
ESSH9030	900 x 300

Unshielded vs. Shielded

Enclosure Type	Temperature (°F)	Temp. Reduction (%)
Unshielded	118.6	—
Top shield only	114.0	25
Top and side shields	110.1	46

Air Temperature = 100.2 F

Enclosure color is light-gray (RAL 7035)



The results of the test show the enclosure with top and side shields to have approximately a 46% reduction in temperature compared to the unshielded enclosure. Hoffman offers top shields as an accessory for Hoffman COMLINE™ Wall-Mount Enclosures. The reduction in temperature is approximately 25% with the solar shield top only.

MOUNTING PANEL



Provides a mounting surface in the back of the COMLINE™ Enclosure for surface mount components. Mill finish aluminum.

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Catalog Number	Fits A x B	Height (mm)	Height (in.)	Width (mm)	Width (in.)
EP3030AL	300 x 300	226	8.90	226	8.90
EP4030AL	400 x 300	326	12.84	226	8.90
EP4040AL	400 x 400	326	12.84	326	12.94
EP5040AL	500 x 400	426	16.78	326	12.94
EP5050AL	500 x 500	426	16.78	426	16.78
EP6050AL	600 x 500	526	20.71	426	16.78
EP6060AL	600 x 600	526	20.71	526	20.71
EP8060AL	800 x 600	726	28.59	526	20.71
EP10060AL	1000 x 600	926	36.46	526	20.71
EP12090AL	1200 x 900	1126	44.33	826	32.52
EP15090AL	1500 x 900	1426	56.15	826	32.52