

TELECOM COOLING SOLUTIONS

24x7x365, Reliable Heavy Duty Cooling

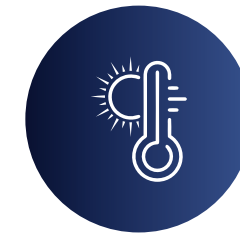
Non-Stop Cooling
Non-Stop Networks



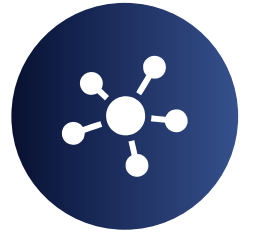
At **BYTEWORX**, we constantly endeavour to provide a seamless experience to our clients in the most progressive and technologically viable way possible. Since inception in the year 2014, we are expanding with each passing day in terms of gamut of services & solutions we offer, cost-effective solutions, via research & development of technically superior products. Our teams consists of industry experts holding vast experience and technical know-how of successfully undertaking large-scale projects.



Energy Efficient
Highest SEER-rated
AC/DC cooling systems



Tropical Ready
Performs in up to
55°C ambient temperature



Centralized Control
Control centrally through
RJ45 connectivity



Lowest OPEX
Cost Saving highest ROI
of approx. 18 months



Robust Design
IP55 protection, dust proof
& corrosion-resistant

Cooling Solutions



Telecom Cooling - Air Conditioner

BTS Shelter	6.
ICT Rack	7.
Cabinet (DC)	8.
Cabinet (AC)	9.
Combo Unit	10.



Telecom Cooling-Heat Exchanger

Heat Exchanger	11.
Heat Exchanger Core	12.

Industrial Cabinet Cooling -Air Conditioner

Air Conditioner	13-14.
-----------------	--------

OEM Tailor Design Solutions

Customized Solutions	15.
Case Sttudies	16.

Telecom Cooling-Air Conditioner BTS Shelter

Features

- Pure DC48V power driven with highest SEER efficiency rating.
- Widely deployed in extremely hot area like India, southeast Asia, Africa area.
- Suits hybrid power system cooling scenario perfectly by cutting operational cost and reaching lower OPEX requirement.

Power Supply	P/N	Model No.	Capacity	Dimension W/O flanges(mm)	Product Feature
48VDC	721010	ASZB-040-000-010	4000W	1000*315*215 765*530*280	Split/wall type
	721012	ASZB-043-000-012	4350W	1200*220*500 765*530*280	Split/Wall type
	721011	ASZB-050-000-011	5000W	1000*315*280 765*530*280	Split/ceiling type
	751010	AWZB-040-000-010	4000W	880*660*450	Package type



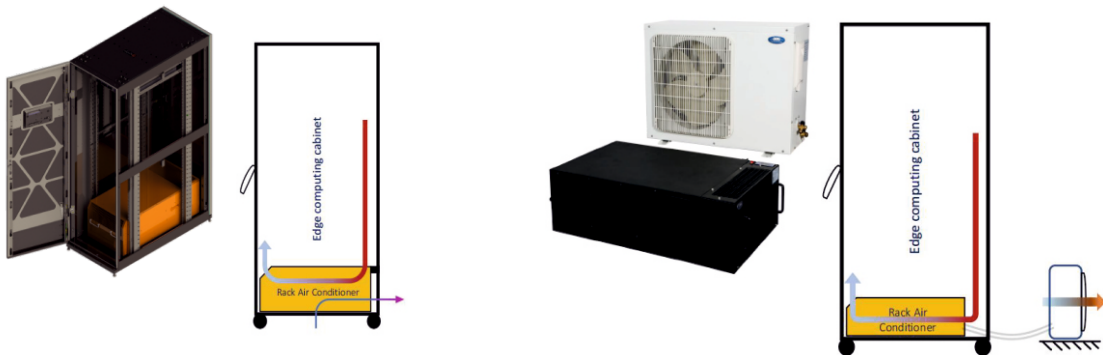
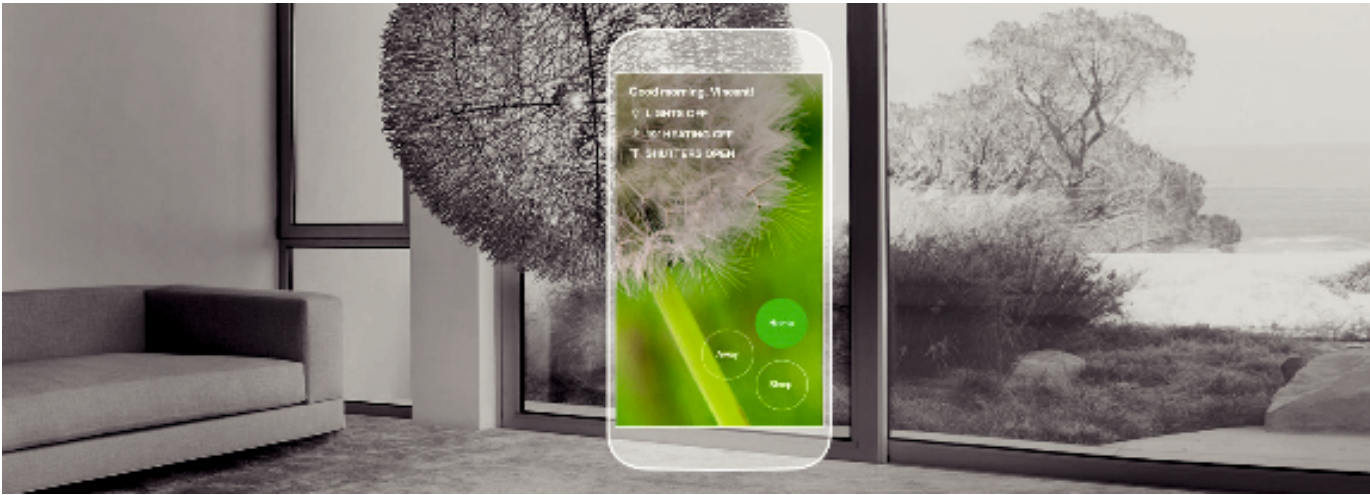
Telecom Cooling-Air Conditioner

ICT Rack

Features

- Power input: 230VAC, with inverter built in for compressor speed regulation, reaching highest SEER efficiency.
- Advanced humidity control logic which was approved by humid countries customers like Malaysia, Indonesia, Singapore etc.
- Meets edge computing cabinet applications perfectly.
- Precision control on temperature and humidity level to eliminate water condensation on the cabinet wall.
- Both package type and split type are available.

Power Supply	P/N	Model No.	Capacity	Dimension W/O flanges(mm)	Product Feature
230VAC	762010	ASZB-035-000-010	3500W	438*222*740	Split type
	762310	ASZB-035-000-0310	3500W	438*222*780	Split type
	762310	ASZB-035-000-0310	3500W	438*222*940	Package type



3.

Telecom Cooling- DC Air Conditioner

Cabinet

Features

- Rated power supply range:42~60VDC. Unit will stop/recover automatically when power supply out/in of rated range.
- Use R134A or R1234yf refrigerant as cooling gas for T3 (ambient up to 55 degree) environmental conditions.
- Smart control strategy with alarm output, temperature control & communication through MODBUS RTU protocol.

Power Supply	P/N	Model No.	Capacity	Dimension W/O flanges(mm)	Product Feature
48VDC	711010	ASZB-003-000-010	300W	400*240*150	CE
	711011	ACBZ-004-000-011	400W	400*375*135	CE
	711020	ACZB-006-000-020	600W	546*315*175	CE
	711021	ACZB-005-000-020	500W		CE
	711022	ACZB-008-000-022	800W		CE
	711030	ACZB-010-000-030	1000W	793*381*175	CE
	711041	ACZB-015-000-041	1500W	1112*412*175	CE
	711040	ACZB-020-000-040	2000W		CE
	711042	ACZB-025-000--042	2500W		/
	711045	ACZB-015-000-045	1500W	1150*485*225	UL
	711046	ACZB-020-000-046	2000W		UL
	711047	ACZB-025-000-047	2500W		UL
	711050	ACZB-030-000-050	3000W	1300*600*300	/
	711071	ACZB-040-000-071	4000W		CE
	711070	ACZB-050-000-070	5000W		CE
	711091	ACZB-015-000-091	1500W	745*445*200	CE
	711092	ACZB-020-000-092	2000W		CE

www.dbsindustry.com | 06



Product Actual Installation

4.

Telecom Cooling-AC Air Conditioner Cabinet

Features

- Uses environmental friendly refrigerant R134a or R1234yf.
- Compact product line is a mono-block unit with a plug and play feature ensures immediately set up also with flange design for convenient through-wall or cabinet door mounting.
- Closed loop cooling protects equipment from ambient environment, with adjustable indoor temperature set point from 20-40°C, ventilation not recommend any more since the system highest efficiency.
- Adaptable for T3 condition which up to 55°C tropical areas.

Power Supply	P/N	Model No.	Capacity	Dimension W/O flanges(mm)	Product Feature
230VAC	732010	AIYB-006-000-010	600w	546*315*175	CE
	732011	AIYB-006-000-011	600w		CE
	732020	AIYB-010-000-020	1000w		CE
	732021	AIYB-010-000-021	1000w	745*445*200	CE
	732030	AIYB-020-000-030	2000w		CE
	732031	AYIB-015-000-031	1500w		CE
	732032	AIYB-020-000-032	2000w		CE
	732033	AIYB-015-000-033	1500w		CE
	732120	AIYB-020-000-120	2000w		UL
	732121	AIYB-015-000-121	1500w		UL
	732122	AIYB-025-000-122	2500w		UL
	732040	AIYB-030-000-040	3000w	1150*485*225	CE
	732050	AIYB-050-000-050	5000w	1300*600*300	/
	732051	AIYB-040-000-051	4000w		/
	732110	AIYC-075-000-110	7000w	1400*650*400	/
	732311	AIYC-060-000-311	6000w	1150*485*435	/



Telecom Cooling-Combo Unit Cabinet

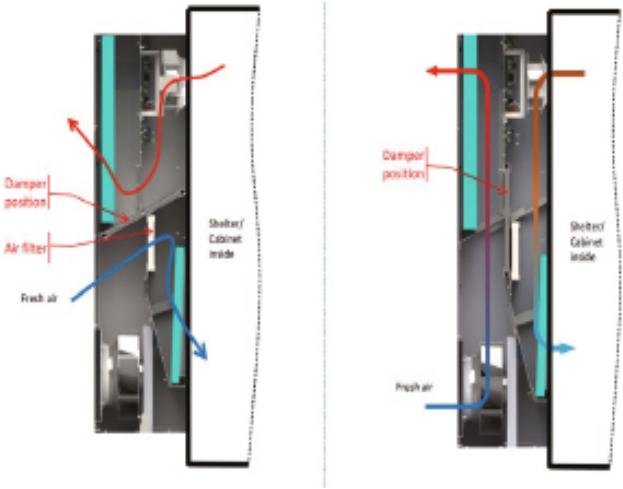
Features

- Combined active cooling and passive cooling (HEX or ventilation) is an economical and safe cooling system with extended lifetime (Incl. emergency HEX or ventilation cooling with DC power) the HEX/ventilation can be used during night and in case of low dissipation power and reduce on this way the running of compressor cooling, the reduction of energy consumption can reach up to 35%
- Active cooling by compressor got two power supply mode, either by 48VDC or 230VAC
- 50/60Hz passive cooling realized either by heat pipes or ventilation



Aircon & Hex Sectional View

Power Supply	P/N	Model No.	Capacity	Dimension W/O flanges (mm)
48VDC	311010	CHZB-010-000-010	1000 W & 50W/K	793*381*250
	311011	CHZB-010-000-011	1000 W & 60W/K	
	311020	CHZB-020-000-020	2000 W & 80W/K	1112*412*250
	311021	CHZB-020-000-021	2000 W & 80W/K	1112*412*250 no flange
	311030	CHZB-030-000-030	3000 W & 120W/K	1150*485*300
48VDC	321020	CVZB-010-000-020	1000W	1000*412*275
	321021	CVZB-020-000-021	2000W	
	321022	CVZB-015-000-022	1500W	
230VAC & 48VDC	316010	CHUB-010-000-010	1000W&50W/K	793*381*250
	316042	CHUB-020-000-042	2000W & 80W/K	745*445*250
	316041	CHUB-015-010-041	1500W&80W/K	
	316040	CHUB-015-010-040	1500W&70W/K	
	316030	CHUB-030-000-030	3000W&120W/K	1150*485*300
230VAC & 48VDC	316031	CHUB-030-015-031	3000W& 110W/K	1350*420*325
	326010	CVUB-035-000-010	3500W	
	326020	CVUB-015-000-020	1500W	
	326021	CVUB-020-000-021	2000W	



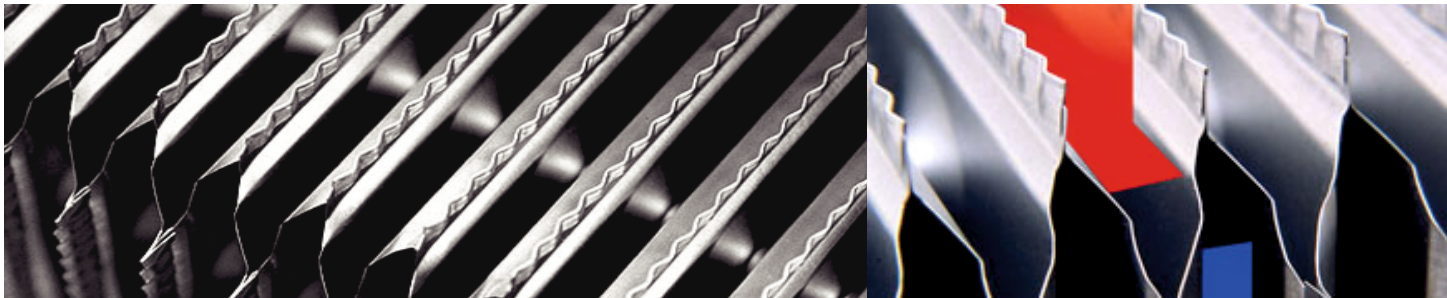
Aircon & Ventilation Sectional View

Telecom Cooling-Heat Exchanger Cabinet

Features

- Reliable, efficient and cheaper solution
- Cabinet inside climate is kept clean, dry and very comfortable condition, IP55 protected
- Less maintenance and less operational cost

Power Supply	P/N	Model No.	Capacity	Dimension W/O flanges(mm)
48VDC	511200	HCZA-060-000-200	60W/K	545*455*240
	511030	HCZA-120-000-030	120W/K	900*412*200
	511031	HCZA-150-000-031	150W/K	
	511033	HCZA-100-000-033	100W/K	
	511040	HCZA-180-000-040	180W/K	1245*518*251
	511041	HCZA-150-000-041	150W/K	
	511100	HCZA-260-000-100	260W/K	1360*620*240



7.

Heat Exchanger Core

Plate heat exchangers designed for air flows up to 10,000 m³ / h (60,00 CFM), achieve higher efficiency conforming to the European Ecodesign 2016 and 2018 standard

Design Feature

- Low pressure drop sheet profile
- In aluminum, acrylic protected aluminum or stainless steel
- Cross flow type mainly for ventilation, heat recovery, Counter flow type mainly for cabinet level cooling application
- Low installation and running costs, minimal maintenance

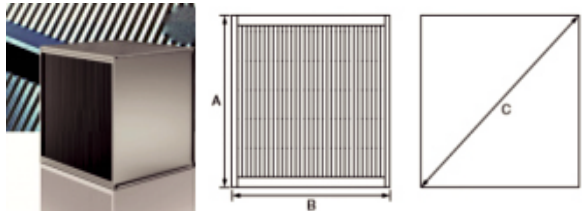
Application

- Swimming pool and Hospital and industry ventilation
- Air replacement with recovery
- Data Center non-contact evaporative cooling
- Heat recovery in very low energy consumption houses
- Pre-heating and pre-cooling in the air handling units
- Heatsink into Shelters and Cabinets of the telecom industry

Cross Flow Type

Model	A(mm)	B(mm)	C(45 angle mm)	Plate distance(mm)
200	200	max.600	282	2.0/2.5/3.0
300	300	max.800	424	2.0/2.5/3.0/4.0
400	400	max.800	565	3.0/4.0/5.0/6.0
600	600	max.1000	850	3.0/4.0/5.0/6.0

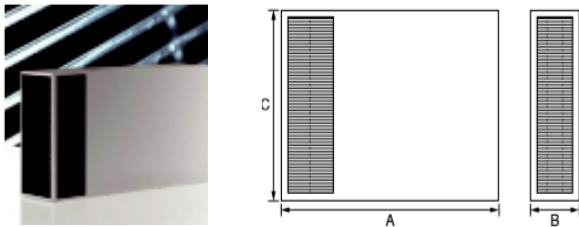
For further option please contact DBS



Counter Flow Type

Model	A(mm)	B(mm)	C(mm)	Plate distance(mm)
300	300	100/140	200-800	2.0/2.5/3.0
400	400	100/140		2.0/2.5/3.0/4.0
460	460	190		3.0/4.0/5.0/6.0
500	500	140		3.0/4.0/5.0/6.0
600	600	140/190/235		3.0/4.0/5.0/6.0

For further option please contact DBS



8.

Industrial Cabinet Cooling -Air Conditioner

Features

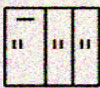
- For various industrial and mining enterprises, indoor equipment cooling and heat dissipation application, effective isolation: temperature changes, humidity, changes, salt spray changes, high corrosion application scenarios, escort for high-value equipment
- The internal refrigeration devices and pipelines are all protected by high anti corrosion electrophoresis or optional nano - specialized coating, anti-corrosion and self-cleaning function, which greatly improves the service life
- Absolute dehumidification and relative humidity control follow the trend intelligently, effectively controlling the relative humidity in the cabinet
- The inner /outer interface meets IP44+ protection level
- Outdoor side dustproof net plug-in design, easy to replace
- it has the functions, self- starting when incoming calls, and provides a variety of alarm and protection functions, It adopts Rs485 interface and passes international standards
- The MODBUS RTU protocol realizes the remote monitoring function of upper computer, and the alarm dry contact supports DC220V, AC250V
- R134a or R1234yf environmentally friendly refrigerant, ambient operating temperature up to 55 degrees



Automotive



Buildings



Data Centers



EV Charging



Food & Beverage



Manufacturing



Marine & Ports



Mining, Metals & Cement



Oil, Gas & Chemicals



Power



Pulp & Paper



Renewables



Transportation



Water & Wastewater

Industrial Cabinet Cooling -Air Conditioner

	Power Supply	P/N	Model No.	Capacity	Dimension W/O flanges(mm)
For General Cabinet	230VAC	732018	AIYB-006-000-018	600W	546*315*175
		732078	AIYB-010-000-078	1000W	793*381*175
		732039	AIYB-015-000-039	1500W	1112*412*175
		732038	AIYB-020-000-038	2000W	
		732049	AIYB-025-000-049	2500W	1150*480*225
		732048	AIYB-030-000-048	3000W	
For offshore cabinet C4 C5 corrosion resistant level	230VAC	732210	AIYB-020-010-210	2000W	950*400*280
		732220	AIYB-015-010-210	1500W	790*490*200
For food & corrosion application	230VAC	722010	ASYC-100-020-010	1000W	1500*600*300 924*900*320
For super- precision temperature control in manufacturing process	230VAC	732330	AYIB-020-006-330	2000W	1240*618*586
	380VAC	735320	AIVC-100-045-320	10000W	/
Others	380VAC	735020	AIVB-050-000-020	5000W	1300*500*300
		735030	AIVB-010-000-030	1000W	421*500*472
		735040	AIVB-007-000-040	700W	423*500*372
		735060	AIVB-050-000-060	5000W	1330*600*300

OEM Tailor Design Solutions

Philosophy To Follow

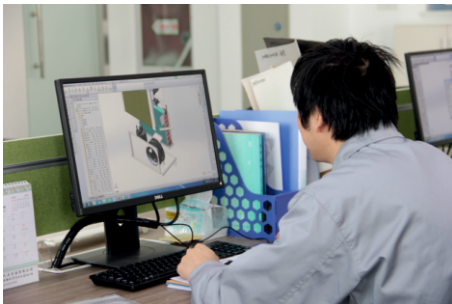
Follow:
Laws/ norms / Regulations / Rules

Using licensed:
Software /knowledge

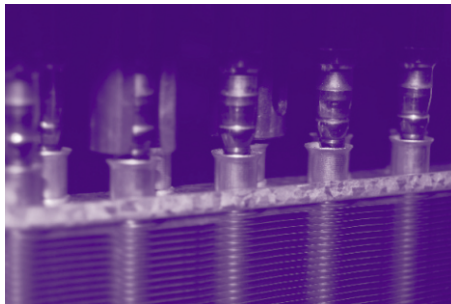
Respect to IPR

Respect to:
Quality technology/fact

Product Realization Capabilities



Product design



Tooling design and machinery design



Digital production capabilities

Case Studies



Nuclear Industry
Water-cooled Aircon



Chillers For Medical
Device



Aircon For Energy Storage
Battery Cabinet



Precision Aircon For Apple



In-row Aircon For
Germany Customer



Thailand Cabinet Project



Energy Storage Cabinets
In North America



Nissin Energy Inverter
Cabinet Cooling



Southern Power Grid Cooling



State Grid Cabinet Cooling



CUSTOM WRAPS INDIA PVT LTD.

12/74, 12/73, Pioneer Complex, Site-IV Industrial Area,
Sahibabad, Ghaziabad, Uttar Pradesh-201010
Phone No.: 0120-4129371, 4128625
Email: info@customwrapsindia.com
Web: www.customwrapsindia.com
CIN: U74999UP2021PTC149365