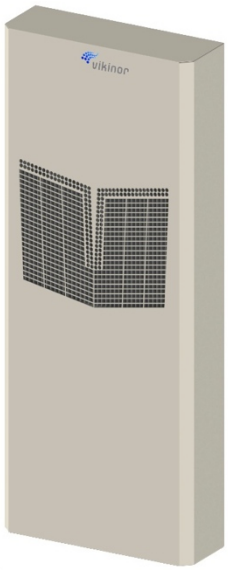
Heat Exchanger Thermosiphon Series; AC or DC powered



A thermosiphon is used in environments similar to where usage of a traditionally heat exchanger take place. It is among the most energy-efficient passive coolers in the market.

The thermosiphon is the perfect enclosure cooling solution when the electrical equipment can operate 10-12 degrees higher than the ambient temperature outside the cabinet.

A thermosiphon consists of a traditional cooling system with coils and refrigerant but without a compressor. When refrigerant fluid in the internal coil is heated by the heat load in the cabinet it starts the evaporation of the refrigerant. Evaporation of the refrigerant starts the circulation of the refrigerant and condensation of the refrigerant will automatically happens in the external coil.

The product has a higher cooling capacity than traditional air-to-air heat exchanger among others due to low pressure drop over the coils.

The product is designed for environments that need strictly thermal control especially for Telecom and Industrial Control & Automation – for indoor as well as outdoor environments.

Same product-dimensions are available for both DC and AC powered products. Power supply selection is 230 VAC 50/60 Hz or 24/48 VDC . Power supply 115 VAC 50/60 Hz upon request. Heater is optional.

Closed loop heat exchangers, salt fog and IP 55 tested. No risk to electronics for dust deposits or water splash. RoHS compliant. Wide operating temperature range from -40 ˚C to +55˚C.

The large distance between the air inlet and outlet in the internal circuit makes the cooling unit particularly effective.

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Product Model	Capacity* (W/˚C)	Capacity* (W/˚F)	Weight (kg)	Size (HxWxD mm)
VHT-100	100	55	22	1050x450x170
VHT-140	140	77	28	1250x460x190
VHX-200	200	110	36	1600x545x230

Capacities on 230 VAC products are based on 50 Hz operation

The information may be subject to change – for reference only

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