

COOLING SYSTEM DATASHEET

SOETECK · LIQUID COOLING & CDUS

SoetecK Coolant Distribution Unit (CDU) for Liquid Cooling

Rack, floor and row-mount CDUs from 50 to 355.5 kW with 45 °C supply, liquid-to-liquid or liquid-to-air

SKU BT-CL

SoetecK



COOLING CAPACITY

up to 356 kW

CAPACITY

BT-050-CL: 50...

COOLING TYPE

Liquid-to-...

PRICE

On request**REQUEST A QUOTATION ONLINE**serverinvest.com/product/soetecK-water-cooling-system-cooling-distribution-unit...

01 Product overview

A coolant distribution unit (CDU) is the heart of a direct liquid cooling system: it circulates coolant to server cold plates, controls its temperature and transfers the heat to a facility water loop or to room air. The Soetek CDU range covers three form factors so liquid cooling can start at a single rack and scale to a full row.

It is used in AI and GPU clusters, HPC systems and high-density enterprise racks where air cooling alone can no longer remove the heat efficiently, and where reducing reliance on room air conditioning frees space for more compute.

Models and operation

BT-050-CL – 50 kW liquid-to-liquid, 6U rack mount, 0.6 kW rated power

BT-350-CL – 355.5 kW liquid-to-liquid, 42U floor-standing cabinet, 6.4 kW rated power

BT-060-CA – 55.2 kW liquid-to-air, 42U row mount with 5,600 m³/h airflow, for sites without facility water

All models supply coolant at 45 °C, a temperature high enough to allow natural (free) cooling for much of the year and to cut energy consumption. Liquid-to-liquid units use a 15/20 °C primary loop and keep the primary and secondary media separated, improving safety. Precise temperature control keeps IT hardware in a stable range, and water or glycol can be chosen to suit the site. Configurations can be customised.

ServerInvest sizes, supplies and integrates CDUs with liquid-ready Supermicro servers, racks, manifolds and power, and the full deployment can be mapped out in our 3D Room Builder.

HIGHLIGHTS

- Rack-mount 50 kW (6U), floor-mount 355.5 kW and row-mount 55.2 kW CDUs
- Liquid-to-liquid and liquid-to-air heat rejection options
- 45 °C coolant supply enables free cooling and lower energy use
- Isolates primary and secondary loops; water or glycol coolant
- Modbus-TCP, Modbus-RTU, SNMP and HTTP monitoring

KEY SPECIFICATIONS

Cooling type	Liquid-to-liquid / liquid-to-air
Mount type	Rack / floor / row
Coolant	Water / glycol
Supply temperature	45 °C
Capacity	BT-050-CL: 50 kW • BT-350-CL: 355.5 kW • BT-060-CA: 55.2 kW
Supply temperature	45 °C (all models)
Mount type	BT-050-CL: Rack mount • BT-350-CL: Floor mount • BT-060-CA: Row mount
Coolant	Water / glycol
FLA	BT-050-CL: 2.4 A • BT-350-CL: 8.4 A • BT-060-CA: 4.5 A
Rated power	BT-050-CL: 0.6 kW • BT-350-CL: 6.4 kW • BT-060-CA: 3 kW
Primary loop temperature	BT-050-CL / BT-350-CL: 15/20 °C
Primary loop water flow	BT-050-CL: 54 l/min • BT-350-CL: 370 l/min



02 Full specifications

OVERVIEW

Cooling type	Liquid-to-liquid / liquid-to-air
Mount type	Rack / floor / row
Coolant	Water / glycol
Supply temperature	45 °C

BT SERIES TECHNICAL DATA

Cooling type	BT-050-CL: Liquid-liquid · BT-350-CL: Liquid-liquid · BT-060-CA: Liquid-air
Capacity	BT-050-CL: 50 kW · BT-350-CL: 355.5 kW · BT-060-CA: 55.2 kW
Supply temperature	45 °C (all models)
Mount type	BT-050-CL: Rack mount · BT-350-CL: Floor mount · BT-060-CA: Row mount
Dimensions	BT-050-CL: 435 W × 990 D mm × 6U · BT-350-CL: 600 W × 1100 D mm × 42U · BT-060-CA: 600 W × 1100 D mm × 42U
Coolant	Water / glycol
Power	BT-050-CL: 220-240V/50-60Hz/1Ph · BT-350-CL: 380-415V/50-60Hz/3Ph · BT-060-CA: 380-415V/50-60Hz/3Ph
FLA	BT-050-CL: 2.4 A · BT-350-CL: 8.4 A · BT-060-CA: 4.5 A
Rated power	BT-050-CL: 0.6 kW · BT-350-CL: 6.4 kW · BT-060-CA: 3 kW
Primary loop temperature	BT-050-CL / BT-350-CL: 15/20 °C
Primary loop water flow	BT-050-CL: 54 l/min · BT-350-CL: 370 l/min
Primary loop connection	BT-050-CL: 25 mm · BT-350-CL: 50 mm
Return air (liquid-air)	BT-060-CA: 24 °C
Airflow (liquid-air)	BT-060-CA: 5600 m³/h
Monitoring ports	Modbus-TCP, SNMP, Modbus-RTU, HTTP

03 Engineered, delivered & supported by ServerInvest

Engineering & sizing

Selected and sized against your real IT load, room and redundancy targets.

Installation

Delivery, installation and commissioning by our engineers across Europe.

Certified processes

ISO 9001, ISO 14001 and ISO 27001 certified project delivery.

Service & support

Maintenance, spare parts and support from a single partner.



Interested in this solution?

Request a quotation online or talk to a solutions engineer — we reply within one business day.
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