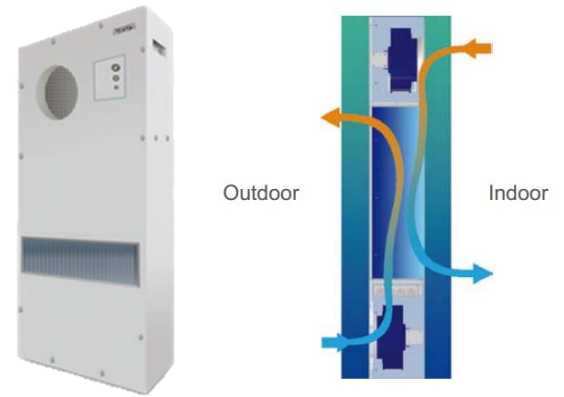


AIRSYS Televent

Air to Air Heat Exchanger for Cabinets: 100-300W/°C

Product Overview

- Stand Alone Air to Air Heat Exchanger designed for electronic equipment cabinet cooling
- Closed loop heat exchanger with automatic self-cleaning mode requiring no filter replacement and minimal maintenance
- 100% DC Powered with built-in thermostat, dry contact alarming, and remote monitoring through RS485



Optimized Efficiency



- Quieter, more efficient EC centrifugal fan offers highly favorable efficiency curve compared to conventional AC Fan
- Infinitely variable fan speed control continuously adjusts to precisely track the internal heat load for lowest energy usage



Exceptional Reliability

- State of the art components chosen for their industry leading quality and long term reliability
- Decades of experience with design and manufacture of Televent systems with tens of thousands of units shipped and installed worldwide

Features

Customizable Operation

Built-in thermostat with customizable operating and alarming parameters. One button test mode and self-cleaning mode to allow efficient onsite maintenance.

Remote Monitor/Control Options

Dry contact output available for

- Power Loss
- Low/High Temperature
- Fan Alarm
- Heater Alarm

Remote Monitoring and cleaning also available through RS485

Dual Layer Exterior Protection

Galvanized steel exterior coated with an additional layer of thermoset polymer provides two layers of protection against corrosion.

Extreme Temperature Range

Designed for operation between -49°F and 149°F ambient temperature with tolerance for up to 158°F for brief periods

Emergency Cooling

In the event that control board fails, heat exchanger will operate at max capacity if return temperature exceeds predetermined range.

Top Exhaust / Bottom Throw Design

Taking advantage of simple physics (hot air rises), the top exhaust, bottom throw design increases the temperature difference across the heat exchanger and increases overall system efficiency by as much as 15% when compared to bottom exhaust systems.



Partnered with

AIRSYS
Expert In ICT Cooling

Technical Data

Model Number	TELEVENT.100B	TELEVENT.200B	TELEVENT.300B
Mounting Options	Door mounted or Wall mounted		
Performance			
Sensible Capacity	100 W/°C	200 W/°C	300 W/°C
	190 Btu/°F	380 Btu/°F	570 Btu/°F
Sensible Capacity @ $\Delta T=10^{\circ}\text{C}/18^{\circ}\text{F}$	1000 W / 3412 Btu	2000 W / 6824 Btu	3000 W / 10236 Btu
	@ $\Delta T=15^{\circ}\text{C}/27^{\circ}\text{F}$	1500 W / 5118 Btu	3000 W / 10236 Btu
Nominal Power Consumption	160 W	240 W	380 W
Indoor Airflow	350 CMH / 206 CFM	1150 CMH / 677 CFM	1600 CMH / 942 CFM
Outdoor Airflow	350 CMH / 206 CFM	1150 CMH / 677 CFM	1600 CMH / 942 CFM
Heater	As Required	As Required	As Required
Electrical Data			
Nominal Power Supply	48 VDC	48 VDC	48VDC
Power Supply Range	40~57 VDC	40~57 VDC	40~57 VDC
Max Current (Heater Additional)	4A	6A	9.5A
Max Spike Voltage Survivability	1000 V	1000 V	1000 V
Operating Environment			
Normal Operating Temperature	-45°C/-49°F to 65°C/149°F		
Max Temporary Operating Temperature	70°C / 158°F		
External Operating Humidity	Up to 100% RH		
Water Resistance	Waterproof (up to 50mm/2in W.C. pressure)		
Ingress Protection Rating	IPX5		
Construction			
Exterior	Polymer Layered Aluminum or Galvanized Steel		
Heat Exchange Core	Epoxy Coated Aluminum		
MTBF			
Controls	≥ 10 years when operating at 50°C / 122 °F		
Fans	≥ 50,000 running hours when operating at 40°C / 104 °F		
Dimensions (Customizable as Required)			
Height	1240 mm / 48.8 in	1540 mm / 60.6 in	1640 mm / 64.6 in
Width	590 mm / 23.2 in	640 mm / 25.2 in	690 mm / 27.2 in
Depth	145 mm / 5.7 in	195 mm / 7.7 in	240 mm / 9.4 in
Weight	25 kg / 55 lbs.	35 kg / 77 lbs.	45 kg / 99 lbs.