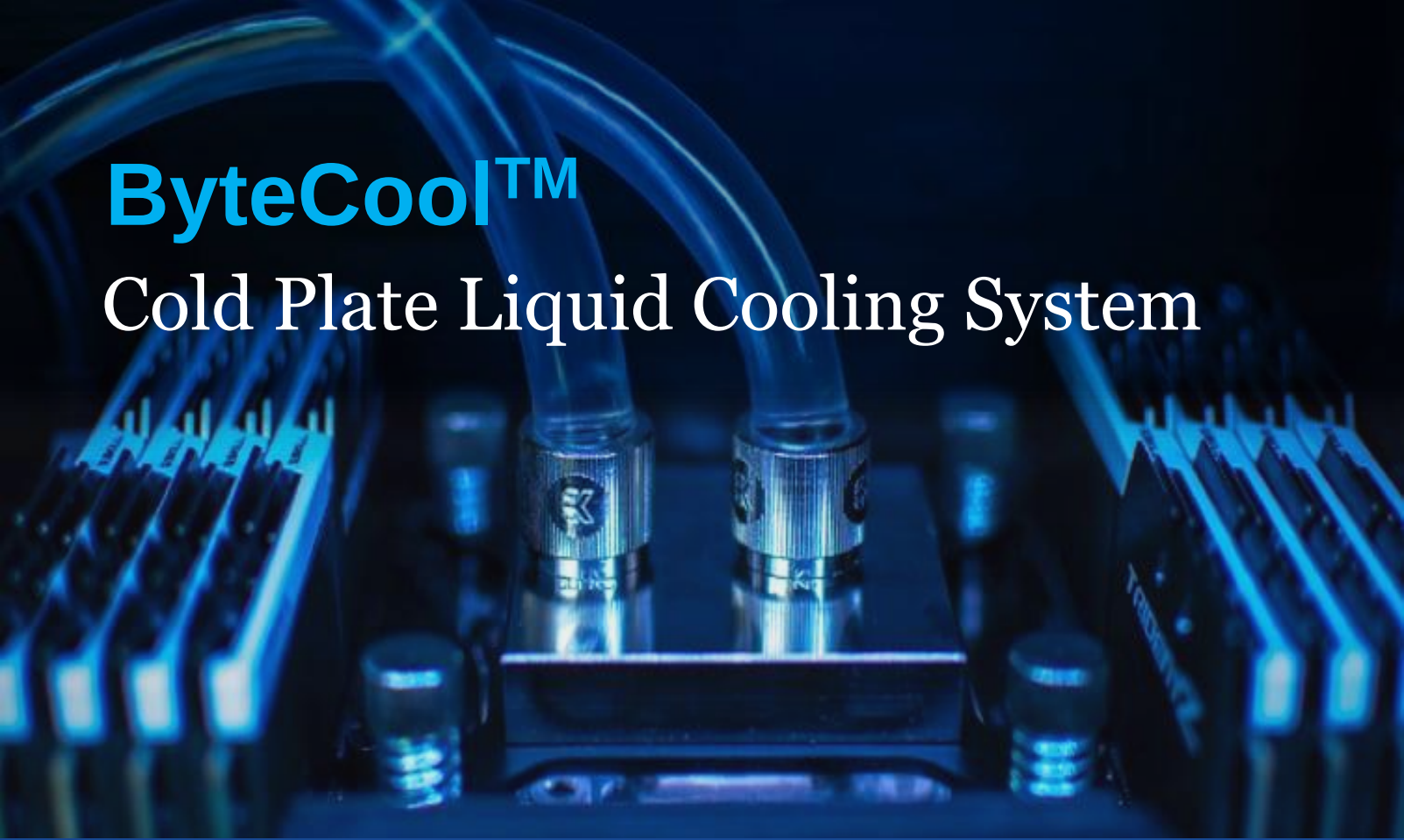

ByteCool™

Cold Plate Liquid Cooling System

> > Foundation of Digital Future

The one stop precision cooling solutions for you to build High Density, Efficient and Sustainable Data Centers.

ATTOM

Efficiency Prefabricated

The World Going Sustainable

We are standing at an important tuning point, where we need to use the most advanced and reliable technologies to build data centers into the Energy Efficient and Carbon Neutral way.

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Our Efficiency Approach

- Maximized Efficiency with Free Cooling
- Smart & Intelligent Control
- Full year 7x24 Uptime with hybrid working mode.
- Integration from Components to System

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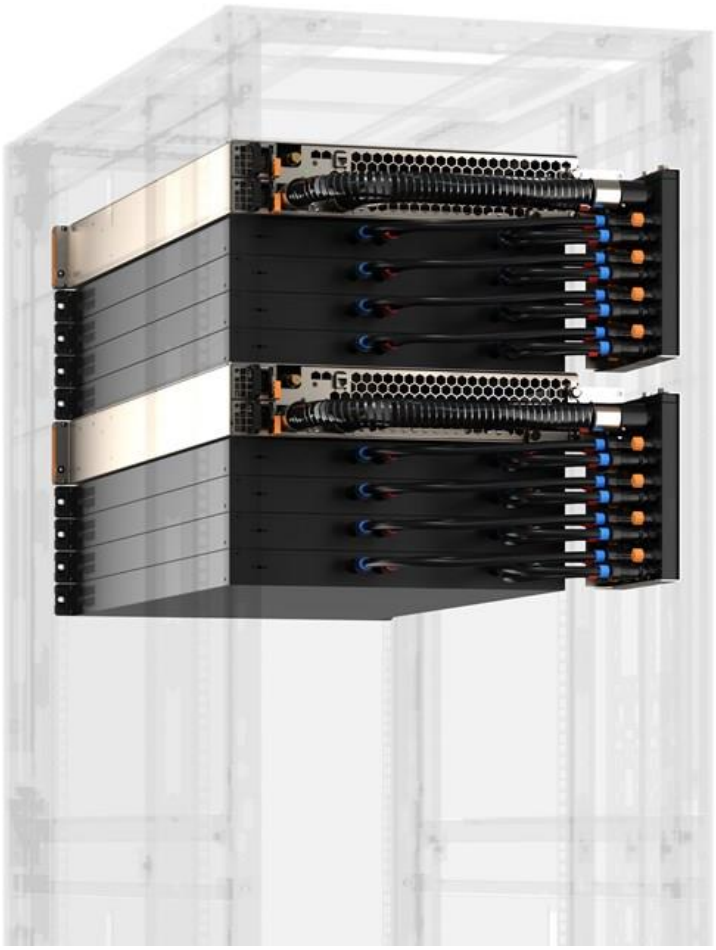
ByteCool™ Liquid Cool CDU

The high power density of water-cooled server systems presents a significant challenge for their cooling systems.

ByteCool™ water-cooling solutions is designed to integrate and optimize the heat exchange, flow distribution, pressure management, monitoring, and heat transfer of water-cooled server systems.

ByteCool™ system includes row-level/rack-mounted CDU units, fluid quick-connect manifolds, outdoor dry cooler units (optional), outdoor natural cooling chiller(optional), and monitoring management system (optional).



Row Type CDU

Rack Type CDU

Manifolds

Cold Plates

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ByteCool™ Liquid Cool CDU

TECHINCAL SPECIFICATIONS

MODEL	BT-050-CL	BT-350-CL	BT-010-CA	BT-060-CA
Cooling Type	Liquid-Liquid	Liquid-Liquid	Liquid-Air	Liquid-Air
Capacity - kW	50.0	355.5	10.5	55.2
Supply Temperature - C	45	45	45	45
Mount Type	Rack Mount	Floor Mount	Rack Mount	Row Mount
Dimension	435mm(W) x 990mm(D) x 6U(H)	600mm(W) x 1100mm(D) x 42U(H)	435mm(W) x 990mm(D) x 5U(H)	600mm(W) x 1100mm(D) x 42U(H)
Coolant	Water/Glycol	Water/Glycol	Water/Glycol	Water/Glycol
Power	220-240V/50-60Hz/1Ph	380-415V/50-60Hz/3Ph	220-240V/50-60Hz/1Ph	380-415V/50-60Hz/3Ph
FLA- A	2.4	8.4	3.2	4.5
Rated Power - kW	0.6	6.4	0.8	3.0
Primary Loop Temperature – C	15/20	15/20	-	-
Primary Loop Water Flow – l/m	54	370	-	-
Primary Loop Connection – mm	25	50	-	-
Return Air - C	-	-	24	24
Air Flow - m^3/h	-	-	680	5600
Monitoring Ports	Modbus-TCP, SNMP, Modbus-RTU, HTTP	Modbus-TCP, SNMP, Modbus-RTU, HTTP	Modbus-TCP, SNMP, Modbus-RTU, HTTP	Modbus-TCP, SNMP, Modbus-RTU, HTTP

Notes:

1、Customization is acceptable.

2、The technical data is to be changed without prior notifications.

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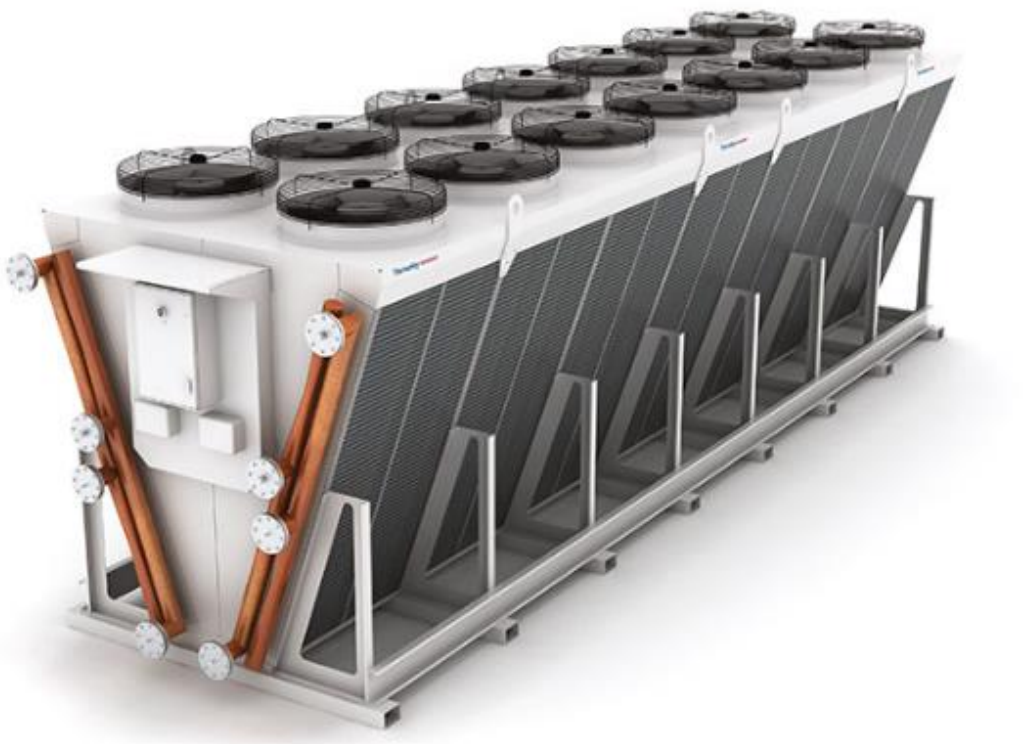
Dry Cooler

Product Description

The dry cooler solution is used to reject the heat from mining machines with water/glycol coolant.

Its safe and reliable comparing to open type cooling tower system.



Key Features

- High performance heat exchanger system maximizing efficiency.
- EC fan or VFD fan system modulating per ambient condition.
- High corrosion design suitable for long time durable applications.
- Top brands components of switchgears.
- Suitable for water, and water/glycol mixture for different ambient temperature.
- Optional wet-film system with evaporative cooling effects to pre-cool the air.

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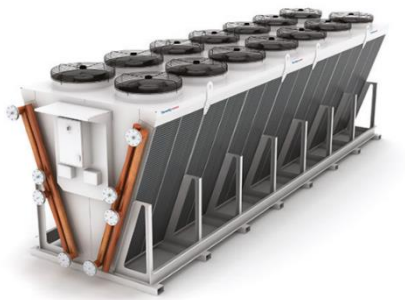
Dry Cooler

TECHINCAL SPECIFICATIONS



MODEL	KSF50DC	KSF350DC
Capacity –kW	50	350
Coolant	Water/Glycol	Water/Glycol
Fan Type	VFD	VFD
Working Range	-35C to +35C	-35C to +35C
Weight	~120 kg	~1050 kg
Wet-film Option	Optional	Optional

Notes:

1、Capacity based on 18/23 coolant temperature, and 5C ambient temperature.

2、Customization is acceptable.

3、The technical data is to be changed without prior notifications.

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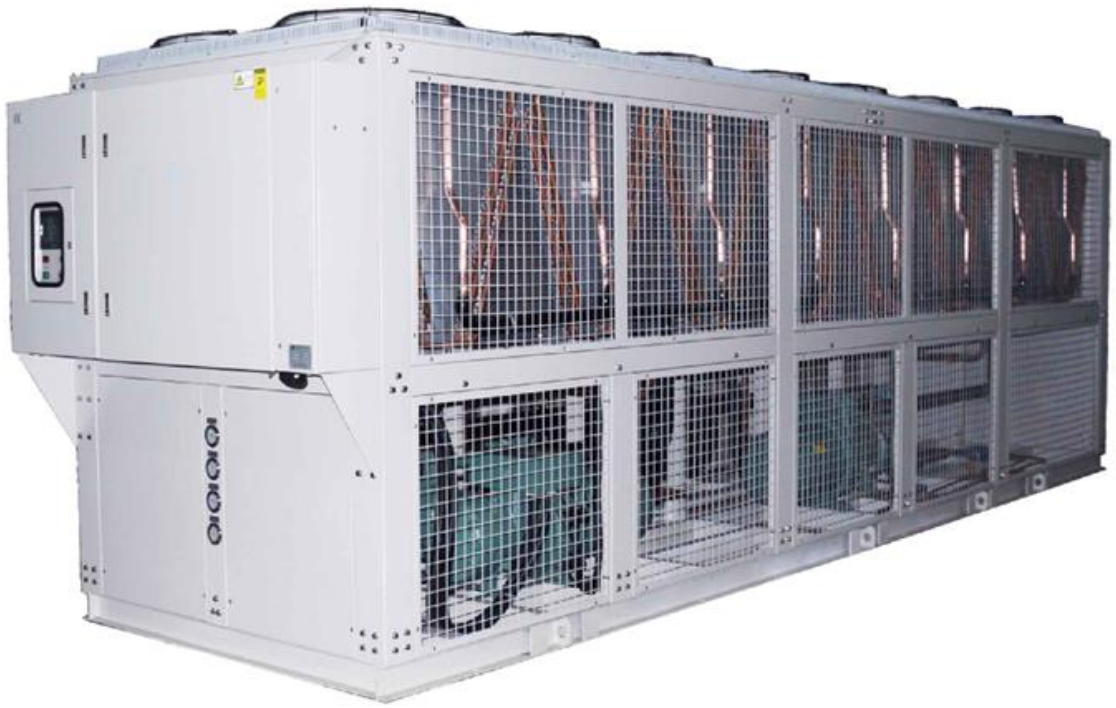
ChillFlow™ Free Cooling Chiller

Industry-leading air-cooled chiller units support free cooling functions in low-temperature environments, with built-in eco friendly and energy-saving components and intelligent control systems to ensure energy efficiency and reliable operation for data centers.



Product Features

- The unique natural cooling design operates in natural cooling mode at low temperatures, achieving low PUE data center design requirements.
- The efficient internal threaded pipeline provides efficient heat exchange.
- Through in-depth testing and repeated verification of system design and device configuration, the reliability of the equipment is ensured from components to systems.
- Compatible with water, water/ethylene glycol mixture, and supports reliable operation in different regions and environmental temperatures.
- Optional wet film evaporation cooling components pre-cool the intake air temperature, further improving the PUE value and system reliability.
- Uses environmentally friendly refrigerants R407C or R134a.

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ChillFlow™ Free Cooling Chiller

TECHINCAL SPECIFICATIONS

MODEL	CF-50	CF-350
Capacity DX Mode –kW	50	350
Capacity FC Mode –kW	52	390
Power Type	380-410V/3P/50-60Hz	380-410V/3P/50-60Hz
FLA –A	31.8	201
Water Flow –m3/h	8.6	60
Water Connection	40FLG	100FLG
Water Pressure Drop –kPa	67	98
Dimension	1050mm(L) x 2200mm(W) x 2400mm(H)	3260mm(L) x 2200mm(W) x 2400mm(H)
Weight –kg	548	4020
Wet-film	Optional	Optional

Notes:

1、DX mode is based upon 7/12C water, 35C ambient.

2、 FC mode is based upon 7/12C water/Glycol(35%), -5C ambient.

3、Customization is acceptable.

4、The technical data is to be changed without prior notifications.

One-stop Provider of Precision Cooling

Air Cool Platform

Rack Cool

- 3.9- 12kW Split type
- 3.5-5.5kW Package Type

Ceiling Cool

- 12- 36kW Split Type

Wall Cool

- 1.5- 30kW Package Type

Row Cool

- 5.6- 90kW Split Type
- 5.6 – 10.6kW Package Type

Room Cool

- 5.5- 120kW Split DX Type
- 26 – 280 kW CW Type

Liquid Cool Platform

Immersion Liquid Cool

- 10kW – 2MW immersion cooling tanks, dry coolers and water connection kits.

Cold-plate Liquid Cool

- 50kW – 350kW CDU, dry cooler, and water connection kits.

Efficiency Prefabricated

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We believe the world is being totally connected. The digital connections are creating smart intelligence and a better future.

We design and deliver green efficient data center infrastructure products to build foundation of digital future.

Contact us

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