

**Thermal Solution
For
High-Performance
Computing**



Product Roadmap

40mm Fan



4028/12V



4056/12V

2026

Q1

Q2

283mm/H²O

46CFM

73dBA

3.65A/43.8W

498mm/H²O

44.5CFM

77dBA

6A/72W

Product Roadmap

60mm Fan



6056/12V

2026

Q3

Q4

250mm/H²O

90CFM

83dBA

5.8A/70W

Product Roadmap

80mm Fan

2026

Q2

Q3



8056/12V

270mm/H²O
138CFM
83dBA

5A/60W



8080/12V

267mm/H²O
205CFM
92dBA

14A/168W

Side Car Cooling Solutions



Build-In SuperFluid Generator

Using air as a lubrication system to reduce the friction between the coolant and the cold plate heat sink fins during operation.



High Efficiency Microchannel Heat Exchanger

Directing the cooling medium into microchannels to rapidly carry away heat and achieve efficient thermal dissipation.



Smart Pressure Relief and Leak-Proof Design

Equipped with intelligent monitoring devices, it allows real-time understanding of the system's operating status and can immediately issue an alert upon detecting abnormal pressure.



Smart Control

It has multiple control functions, making it easy to monitor the speed and adjust the flow rate and temperature.



Side Car SPEC- 120KW

Model	SCS-012010_LA0
Dimension (W x D x H)	600*1200*2300 mm
Cooling Capacity	120KW
Coolant	PG25
Approach Temperature Difference (ATD)	10 °C
Air side temp. (in/out)	32°C / 41°C
Liquid side temp. (in/out)	54°C / 42 °C
Rated Air Flow	15,400 CFM
System Impedance	20 mmAq
Power Consumption	13kW
Pump	Redundant pumps (2+1)
Fan	14
Filter	200µm
Communication	Modbus RTU & TCP/IP & SNMP
Weight	500kg

Side Car SPEC-250KW

Model	SCS-025015_LA0
Dimension (W x D x H)	1200*1200*2400 mm
Cooling Capacity	250KW
Coolant	PG25
Approach Temperature Difference (ATD)	15°C
Air side temp. (in/out)	35/50
Liquid side temp. (in/out)	65/50
Rated Air Flow	33,000 CFM
Rated Fluid Flow	300 LPM
Power Consumption	35kW
Pump	Redundant pumps (1+1)
Fan	8
Filter	50µm
Communication	Modbus RTU & TCP/IP & SNMP
Weight	1500kg

In-Row CDU Thermal Solutions

High Volume & High Pressure Pump System

Best portfolio of pump and flow path and provide thermal solution for 1.4MW In-Row CDU

Hi Efficiency Heat Exchanger

Plate Heat Exchanger and reach ATD 6 °C through 2-way flow °

Smart Pressure Control & Leakage Proof Design

Carry smart monitoring device to understand and control the system operation

Smart Surveillance System

User friendly HMI to show real-time operation status, temperature, liquid flow, system pressure. Issue alert single and store historic operation data as required.



YS Tech In-Row CDU features high cooling capacity, modular flexibility, intelligent monitoring, redundant design, and high-efficiency management, making it a core component of modern high-density data center liquid cooling solutions.

In-Row CDU SPEC

Model	SCI-140006_LL0
Dimension (W x D x H)	1320*1200*2410 mm
Cooling Capacity	1.4MW
Coolant	PG25
Approach Temperature Difference (ATD)	6°C
Primary Side Liquid Temp. (in/out)	20°C / 30°C
Secondary Side Liquid Temp. (in/out)	36°C / 26°C
Secondary Side Rated Flow rate	1500LPM
Power Consumption	30 kW
Pump	Redundant pumps (3+1)
Primary Filter	500µm
Secondary Filter	200µm
Communication	Modbus RTU & TCP/IP & SNMP
Unit Dry Weight	1600kg
Unit Operating Weight	1800kg