



HaganeRack
Network Cabinet Solutions

Close Rack Series

HaganeRack fully adheres to the excellent quality and reliability standards of the International, Compatible to every IT Equipment & Devices, Manufactured with All-steel built, Easy installation rack server, Easy organization and maintenance cables & equipment, Provides excellent airflow. Specially for Big/Macro Devices & Equipment. Seamlessly integrates important rack accessories such as Rack PDUs & Cable Management

Standard Close Rack 19" & 24"



Heavy Duty Close Rack 19" & 24"



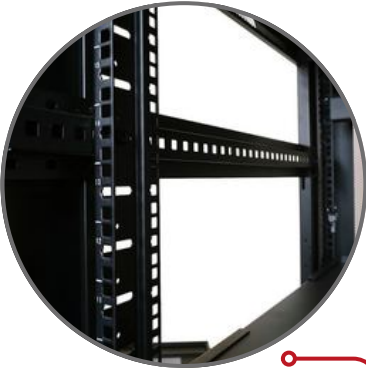
Static Load	800kg	1500kg
Equipment & Mounting Rails	Up To 19" Device / 19" Equipment	Up To 19" Device / 19" Equipment
Door Perforation	80%	80%
Shelf	Fixed Shelf (1) Unit Sliding Shelf (Optional)	Fixed Shelf (1) Unit Sliding Shelf (Optional)
Front Door	Perforated/Tempered Glass	Perforated/Tempered Glass
Rear Door	Perforated/Tempered Glass	Perforated/Tempered Glass
Side Door	Perforated	Full Cover
Top Plate	1 Entry Cable + 4 Fan Modular	5 Entry Cable + 4 Fan Modular
Bottom Plate	2 Entry Cable + Middle Grommet Spot	2 Entry Cable + Middle Grommet Spot
Locking	Handle Lock at Front Door & Rear Door	Handle Lock at Front Door & Rear Door
Power Distribution Unit Surge Protector 3 Meter Length	7 Outlets (16U, 18U, 20U, 22U, 28U) 12 Outlets (32U, 42U, 45U, 48U)	7 Outlets (16U, 18U, 20U, 22U, 28U) 12 Outlets (32U, 42U, 45U, 48U)
Casters & Adjustable Feets	4 Casters + 4 Adjustable Feets	4 Casters + 4 Adjustable Feets
Warranty	5 Years Electrical Parts	5 Years Electrical Parts

Size	Depth	Width
16U	900mm	19" / 24"
18U	600mm / 900mm	19" / 24"
20U	600mm / 900mm / 1200mm	19" / 24"
22U	600mm / 900mm / 1200mm	19" / 24"
28U	900mm	19" / 24"
32U	900mm / 1200mm	19" / 24"
42U	900mm / 1200mm	19" / 24"
45U	900mm / 1200mm	19" / 24"
48U	1200mm	19" / 24"

Close Rack Perforated Door

Top Part :

- 4 Fan Modular for Cooling Circulation Airflow
- Brush Panel Entry Cable



Structure Rack :

- Mounting 19" can be compatible to all IT equipment & device
- Precisely metric system



Security Lock :

- Safe security handle lock
- Push system to open



Side Door :

- Provides excellent airflow
- Toolless installation
- Easy install & re-install
- Side door with lock & push-pull latches



Vented Front & Rear Door :

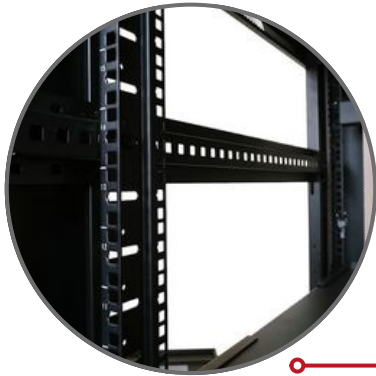
- Single mesh front door & Rear split door
- 80% perforation
- Wave bend door model
- Hexagonal perforated style

Bottom Part :

- Caster with stopper
- Adjustable Feet can levelling the height
- Grommet Hole Entry Cable

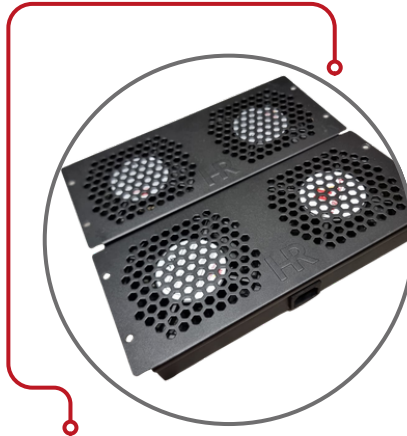


Close Rack Glass Door



Structure Rack :

- Mounting 19" can be compatible to all IT equipment & device
- Precisely metric system



Top Part :

- 4 Fan Modular for Cooling Circulation Airflow
- Brush Panel Entry Cable



Security Lock :

- Safe security handle lock
- Push system to open



Side Door :

- Provides excellent airflow
- Toolless installation
- Easy install & re-install
- Side door with lock & push-pull latches



Vented Front & Rear Door :

- Single Tempered Glass & Rear split door
- Edge vented front door
- Wave bend rear door
- Hexagonal perforated style



Bottom Part :

- Caster with stopper
- Adjustable Feet can levelling the height
- Grommet Hole for Entry Cable



Heavy Duty Series



Structure Rack :

- Mounting 19" can be compatible to all IT equipment & device
- Precisely metric system



2 Half Split Side Door :

- Toolless installation
- Easy install & re-install
- Side door with lock & push-pull latches



Bottom Part :

- Heavy Duty Castor
- Adjustable Feet can levelling the height
- Bottomless / Bottom Cover



Top Part :

- 4 Fan Modular for Cooling Circulation Airflow



Security Lock :

- Safe security handle lock
- Push system to open
- Unique Key System



Vented Front & Rear Door :

- Single mesh front door & Rear split door
- 80% perforation
- Wave bend door model
- Hexagonal perforated style

Wallmount Supreme Series

HaganeRack Wallmount Rack fully adheres to the excellent quality and reliability standards of the International, Compatible to every IT Equipment & Devices, Manufactured with All-steel built, Specially for Small/Micro Devices & Equipment.

	 Wallmount Rack Single Door	 Wallmount Rack Double Door
Static Load	60kg	60kg
Equipment & Mounting Rails	Up To 19" Device / 19" Equipment	Up To 19" Device / 19" Equipment
Edge Perforation	Yes	Yes
Shelf	Support Angle (1 Set) Included Fixed Shelf (Optional) Sliding Shelf (Optional)	Support Angle (1 Set) Included Fixed Shelf (Optional) Sliding Shelf (Optional)
Front Door	Tempered Glass	Tempered Glass
Rear Door	No	Yes
Side Door	Perforated	Perforated
Top Plate	1 Entry Cable + 1 Fan	1 Entry Cable + 1 Fan
Bottom Plate	1 Entry Cable + 1 Fan (Optional)	1 Entry Cable + 1 Fan (Optional)
Locking	Handle Lock at Front Door	Handle Lock at Front Door & Rear Door
Power Distribution Unit	7 Outlets Surge Protector	7 Outlets Surge Protector
Casters & Adjustable Feets	No	No
Warranty	5 Years Electrical Parts	5 Years Electrical Parts

Size	Depth	Width
4U	450mm	19"
6U	450mm	19"
8U	450mm / 600mm	19"
9U	450mm / 600mm	19"
10U	450mm / 600mm	19"
12U	450mm / 600mm	19"
15U	450mm / 600mm	19"



Structure Rack :

- Mounting 19" can be compatible to all IT equipment & device
- Precisely metric system

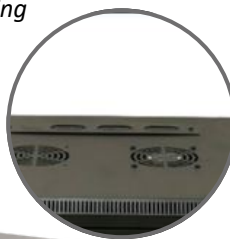


Security Lock :

- Safe security handle lock
- Push system to open

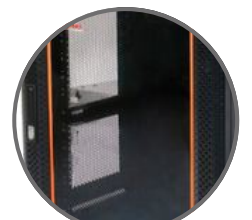
Brush Panel & Fan :

- Brush panel entry cable for easy management cabling
- Excellent airflow



Side Perforated Door :

- Toolless installation
- Easy install & re-install
- Side door with lock & push-pull latches



Front & Rear Door :

- Tempered glass door
- 180 degree open

Wallmount Project Series

HaganeRack fully adheres to the excellent quality and reliability standards of the International, Compatible to every IT Equipment & Devices, Manufactured with All-steel built, Easy installation rack server, Easy organization and maintenance cables & micro device & equipment.



Wallmount Rack Single Door

Static Load	60kg
Equipment & Mounting Rails	Up To 19" Device / 19" Equipment
Edge Perforation	Yes
Shelf	Support Angle (1 Set) Included Fixed Shelf (Optional) Sliding Shelf (Optional)
Front Door	Tempered Glass
Rear Door	No
Side Door	Perforated
Top Plate	1 Entry Cable + 1 Fan
Bottom Plate	1 Entry Cable + 1 Fan (Optional)
Locking	Handle Lock at Front Door
Power Distribution Unit	7 Outlets Surge Protector
Casters & Adjustable Feets	No
Warranty	5 Years Electrical Parts

Size	Depth	Width
4U	500mm	19"
6U	500mm	19"
8U	500mm	19"
9U	500mm	19"
10U	500mm	19"
12U	500mm	19"
15U	500mm	19"



Structure Rack :

- Mounting 19" can be compatible to all IT equipment & device
- Precisely metric system



Brush Panel & Fan :

- Brush panel entry cable for easy management cabling
- Excellent airflow



Side Door :

- Toolless installation
- Easy install & re-install
- Side door with lock & push-pull latches



Security Lock :

- Safe security cylinder lock



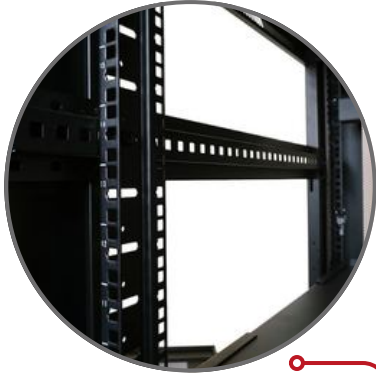
Front Door :

- Tempered glass door
- 180 degree open
- Flat model

Wallmount Double Door

Brush Panel & Fan :

- Brush panel entry cable for easy management cabling
- Prevent dust inside
- Excellent airflow



Structure Rack :

- Mounting 19" can be compatible to all IT equipment & device
- Precisely metric system



Security Lock :

- Safe security handle lock
- Push system to open
- Unique Key System



Side Perforated Door :

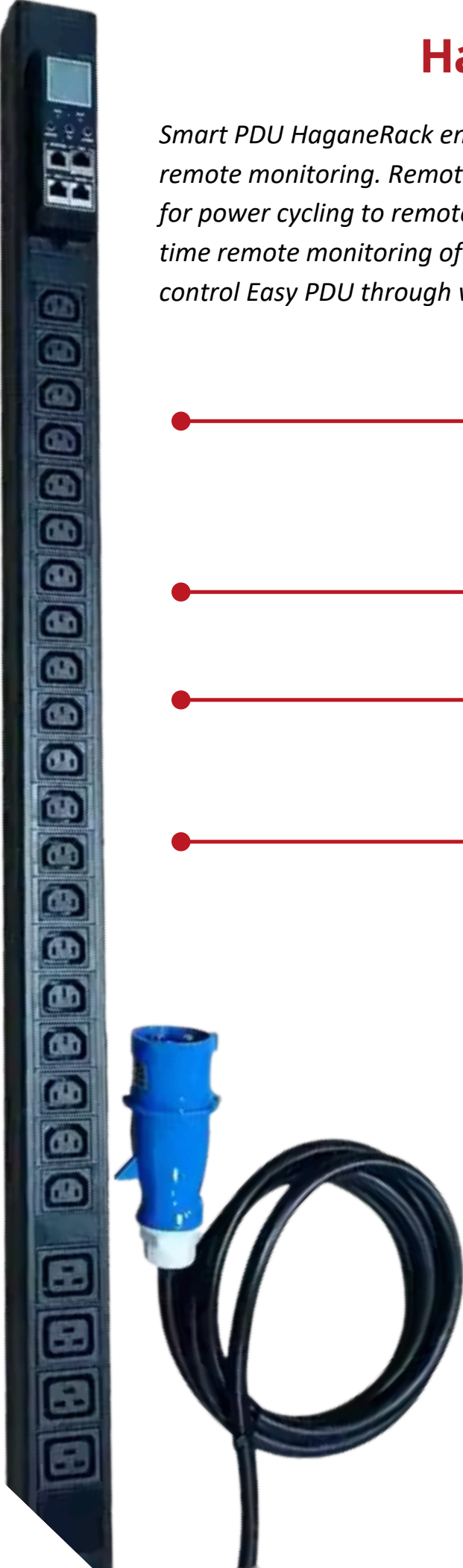
- Toolless installation
- Easy install & re-install
- Side door with lock & push-pull latches



Front & Rear Door :

- Tempered glass door
- 180 degree open
- Rear door can be open

Smart PDU HaganeRack enable user to customizable power management and remote monitoring. Remote outlet level controls allow power on/off functionality for power cycling to remotely reboot equipment. Current metering provides real-time remote monitoring of connected loads . Users can access, configure, and control Easy PDU through web interface [https/http](https://http), SNMPV1/V2/V3., RS485



Outlet PDU :

- Can be customized and combined as request C13, C15, C19, and C21
- 8 / 12 / 16 / 18 / 24 / 32 / 42 / 48 Outlets PDU

Fast & Flexible :

- Toolless mounting with gourd hook

Power Meter :

- Measure Accurately of power uses
- Up to 63A with 3/5 Cores Industrial Plug
- Up to 3 Phase with 3L Surge Protector

Monitor & Network :

- Remote network management
- Cascade management
- RS485
- SNMP v1 v2 v3
- Monitor input voltage (V)
- Monitor total load current (A)
- Monitor total power (kW)
- Monitor energy consumption (KWH)
- Monitor total power factor
- Multiple output options
- Voltage threshold setting
- Current threshold setting
- USB Port
- Temperature and humidity sensor (Optional)
- Water Leakage (Optional)
- Industrial Plug 3cores or 5cores

Data Center Aisle Containment Series

Smart Aisle Containment Data Center

HRA-CAC60 / HRA-SCAC60

HRA-CAC80 / HRA-SCAC80



Cold Aisle Containment is an advanced airflow management solution designed to isolate the cold supply air in data centers. By enclosing the cold aisle between rows of server racks, this system ensures that chilled air is efficiently directed to IT equipment intakes, preventing it from mixing with hot exhaust air.

Ideal for medium to large data centers, Cold Aisle Containment significantly improves cooling efficiency, reduces energy consumption, and supports higher rack densities. Available in modular or custom-built configurations, this system can be integrated with existing infrastructure to maximize thermal performance and compliance

Benefits:

- Enhanced cooling efficiency and airflow control
- Reduced operational costs and carbon footprint
- Improved equipment reliability and lifespan
- Scalable design for future expansion

Features:

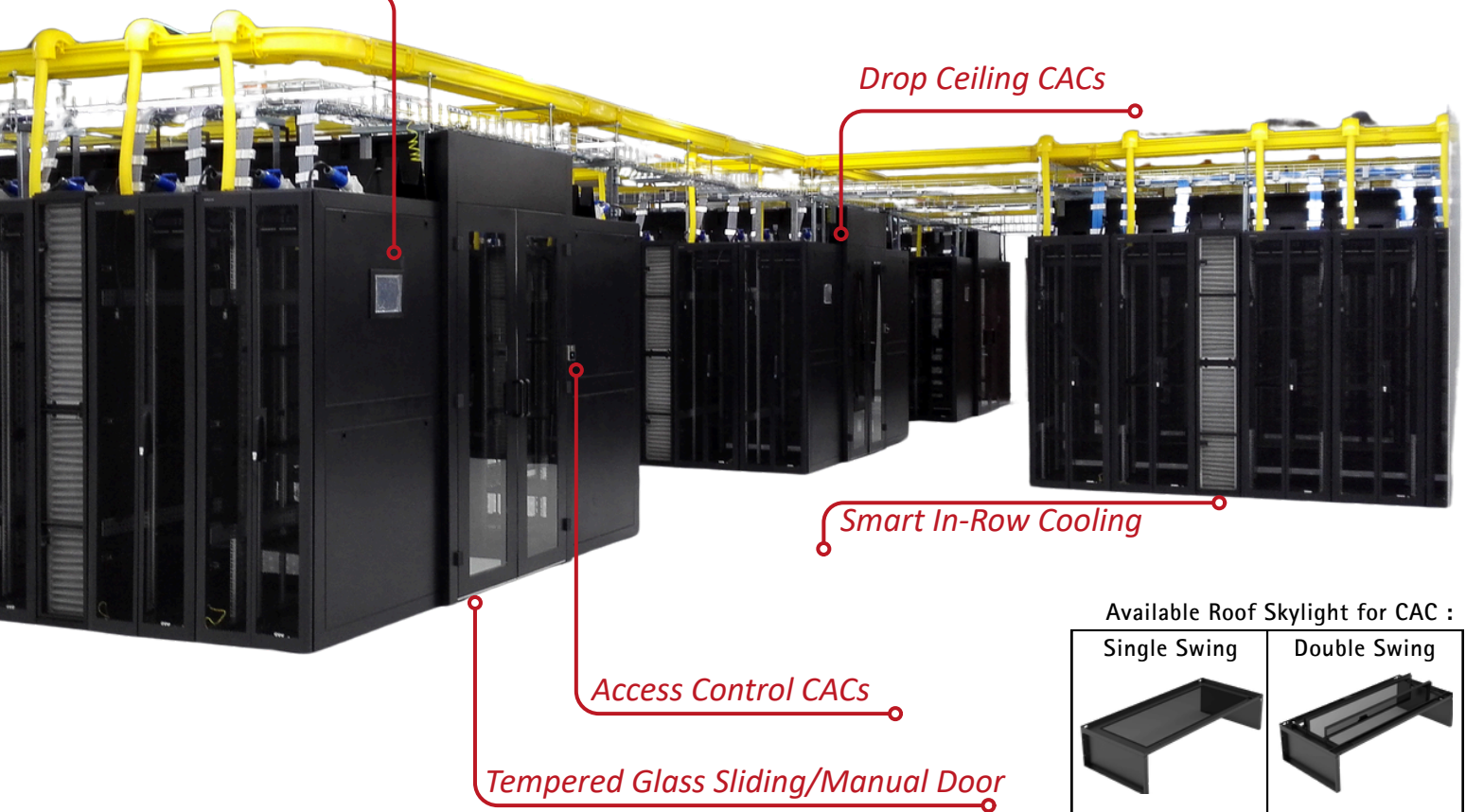
- Monitor Controller Power Environment System
- Access Control Face Recognition , Fingerprint & Touchless Button Exit
- Drop Ceiling (have manual release button)
- Lamp Motion Sensor Each Row
- Motorized Frameless Sliding Door with Anti-Pinch Safety Sensor
- Aisle Containment Integrated with Fire Suppression System & DCIM

Cold Aisle Containment

Smart Monitor Controller System



Power Environment System



Available Roof Skylight for CAC :

Single Swing

Double Swing



Data Center Aisle Containment Series

Smart Aisle Containment Data Center

HRA-CAC60 / HRA-SCAC60

HRA-CAC80 / HRA-SCAC80

HaganeRack Hot Aisle Containment

Hot Aisle Containment (HAC) is Data Center Cooling Efficiency Solution and thermal management strategy used in modern data centers to optimize cooling efficiency and maintain equipment performance. In a HAC setup, rows of server racks are arranged back-to-back, with the hot air exhausts facing each other. This creates a “hot aisle” that is enclosed using physical barriers such as doors, walls, and overhead panels.

By containing the hot air, HAC prevents it from mixing with the cold air in the rest of the room. This separation allows the cooling system to operate more efficiently by directing chilled air only where it's needed and improving the return air temperature to the CRAC (Computer Room Air Conditioning) units.

Benefits:

- Improved energy efficiency and reduced cooling costs
- Increased cooling capacity without additional infrastructure
- Better control over airflow and temperature zones
- Enhanced equipment reliability and lifespan

Features:

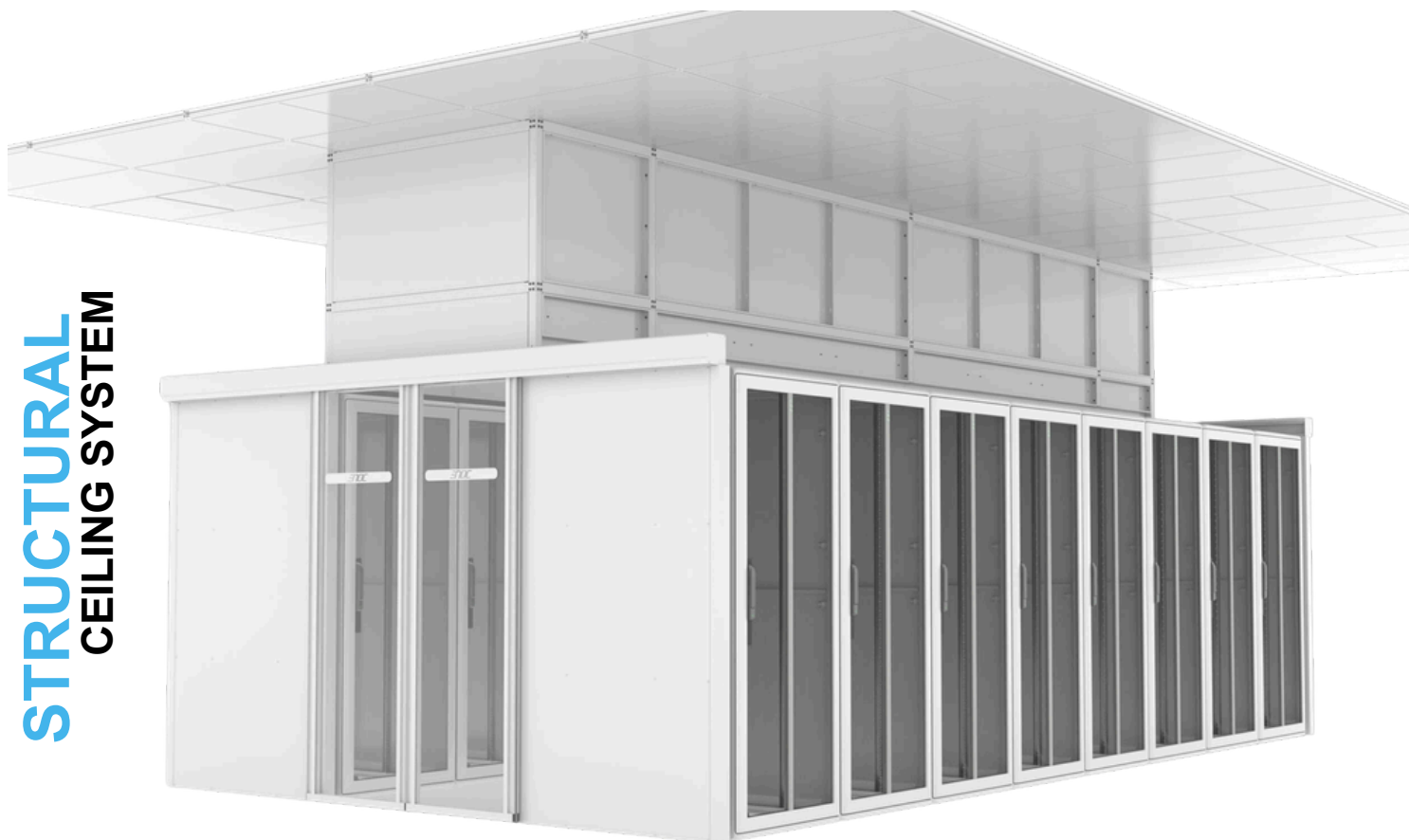
- Monitor Controller Power Environment System
- Access Control Face Recognition , Fingerprint & Touchless Button Exit
- Ceiling Grid System Anti-Seismic
- Lamp Motion Sensor Each Row
- Motorized Frameless Sliding Door with Anti-Pinch Safety Sensor
- Aisle Containment Integrated with Fire Supression System & DCIM

Hot Aisle Containment

AI SLE CONTAINMENT



STR UCTURAL CEILING SYSTEM



Data Center Cooling Series

Data Center Cooling Series – InRow Cooling

In-Row Smart Cooling Data Center

IRC10, IRC25, IRC30, IRC40, IRC50, IRC60 Direct Expansion

Introduction

InRow Cooling Direct Expansion (DX) is a precision cooling solution designed specifically for high-density data center environments. Unlike traditional room-based air conditioning, the InRow system is installed directly between server racks, bringing cooling closer to the heat source for maximum efficiency and performance.

InRow DX systems are ideal for modern data centers requiring scalable, modular, and high-efficiency cooling. With features such as intelligent controls, variable speed fans, and precise humidity management, they provide reliable thermal management while optimizing operational costs.

Application

Single rack with power larger than 3kW
High Density Server
Modular DC
Container type DC
DC with low PUE
Hot spot reconstruction

Features

Advanced team work function, Up to 16 remote temperature/humidity sensors
Standard RS485 communication interface, optional SNMP and TCP/IP interfaces
ATS Power Optionally
Water Leakage 5 Meter
Wet Film Humidifier
7inch touchscreen monitor
Airflow Sensor
Shutdown via Fire Alarm Signal
Dry contact for General Alarm
Modbus RTU protocol for system integration
Saving 20%–30% energy compared to traditional AC motor
Soft-startup function, Low startup current
Adjust rotary speed automatically according to cooling requirements and airflow pressure, and provide airflow required
N+1 redundancy configuration of fans, ensure the airflow in case of any fan fault
Easy-maintenance designed
Adjust the throttle of valve smoothly to save the energy
Wide range of operations, which can help reduce the superheat degree and improve EER
Realize cooling capacity and heat load precise matching
Quick response, realize the precise cooling



Inrow Cooling Data Center

Type	IRC10	IRC25	IRC30	IRC60
Cooling Specification :				
Cooling Capacity (kw)	13.2	26.7	32.5	63.9
Sensible Cooling (kw)	13.2	26.7	32.5	63.9
Maximum Operation Current	24	41	41	59
Compressor :				
Model	Inverter Compressor	Inverter Compressor	Inverter Compressor	Inverter Compressor
Refrigerant	R410A	R410A	R410A	R410A
Fan :				
Type	EC Centrifugal Fan	EC Centrifugal Fan	EC Centrifugal Fan	EC Centrifugal Fan
Total Fan	4	5	2	3
Air Volume (m3/h)	3200	5000	6600	12500
Heater :				
Type	PTC	PTC	PTC	PTC
Capacity (kw)	2	3	6	6
Class	1	1	1	1
Humidification :				
Type	Electrode type	Electrode type	Electrode type	Electrode type
Capacity (kg/h)	1.5	3	3	3
Air Filter	G4	G4	G4	G4
Connection Size :				
Humidifier inlet pipe (in)	G1/2	G1/2	G1/2	G1/2
Drain Pipe Φ (mm)	19	19	19	19
Gas Pipe Φ(mm)	15.88	19.05	19.05	22
Liquid Pipe Φ (mm)	9.52	15.88	15.88	19.05
Weight & Dimension :				
Weight	190 kg	230 kg	280 kg	330 kg
Dimension	300*1200*2000	300*1200*2000	600*1200*2000	600*1200*2000

Note:

Standard working conditions: indoor return air dry bulb temperature 37°C, relative humidity 24%, outdoor dry bulb temperature 35°C;

Air Cooled Condensor :

Power Supply	220Vac/1Ph/50Hz	220Vac/1Ph/50Hz	220Vac/1Ph/50Hz	220Vac/1Ph/50Hz
Fan	2	1	2	3
Speed Mode	Stepless Speed	Stepless Speed	Stepless Speed	Stepless Speed
Dimension Condensor WxDxH	960*390*1270	1315*1165*545	2025*1015*520	2625*1165*545
Weight Condensor	65kg	115kg	156kg	252kg



Data Center Cooling Series – DCCool120D

In-Room Smart Cooling Data Center

DCCool30iD/U, DCCool45iD/U, 60iD/U, 90iD/U, 100iD/U 120iD/U (Indoor unit)

DCCool30oD/U, DCCool45oD/U, 60oD/U, 90oD/U, 100oD/U 120oD/U (Outdoor unit)

Introduction

DCCool120D are designed for data centers and server rooms of any size. In-room air-cooled smart cooling solution consisting of indoor and outdoor unit. It is flexible for expansion, matching heat load intelligently. Construct a precision management and intelligent system, building an efficient, reliable and simple data center.

Features

- EC fans in the indoor unit
- Electronic TXV (Thermostatic Expansion Valve)
- Phase monitoring relay
- G4 filter + filter sensor
- Dry contact for "General Alarm"
- High-pressure relay
- Solenoid valve and sight glass on the liquid line
- Compressor crankcase heater
- Built-in time card
- Modbus RTU protocol for system integration
- Inlet air temperature/humidity sensors
- Airflow sensor
- Shutdown via "Fire Alarm" signal
- Shut-off valves on liquid and discharge lines
- Low-pressure relay
- 7-inch touchscreen
- Outdoor unit with fan speed control
- Insulated Sound Rack



DCCool120iD



DCCool120oD

Application

- Modular data center
- High power density data center
- Small and medium scale data center
- UPS and battery room

Specification

Indoor Unit	Unit	DCCool30D/U	DCCool45D/U	DCCool60D/U	DCCool90D/U	DCCool100D/U	DCCool120D/U
Airflow	-	Downflow/Upflow	Downflow/Upflow	Downflow/Upflow	Downflow/Upflow	Downflow/Upflow	Downflow/Upflow
Total Cooling Capacity	kW	30	45	60	90	100	120
Sensible Cooling Capacity	kW	27	41	54	81	91	106
Air Flow Rate	m ³ /h	9.200	12.500	16.000	25.600	28.000	31.000
Power Supply	V/Ph/Hz	380/400/415Vac, 3Ph+N+PE, 50/60Hz					
Heating Capacity	kW	6	9	9	9	15	15
Humidifier Capacity	kg/h	5	8	13	13	13	13
Dimension: W × D × H	mm	890 × 983 × 1975	1115 × 983 × 1975	1740 × 983 × 1975	2190 × 983 × 1875	2190 × 983 × 1875	2190 × 983 × 1875
Net Weight	kg	374	475	693	757	768	772

Note:

- Nominal condition: indoor return air 35°C/ 26%RH, outdoor 35°C.
- Heating and humidification are optional.
- DCCool45D and DCCool60D is a single system unit. DCCool90D, DCCool100D and DCCool120D is a dual system unit.

Specification

Outdoor Unit	Unit	DCCool30D/U	DCCool45D/U	DCCool60D/U	DCCool90D/U	DCCool100D/U	DCCool120D/U
Power Supply	V/Ph/Hz		Power Supply From Indoor Unit				
Liquid Pipe OD	in	5/8	5/8	5/8	5/8	5/8	5/8
Gas Pipe OD	in	7/8	7/8	7/8	7/8	7/8	7/8
Dimension: W × D × H	mm	2025 x 520 x 1065	2325 x 545 x 1165	2025 x 520 x 1065 (2)	2325 x 545 x 1165 (2)	2425 x 545 x 1165 (2)	2625 x 545 x 1165 (2)
Net Weight	kg	156	156	200	206	213	252

Note:

- The pipe diameter is only for reference, it maybe change in actual project..

General Disclaimer

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