

1 Rack

uneec®

X



Liquid to Air Sidecar Heat Rejection Unit

Technical Specifications

Dimension (W x D x H)	600 x 1200 x 2300 mm
Cooling Capacity	120 kW
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 Flow Rate	180 LPM
Pressure Head	3 Bar
Rated Air Flow	15400 CFM
System Impedance	20 mmAq
Power Input	3P AC 380V
Power Consumption	13 kW
Pump	Redundant Pumps (2 + 1)
Fan	14
Filter	200 µm
Communication	Modbus RTU & TCP/IP & SNMP
Weight	500 kg



OCP ORv3 MGX Rack

Technical Specifications

Model	ORV3 Rack (Customization)
Type	ORV3 with EIA Adaptor
Dimension (W x D x H)	600 x 1128 x 2286 mm
Weight	450 kg
Loading	> 1200 kg
Manifold	Customized



1 Rack



Air Assisted Liquid Cooling Rack

Technical Specifications

Type	EIA 310, 19"
Dimension (W x D x H)	600 x 1513 x 2048 mm
Cooling Capacity	50 kW
Coolant	PG25
Rated Flow Rate	60 LPM
Pressure Head	25 PSI
Rated Air Flow	15568 CFM
Power Input	380V/220V 3φ 4W + GND
Power Consumption	12.86 kW
Pump	2
Fan	14
Communication	Modbus RTU & TCP/IP & SNMP
Manifold	Customized
Weight	450 kg



Rear Door Heat Exchanger (RDHx)

Technical Specifications

Type	EIA 310, 19"
Dimension (W x D x H)	600 x 1513 x 2048 mm
Cooling Capacity	50 kW
Rated Flow Rate	60 LPM
Pressure Head	25 PSI
Rated Air Flow	15568 CFM
Power Input	380V/220V 3φ 4W + GND
Power Consumption	12.86 kW
Fan	14
Communication	Modbus RTU & TCP/IP & SNMP
Weight	450 kg

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Liquid to Liquid in Row CDU Heat Rejection Unit

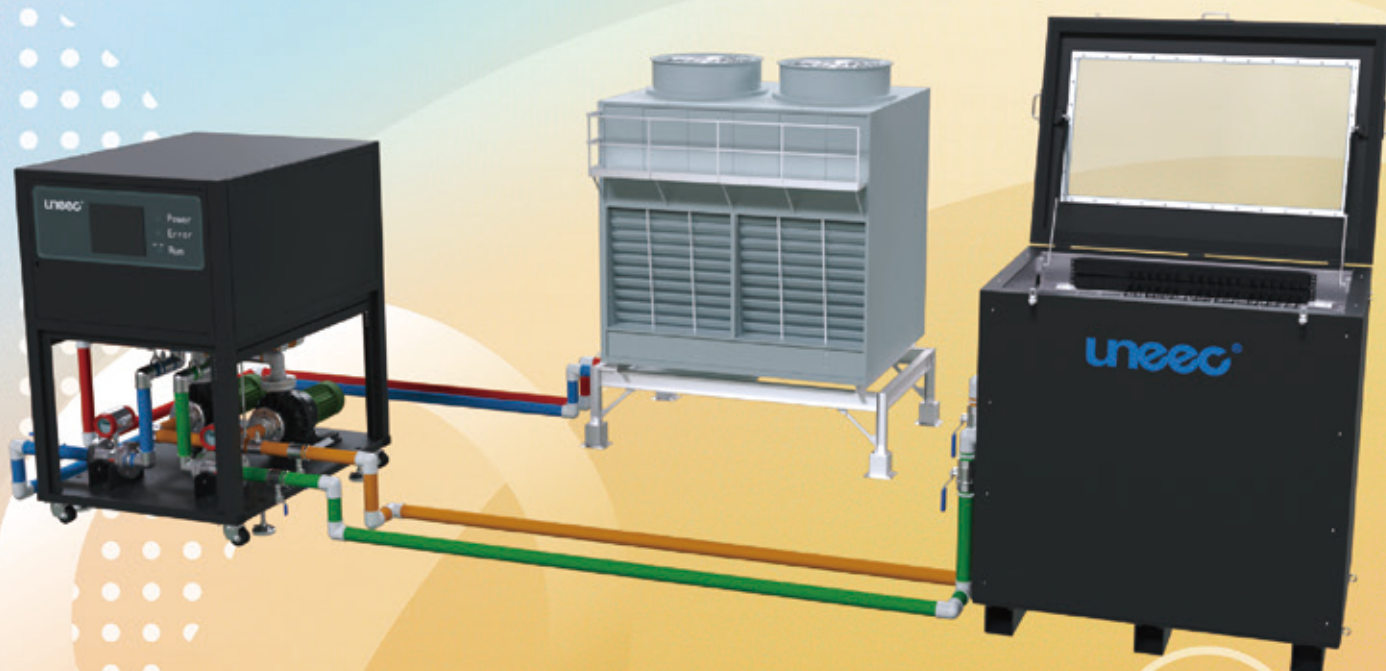
Technical Specifications

Model	YS-LC1400
Dimension (W x D x H)	1320 x 1200 x 2410 mm
Cooling Capacity	1.4 MW
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	1500 LPM
Pressure Head	10 Bar
Power Input	3P AC 380 V
Power Consumption	30 kW
Pump	Redundant pumps (3 + 1)
Primary Filter	500 µm
Secondary Filter	200 µm
Communication	Modbus RTU & TCP/IP & SNMP
Unit Dry Weight	1600 kg
Unit Operating Weight	1800 kg

Immersion Cooling (24U Tank)

Single Phase Immersion Cooling Solution

IT Gear Capacity	24 RU 850mm Max. Server Depth	PUE	1.02
Dimensions	1354(D) x 959(W) x 1389(H) mm	Monitoring Sensor	Thermocouple, Liquid Level Flow Meter
Material	SUS/SGCC	Managing Monitoring Functions	SNMP, Modbus
Coolant Volume	657L	Alarm	Thermocouple, Pressure Flow Meter, Pump
Coolant Capacity	80kW @ approach temp. 5°C	Ambient Air Temperature	5°C ~ 35°C
Coolant	Synthetic Oil	Power Supply	1P 220VAC 50/60Hz, IEC C20 Socket



8 Immersion Cooling

uneec® X intel X GIGABYTE™ X JWS X Castrol

Intel Targeted Flow Immersion Cooling Technology

Technical Specifications

Dimensions	4 RU 800mm Max. Server Depth
IT Gear Capacity (D x W x H)	915 x 942 x 1262 mm
Material	SUS/SGCC/SPCC
Coolant Volume	150 L
Cooling Capacity	7 kW @ air 25 °C/Coolant 45 °C CUP Heat Dissipation Enhanced by 300% Using Intel Targeted Flow Immersion Cooling Technology
Immersion Coolant	Castrol ON DC20
Manifold	SUS 304/Up to 8 Port (UNEEC)
Cold Plate	Al base + Al connector + Cu fin (JWS)
PUE	< 1.1
Monitoring Sensor	Thermocouple, Liquid Level & Flow Meter
Managing Monitoring	Temperature, Pump
Alarm	Temperature, Pump, Liquid Level
Ambient Air Temperature	-5 °C ~ 35 °C
Power Supply	220 V, 3Ø3 W, 50/60 Hz, 30 A



9 Coolant Distribution Manifold



10 Liquid Cooling Floating Module

