



**XVH**

**High Efficiency Air/Air Heat Exchanger**

# XVH Heat Exchanger

The Cosmotec XVH air / air heat exchangers have been developed in order to cool electrical cabinets and shelters using the favourable environmental conditions, but at the same time, ensuring total protection from snow, rain, wind, dust, etc. (closed loop cooling). The air/air heat exchangers exploit the principle of thermal conductivity to transfer heat from the internal environment to the outside, through an high performance finned heat exchanger core. The air flows cross the heat exchanger core upstream; in this way the outside air can't infiltrating inside the cabinet, along with dust, humidity, pollutants.

**XVH** heat exchangers are perfectly suited to outdoor applications such as:

- Telecommunication Cabinet
- Applications in renewable energy
- External electrical panel
- Electrical cabinet

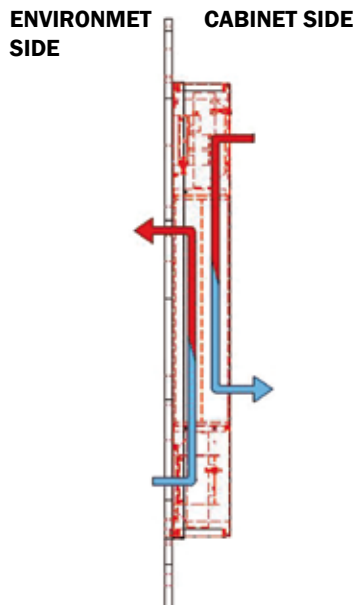
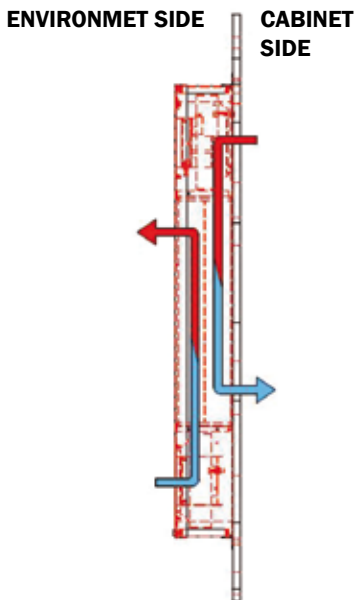


**Power Supply**  
**48 VDC or 230VAC**

**Specific Heat Transmission**  
**From 30 to 160 W/K**

## External Installation

## Internal Installation



## Flexibility

All units are supplied with **48VDC** or **230VAC** and can be installed independently inside or outside the shelter, easily adaptable to all kinds of applications. XVH is also available, upon request, in all RAL colors, so that it can be perfectly integrated with the shelter or equipment on which they are applied.



**C102** Control allows to:

- **Monitor** (by optional keypad):

- Alarms History (last 40)
- Internal Temperature
- Total working hours (vent. ext. and int.)

- **Set the temperature/fan speed set point and display the following alarms:**

- High temperature (HT)
- Low temperature (LT)
- Internal Fan Failure
- External Fan Failure
- Probe Failure

## “no worries” or “full control”

In **48VDC units** the new control tools provide a perfectly calibrated working, according to cooling requirements and environmental conditions, thus minimizing the noise of the machines.

**The active probe control** rule independently the outdoor fan speed according to the temperature within the shelter. This keeps the noise and the consumption controlled.

**C102 Electronic Control** allows a full speed control and the displaying of temperature and possible faults, ensuring full control at all times.

## Technical Data

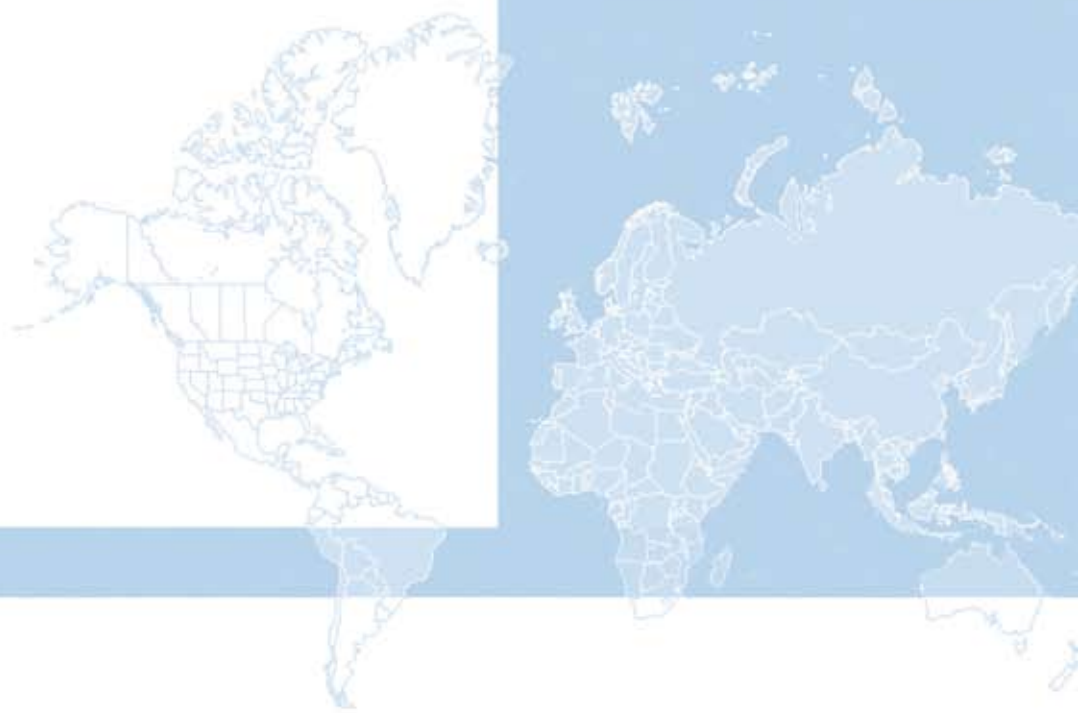
General Features: painted steel frame RAL7035; operating range -20/+55 °C; Protection Degree IP54; Quick connector; Brackets for internal/external mounting.

CODE	CONTROL	SPECIFIC HEAT TRANSMISSION	AIR FLOW	NOISE LEVEL	POWER SUPPLY	WEIGHT	DIMENSIONS H/W/D		
		W/K	m3/h	dB(A)	V - ph - Hz	kg	mm		
XVH60003201000	Mec. Thermostat	60	650	68	230-150/60	16	1090	365	110
XVHA0003201000	Mec. Thermostat	100	900	68	230-150/60	28	1260	485	152
XVHA5003201000	Mec. Thermostat	160	1800	68	230-150/60	41	1260	600	152

CODE	CONTROL	SPECIFIC HEAT TRANSMISSION	AIR FLOW	NOISE LEVEL	POWER SUPPLY	WEIGHT	DIMENSIONS H/W/D		
		W/K	m3/h	dB(A)	V - ph - Hz	kg	mm		
XVH300P3121000	Active Probe	30	400	62	48VDC	15	840	255	90
XVH600P3121000	Active Probe	60	700	68	48VDC	16	1090	365	110
XVHA00P3121000	Active Probe	100	900	68	48VDC	28	1260	485	152
XVHA50P3121000	Active Probe	160	1800	68	48VDC	41	1260	600	152

CODE	CONTROL	SPECIFIC HEAT TRANSMISSION	AIR FLOW	NOISE LEVEL	POWER SUPPLY	WEIGHT	DIMENSIONS H/W/D		
		W/K	m3/h	dB(A)	V - ph - Hz	kg	mm		
XVH600B3121000	Electronic Board	60	700	68	48VDC	16	1090	365	110
XVHA00B3121000	Electronic Board	100	900	68	48VDC	28	1260	485	152
XVHA50B3121000	Electronic Board	160	1800	68	48VDC	41	1260	600	152

Optional: Keyboard ACTKPDC1010



Stulz\_XVH\_4p\_eng\_0411

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