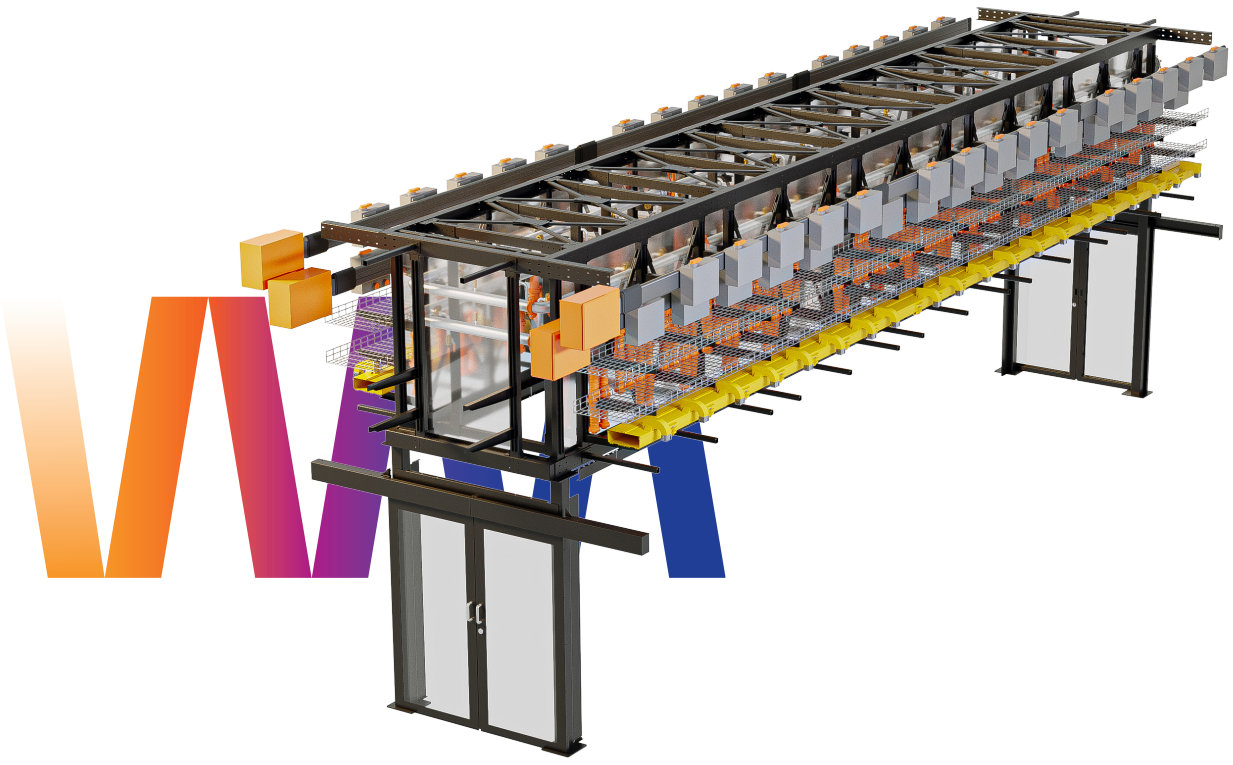
VERTIV.

Product brochure

Vertiv™ SmartRun

Integrated overhead IT solution



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About Vertiv

Vertiv (NYSE: VRT) brings together hardware, software, analytics and ongoing services to enable its customers' vital applications to run continuously, perform optimally and grow with their business needs. Vertiv solves the most important challenges facing today's data centers, communication networks and commercial and industrial facilities with a portfolio of power, cooling and IT infrastructure solutions and services that extends from the cloud to the edge of the network.

VRT
LISTED
NYSE

Headquartered in Columbus, Ohio, USA, Vertiv does business in more than 130 countries. For more information, and for the latest news and content from Vertiv, visit Vertiv.com.

Vertiv infrastructure solutions at-a-glance

Vertiv Infrastructure Solutions offers you comprehensive support for designing data centers, utilizing the entire Vertiv product lineup to deliver seamlessly integrated solutions. By combining our extensive portfolio and expertise, we create prefabricated and modular solutions tailored both for AI and traditional data centers. With a platform-based approach, we eliminate the challenges of selecting individual products and managing on-site integration, enabling you to build an efficient, resilient, and future-ready data center infrastructure.

Gobal presence with localized volume manufacturing facilities

Simplified and Scalable assembly for straightforward on-site installation

Full owners of the process from design to onsite installation

High quality Factory Integration with schedule and cost certainty

Energy Efficient Design allows for lower site PUE and reduced environmental impact while controlling costs

Vertiv Infrastructure Solutions bring over two decades of experience in deploying prefabricated and modular solutions across the world to different industries and customer profiles.

Accelerating Deployment Cycles	• Repeatable factory-integration to reduce deployment **up to 50% and 50% less on-site work (including commissioning)** • Global supply-chain and service delivery footprint
Maximizing Building Blocks & Space Optimization	• Modular and hybrid solutions in multi-MW sizes • Module design-practice **unlocks up to 30% space**
Reduce Field Work and Improve Build Quality	• Productizing non-repeatable field work in the factory, improving build-quality and **customer's total cost of ownership up to 25%**

Scan QR code and visit **Vertiv Infrastructure Solution** page.

Vertiv™ SmartRun: simplifying overhead infrastructure for modern data centers

Vertiv™ SmartRun is a prefabricated overhead infrastructure solution engineered to accelerate deployment, reduce on-site complexity, and deliver repeatable, scalable performance in data center whitespace. Designed and built by Vertiv, the Vertiv™ SmartRun integrates critical systems—busway, aisle containment, piping, and cabling—into a single, lift-and-set deployment model that transforms how infrastructure is installed above the rack.

Data center providers are demanding speed—yet today's on-site construction is plagued by delays, complex coordination, and material waste of up to 10–15%. Vertiv™ SmartRun addresses these challenges by **reducing on-site installation time by up to 85%, and lowering total deployment costs of aisle-based systems by up to 40%**, solving both the schedule risk and the first cost barrier.

Vertiv™ SmartRun, ready for rack deployment

Vertiv™ SmartRun key benefits

- **One Integrated System, One Purchase:** No more sourcing busway, piping, and aisle containment separately—SmartRun is delivered as a unified solution, fully engineered and pre-integrated.
- **Streamlined Logistics & Procurement**: Single-source procurement and limited shipments simplify project receipting and vendor management.
- **Accelerated Deployment:** Up to 85% faster deployment on-site compared to traditional stick-built infrastructure.
- **Reduced On-Site Labor:** Prefabricated assemblies minimize labor hours and reduce skilled trade dependencies.
- **Lower Capex:** Cuts total cost of aisle-based infrastructure deployment by up to 40%.
- **Guaranteed Timelines:** Vertiv manufacturing and project management ensures predictable delivery and execution.

- **Rapid Installation with Single-Lift Deployment:** Modules are shipped ready to install with a forklift or lift assist—minimizing disruption and maximizing speed.
- **Scalable Modularity:** Configurable to fit a wide range of data center layouts and performance requirements.
- **Global Reach, Local Execution:** Vertiv's worldwide manufacturing and service footprint enables rapid, consistent deployments anywhere.

Perfect for:

- Hyperscale data centers
- Colocation facilities
- AI infrastructure deployments
- High-performance computing environments

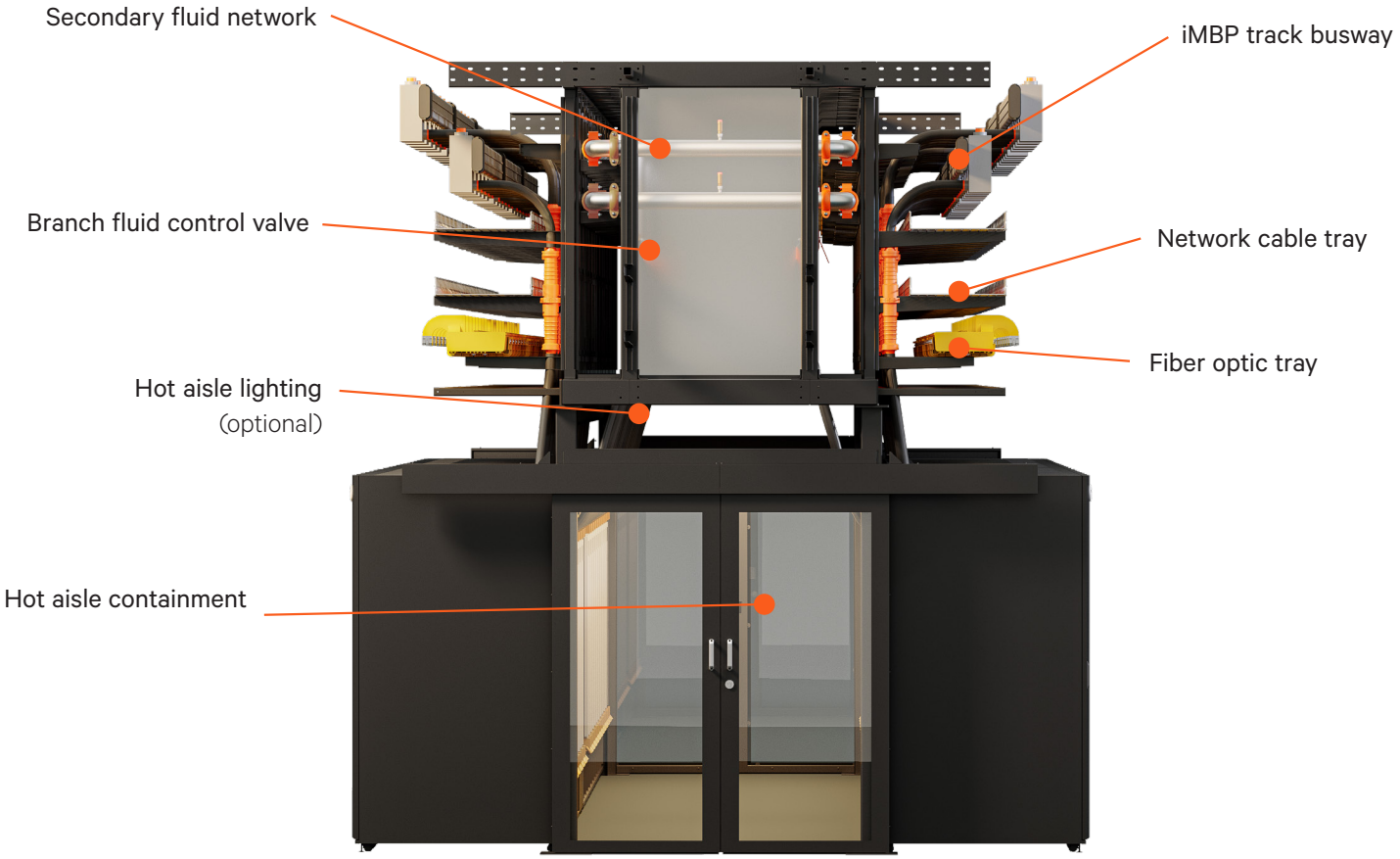
Vertiv™ SmartRun key features:

- **Modular & Adaptable:** Vertiv™ SmartRun connects like building blocks, allowing flexible layouts for both new and existing spaces.
- **Easy Indoor Delivery:** Designed to move smoothly through standard doors and hallways without special equipment or disassembly.
- **Flexible Installation:** Can be securely mounted to the floor or suspended overhead, depending on space and design needs.
- **Ready for Liquid Cooling:** Built to integrate seamlessly with advanced cooling systems to manage high-performance heat loads.
- **Supports High Power Use:** Compatible with a variety of power setups, making it ideal for demanding, high-density environments.
- **Built-In Containment:** Includes airflow management features that improve cooling efficiency and system performance.
- **Clean Cable Management:** Features structured pathways for data and power, keeping infrastructure neat, scalable, and easy to service.

Learn more about **Vertiv™ SmartRun**

Explore a 3D model of **Vertiv™ SmartRun**

Vertiv™ SmartRun Prefabricated Solutions



Frontal view of Vertiv™ SmartRun with racks

Power distribution: scalable and flexible

- Supports Vertiv™ iMPB Open Channel Busway solutions up to 1000A
- Up to 600V power systems with scalable tap-off boxes for racks up to 200kW
- Flexible redundancy options: N, N+1, 4N/3, 2N architectures
- Pods supporting up to 3.3 MW IT load

Liquid cooling: precision-controlled network

- 4” or 6” (DN100 or DN150) stainless steel headers with outlet ports every 2’ (600 mm)
- Each branch supplied with an Isolation Valve and configurable options for Valve Trains allowing hot-swappable branches for fast upgrading/retrofitting/future-proofing
- Single Vertiv™ SmartRun easily supports up to 3.3MW of liquid cooling enabling AI Racks
- Optional row leak detection for real-time monitoring of potential fluid leaks, ensuring operational integrity and peace of mind

Networking: structured and service-friendly

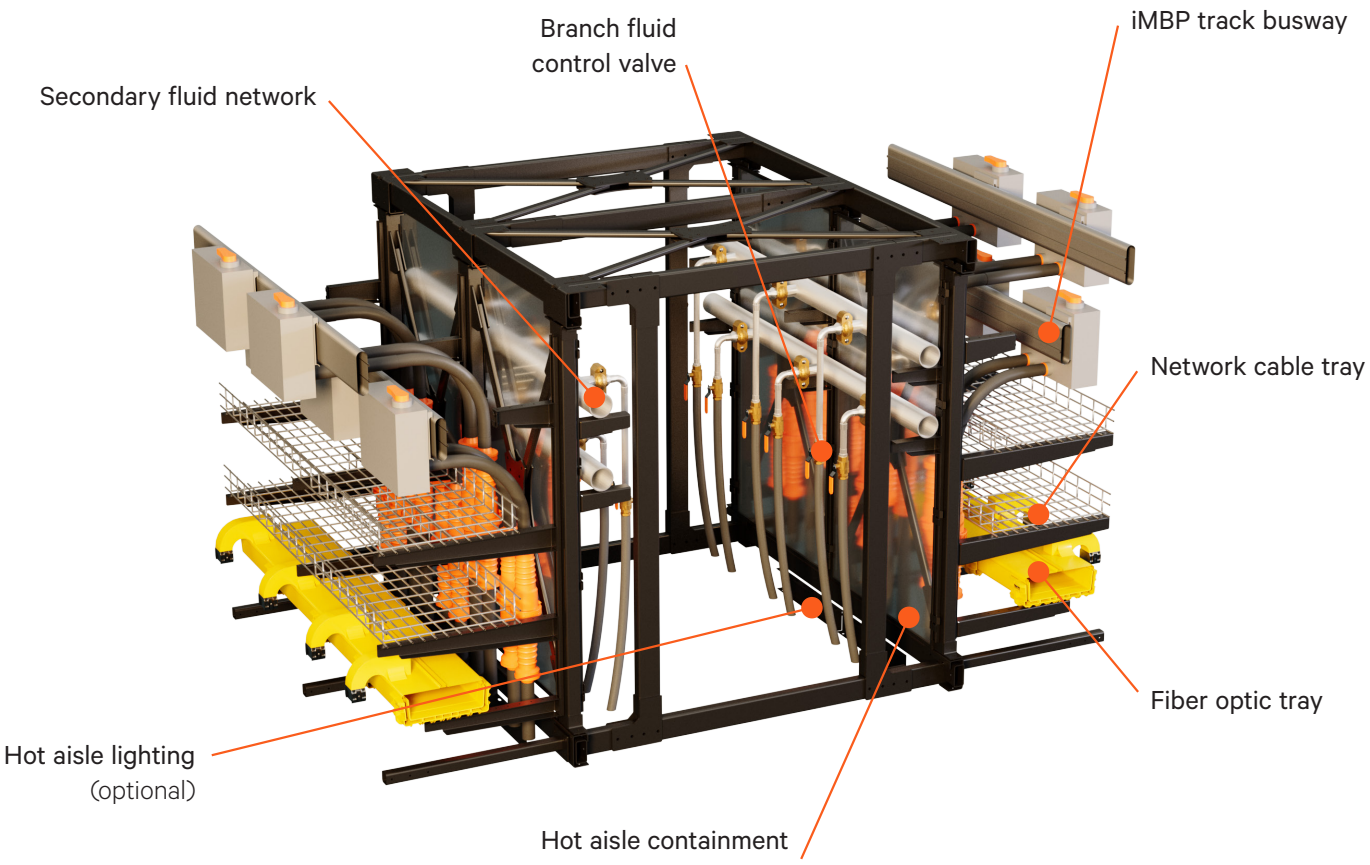
- Up to 3 tiers of cable trays per row

Hot aisle containment: premium, scalable, and optimized for efficiency

- Polycarbonate containment panels provide a sleek, durable, and transparent solution for maintaining optimal airflow and temperature control
- Designed to perfectly fit racks of different heights, with adjustable filler panels to seal gaps where racks haven't been installed, maintaining airtight containment
- Premium sliding Vertiv doors feature a high-end, seamless design for easy access, while maintaining the integrity of the containment system
- Optional Integrated Lighting for increased integration solution

Configurability and scalability

- Pre-configured 8' (2.4 m) blocks for easy shipping and handling
- Configurable for rows of 24 racks long or greater
- Adjustable aisle widths and post heights for optimal fit and airflow



A section of the Vertiv™ SmartRun, showing more details

Vertiv™ SmartRun: modular by design

Vertiv™ SmartRun delivers a modular, preassembled overhead infrastructure system that adapts to your space, accelerates deployment, and scales effortlessly across sites:

Portable subassemblies

- Preassembled and shippable for quick, low-impact installation as needed
- Designed to fit through standard double doors—ideal for retrofits
- Simplifies logistics with single-lift deployment

Configurable layouts

- Supports single-row or pod configurations
- Modular block design scales with whitespace demands

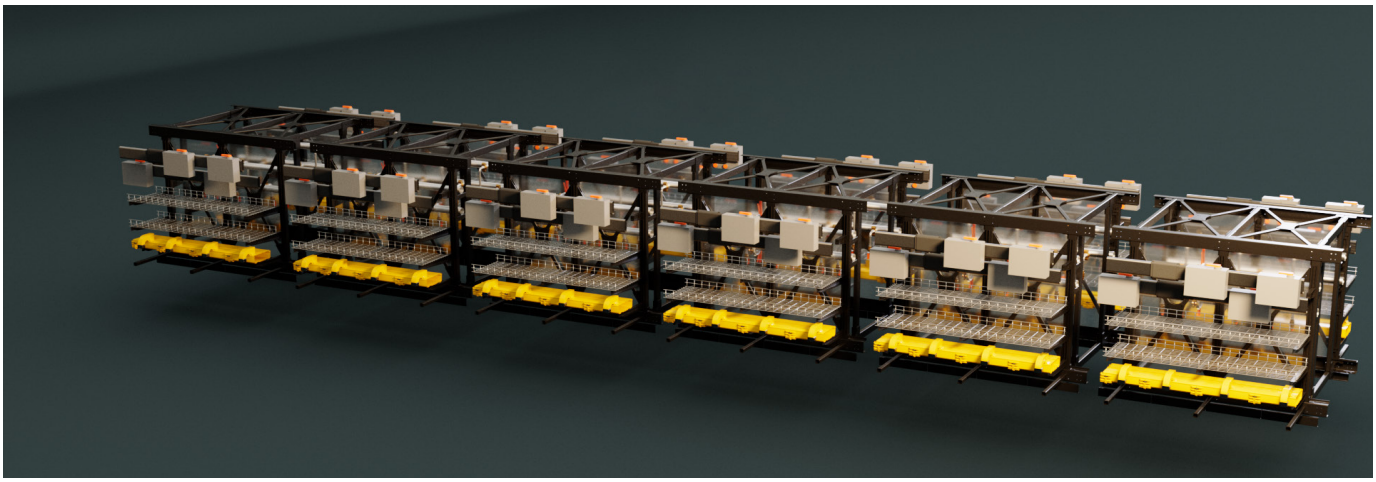
Tailored to your space

- Built in 8’ (2.4m) length segments (blocks) with adjustable width and height
- Adapts to rack heights, aisle spacing, and airflow needs
- Flexible to meet accessibility and facility constraints

Repeatable at scale

- Standardized design for consistent global deployment
- Easily replicates across multiple sites with minimal rework
- Sustainable deployment by reusing packaging materials for scalable deliveries

One half of a cross-section of Vertiv™ SmartRun



Vertiv™ SmartRun can be delivered in smaller preconfigured blocks or as a single block

Technical features

Vertiv™ SmartRun cooling loop architecture

Every pod includes a Supply (Cold) and Return (Hot) 304L stainless steel technology cooling loop for high-performance IT loads. The configuration of these headers can be tailored to your capacity and redundancy needs.

Single-feed header architecture

- Liquid is delivered from one side of the pod, with headers running the full length of the IT row.
- Reduces overall piping and connection points for a simpler, lower-cost installation.
- Ideal for standard capacity and straightforward layouts.

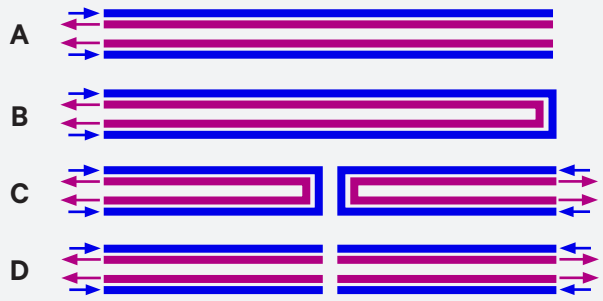
Dual-feed header architecture

- Liquid is supplied from both sides of the pod, with each header spanning half the length of the row.
- Allows for higher cooling capacity per pod, supporting denser IT deployments.
- Requires more piping terminations but enables scalable growth and balanced flow distribution.

Ring header

- Integrates a ring connection between supply and return headers within the pod.
- Provides the ability to maintain partial flow even when isolating one side of the piping system.

Technology cooling loop
Architecture & sizing



	Cooling Load Capacity [1]	4" / DN100 Piping	6" / DN150 Piping
A	Single Fed Row	1500 kW	3340 kW
B	Single Fed Row with Ring Redundancy	750 kW	1670 kW
C	Double Fed Row with Ring Redundancy	1500 kW	3340 kW
D	Double Fed Row	3000 kW	6680 kW

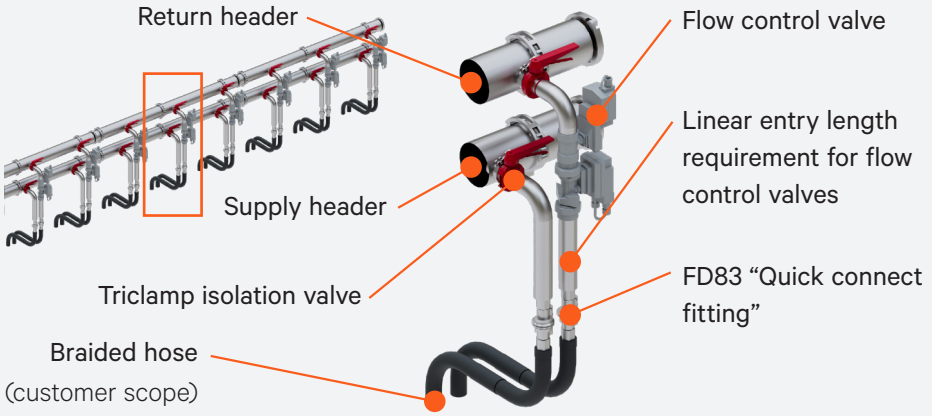
[1] Cooling Load for entire layout shown, assuming 1.5lpm/kW (dT = 10°C), 8ft/s max fluid velocity, PG25

- Valuable for planned maintenance or fault isolation—e.g., servicing a Vertiv™ CoolChip CDU or upstream mechanical connections—without full pod shutdown.
- Reduces Cooling Capacity of Network

Valve train
Architecture & sizing

Valve Train Size	Rack Density
1" / DN25	120 kW
1.5" / DN25	200 kW
2" / DN25	300 kW
2.5" / DN25	400 kW
3" / DN25	500 kW

All fluid piping utilizes sanitary (hygienic) connection standards



Vertiv™ SmartRun valve train

As datacenters transition to liquid cooling to support high-density AI and compute workloads, the secondary fluid piping system becomes a mission-critical backbone. Proper valve selection isn't just about initial performance — it's about long-term reliability, protection, and operational efficiency.

Key Vertiv™ SmartRun valve train features:

Protects critical server infrastructure

- Liquid is a powerful but sensitive thermal medium.
- Inconsistent flow or pressure can overheat or damage high-value servers.
- Proper valve selection ensures each rack gets stable, reliable cooling—no matter what's happening upstream or downstream.
- Advanced telemetry provides critical feedback for monitoring or control.

Enables system safety and leak protection

- Fast-acting isolation valves can shut off cooling to a row or rack instantly if a leak is detected.
- Optional leak detection systems work in tandem with control valves to mitigate risk quickly.
- Protects against fluid intrusion and equipment downtime.

Supports flexibility and growth

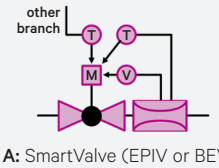
- Use adjustable balancing valves or pressure-independent valves for easier upgrades and future expansion.
- Maintain optimal flow even when adding or removing servers—no full-system rebalancing needed.
- Smart valve models can be upgraded with actuators later, supporting automation, BMS integration, and scalability.

Simplifies maintenance and commissioning

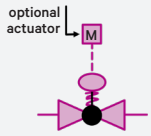
- Each rack can be serviced or adjusted without affecting neighboring equipment.
- Clear flow control at the branch level reduces the risk of error during maintenance.
- Helps operations teams diagnose and respond to issues faster.

Improves energy efficiency

- Thermal control valves modulate flow based on real-time heat load.
- Reduces unnecessary pump energy and improves chilled water efficiency.
- Enables smarter thermal performance with lower operating costs.

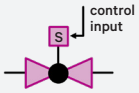


A: SmartValve (EPIV or BEV)



B: Auto Balancing Valve (ABV)

C: Manual Balancing Valve



D: Fast Shut-Off Valve

Valve train selection table

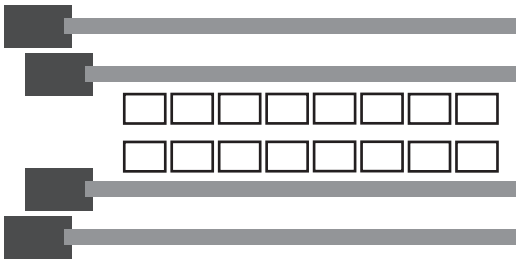
Scenario	Customer Need	Valve Options	What it does	When to use it
A	Cooling must adjust based on AI load or temperature	Smart Valve (EPIV or BEV)	Automatically adjusts water flow	Best for systems with changing loads
B	Fixed flow needed at each rack with no future change expected	ABV (Automatic Balancing Valve) (upgradable)	Maintains constant flow mechanically, no power/control needed	Ideal for simple, steady-state cooling designs
C	Need a low-cost or flexible design	Manual Balancing Valve	Set flow manually now, but add an actuator later if needed	Good for budget-conscious or evolving systems
D	Leak safety – shut off water instantly	Fast Shut-Off Valve	Closes when signaled	Protects equipment in emergencies

Vertiv™ SmartRun electrical architecture

Vertiv™ SmartRun electrical architecture is shaped by the required power capacity, desired redundancy level (N, N+1, 4N/3, 2N) and the layout of the IT row. Designs may use one or two Vertiv iMPB open channel busways per row, depending on whether power is fed from one side or both. Two-sided feeds require upstream planning for cable routing. Tap-off boxes must match rack density and distribution needs, and all decisions should be closely coordinated with the overall datacenter design to ensure scalability, efficiency, and reliability.

Single fed power architecture

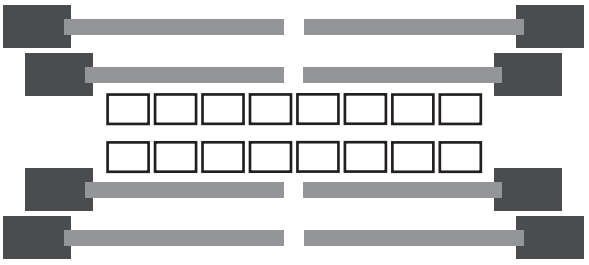
- Liquid is delivered from one side of the pod, with headers running the full length of the IT row.
- Reduces overall piping and connection points for a simpler, lower-cost installation.
- Ideal for standard capacity and straightforward layouts.



	1 Busway per Row				2 Busways per Row				4 Busways per Row			
kVA	**208 V**	**400 V**	**480 V**	**600 V**	**208 V**	**400 V**	**480 V**	**600 V**	**208 V**	**400 V**	**480 V**	**600 V**
400 A	288 kVA	554 kVA	664 kVA	830 kVA	576 kVA	1107 kVA	1329 kVA	1661 kVA	1151 kVA	2214 kVA	2657 kVA	3322 kVA
600 A	432 kVA	830 kVA	996 kVA	1246 kVA	864 kVA	1661 kVA	1993 kVA	2491 kVA	1727 kVA	3322 kVA	3986 kVA	4982 kVA
800 A	576 kVA	1107 kVA	1329 kVA	1661 kVA	1151 kVA	2214 kVA	2657 kVA	3322 kVA				
1000 A	720 kVA	1384 kVA	1661 kVA	2076 kVA	1439 kVA	2768 kVA	3322 kVA	4152 kVA				

Dual fed power architecture

- Liquid is supplied from both sides of the pod, with each header spanning half the length of the row.
- Allows for higher cooling capacity per pod, supporting denser IT deployments.
- Requires more piping terminations but enables scalable growth and balanced flow distribution.



	1 Busway per Row				2 Busways per Row				4 Busways per Row			
kVA	**208 V**	**400 V**	**480 V**	**600 V**	**208 V**	**400 V**	**480 V**	**600 V**	**208 V**	**400 V**	**480 V**	**600 V**
400 A	1151 kVA	2214 kVA	2657 kVA	3322 kVA	1151 kVA	2214 kVA	2657 kVA	3322 kVA	2303 kVA	4429 kVA	5315 kVA	6643 kVA
600 A	1727 kVA	3322 kVA	3986 kVA	4982 kVA	1727 kVA	3322 kVA	3986 kVA	4982 kVA	3454 kVA	6643 kVA	7972 kVA	9965 kVA
800 A	2303 kVA	4429 kVA	5315 kVA	6643 kVA	2303 kVA	4429 kVA	5315 kVA	6643 kVA				
1000 A	2879 kVA	5536 kVA	6643 kVA	8304 kVA	2879 kVA	5536 kVA	6643 kVA	8304 kVA				

Vertiv™ PowerBar iMPB technical features

Vertiv™ PowerBar iMPB is constructed from high density 99.99% conductivity copper or 55% conductivity aluminum. The conductors are insulated with a custom IEC certified thermoplastic material with outstanding heat characteristics. The insulation has excellent dielectric strength and is impact resistant.

Vertiv PowerBar™ iMPB is constructed with an aluminium housing providing a durable structure which also acts as a ground path.

Key features:

- SafeWork technology
- Individual tap-off units rated up to 125A
- Interlock feature ensures polarities do not mismatch
- Tap-off units can be fitted with IEC 309 receptacles, NEMA receptacles or whip cords as required

The Vertiv™ PowerBar iMPB range can be engineered with an over-rated neutral option for busbar systems with non-linear loads. The additional neutral capacity prevents overloading caused by zero sequence harmonic currents.

Vertiv offer a 100% fully isolated ground for systems where earth isolation is required e.g. systems with heavy microprocessors, based loads or large computer-based installations.

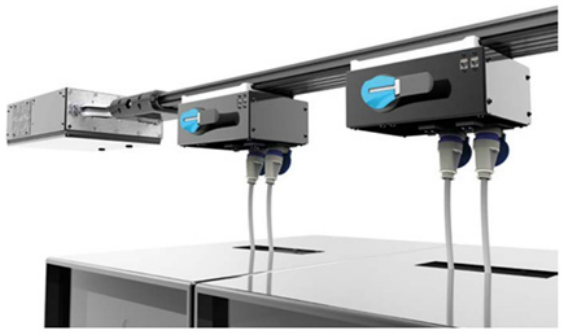
Vertiv™ PowerBar iMPB tap off units are engineered with the safety of the installer and user as the key criteria.

All tap off units have an 'earth first, break last' safety feature and can be safely installed using Powerbar's SafeWork Technology.

1. The units interlock onto the busway with a ground strip. This ensures that the ground is the first point of contact with the busbar system during installation.

2. The mechanical interlock secures the unit to the bar using high tensile strength lockable hardware which cannot be fitted incorrectly.

3. Once fitted to the bar, the engager handle can be turned. This lifts the contacts into the busway and has a positive lock once fully rotated.



Technical Data

Copper

Rated current (A)	**160**	**250**	**400**	**630**	**800**
Rated Operational Voltage	600	600	600	600	600
Rated Insulation Voltage	1000	1000	1000	1000	1000
Short Circuit					
Short Circuit Current Rating (rms symmetrical 1 second) KA	25	25	36	36	35
Peak Value (kA)	52.5	52.5	77	77	77
Short Circuit Conditional Rating (KAIC)	100	100	100	100	100

Aluminium

Rated current (A)	**160**	**250**	**400**	**630**	**800**	**1000**
Rated Operational Voltage	600	600	600	600	600	600
Rated Insulation Voltage	1000	1000	1000	1000	1000	1000
Short Circuit						
Short Circuit Current Rating (rms symmetrical 1 second) KA	30	30	30	35	35	35
Peak Value (kA)	63.8	63.8	63.8	73.5	73.5	73.5
Short Circuit Conditional Rating (KAIC)	100	100	100	100	100	100

Phase Configurations

Configuration	Phases	Neutral	Earth
TP	600	600	600
TP/ON	1000	1000	1000
TP/NE	100	100	100
TP/ONE	1000	1000	1000

Integrate Vertiv™ SmartRun into a Vertiv unified loop system

Integrated. Certified. Mission-Critical.

Vertiv™ SmartRun allows for a one-Loop System. Delivering a fully integrated liquid cooling ecosystem—combining our SmartRun and its secondary fluid network, industry-leading Vertiv™ Coolant Distribution Units (CDUs), and thermal and power infrastructure—all engineered, manufactured, and commissioned by Vertiv.

Why choose Vertiv's unified loop?

Single-source confidence

Vertiv designs, manufactures, and commissions the entire cooling loop—ensuring quality, speed, and accountability across every phase.

Protect your investment

Liquid-cooled servers are expensive and sensitive. Our system ensures cleanliness, precision flow control, and uptime protection for high-density workloads.

Optimized for deployment speed

With all components built to fit together—headers, valves, racks, containment, and power—installation is faster and more consistent.

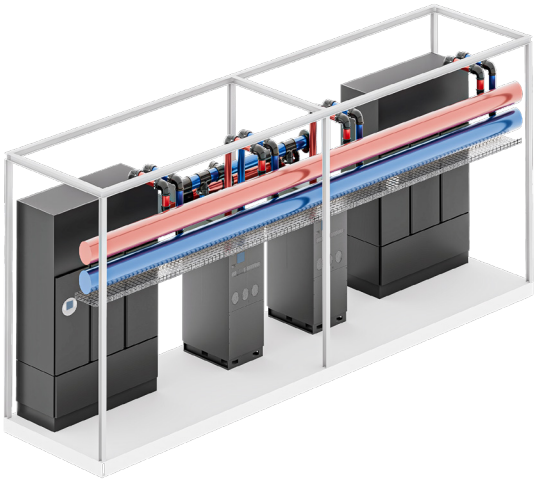
Vertiv™ CoolChip CDU

Seamless cooling distribution unit integration

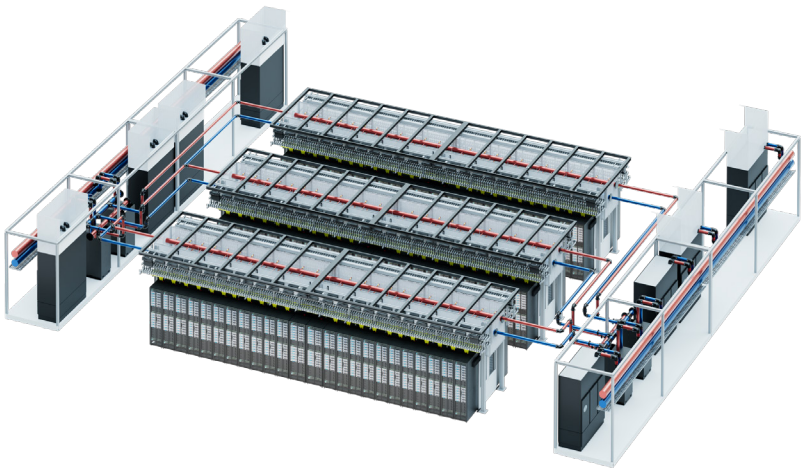
SmartRun pairs directly with Vertiv™ CDUs, enabling precision cooling, modular scalability, and maintenance-friendly architecture.

End-to-end prefabrication

Integrate prefabricated cooling skids featuring Vertiv™ CDU with Vertiv™ SmartRun for streamlined liquid loop deployment and minimized field labor.



An example configuration with 2 air-cooling units and 2 CDUs mounted on a prefabricated skid



An example of a 3-aisle compute pod, coolied by Vertiv indoor cooling units and CDUs deployed on 4 prefabricated skids

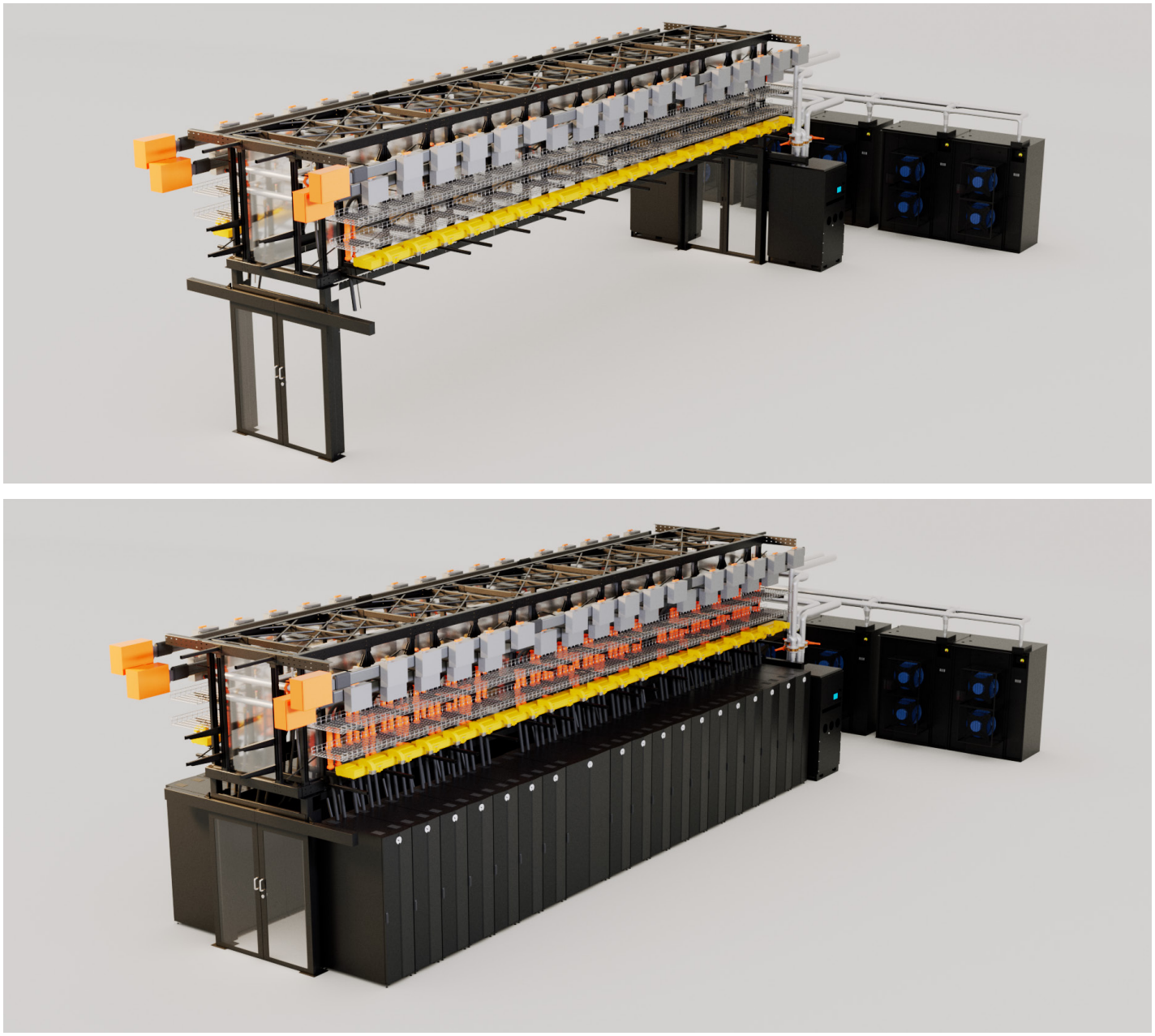
Pair with other prefabricated modules and skids for a comprehensive, factory-tested Vertiv™ OneCore turn-key data center solution, reducing on-site complexity and timelines.

Coordinated power and thermal infrastructure

Vertiv™ SmartRun busways and containment align with Vertiv's power train and thermal chain portfolio, delivering an efficient, cohesive physical layer.

Worry-free operation with Vertiv services

Experience seamless efficiency and reliability with Vertiv's all-inclusive design, installation, and maintenance services for liquid-cooled systems.



Vertiv™ SmartRun shown alongside Vertiv perimeter air-cooling units and CDUs, with racks (bottom) and without (top)

Vertiv™ liquid cooling services at-a-glance

Expert turnkey services

Deliver optimal performance for high-density computing through comprehensive infrastructure solutions. Services include site assessment, solution design, and PUE optimization. Specialized thermal experts help upgrade facilities for AI workloads, ensuring scalability and efficiency from deployment through maintenance.

Global expertise and certified technicians

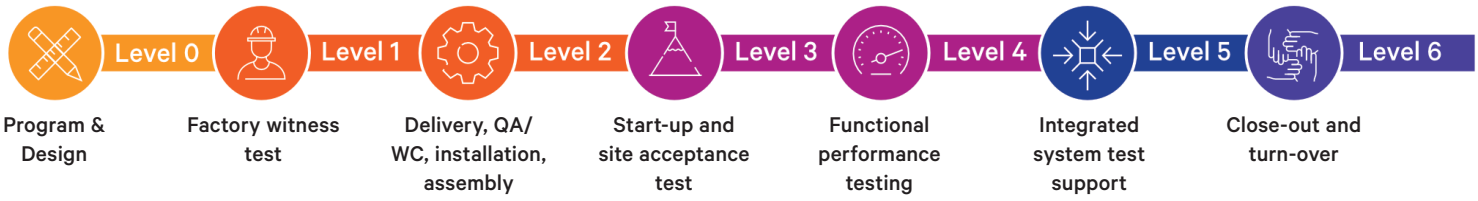
Distinguished by integrated capabilities in designing, manufacturing, and servicing liquid cooling systems. Backed by worldwide network of certified technicians and engineers who complete extensive training programs. Provide expert guidance, from operator training to risk management, ensuring maximum data center efficiency.

End-to-end lifecycle support

Deliver complete lifecycle services covering design, installation, and maintenance of liquid cooling systems. Utilize Digital Twin technology to validate system efficiency and design. Offer ongoing service contracts with routine maintenance and advanced monitoring, ensuring optimal system performance and reliability.

Levels of project execution

Getting critical infrastructure up and running is a multi-step approach, and liquid cooling introduces unique challenges that demand expertise at every stage. Vertiv's Liquid Cooling Services provide a structured, end-to-end approach to navigate these complexities, delivering a system designed, installed, and maintained to support scalability and future-ready operations.



Consultation & Assesment

Perform design consultation and assesment customized to specific site requirements:

• Site visit • Product selection • System planning/design • System layout • Integration drawings • Computational fluid dynamic (CFD) Digital Twin modeling

Installation & Integration

Manage project and perform assembly services:

• Rack assembly • Busway installation • Rack PDU installation • Aisle containment • Integration from CDU to chip via overhead and rack manifolds • Removal of old equipment • New Vertiv unit installation

Hassle-free design, deployment and management for forward-looking data centers in every location.

Comissioning

OEM commisioning and startup service:

• Site Acceptance Inspection • Startup • Site Acceptance Testing • Integration System Testing • Training

Recurring Services

• Preventive Maintenance Visits • Parts/Labor Coverage • Emergency Response • Technical Support • Fluid management (Fluid sampling and testing; system discharge and recharge, fluid quality remediation)

Service offering

Startup and commissioning services

Our startup and commissioning services provide white-glove support, delivering precision at every stage of the installation phase. With meticulous verification and proactive engagement, we supervise installations to minimize issues and conduct full testing—both before server installation and under full load, enabling a seamless transition from system inception to full operation Leveraging real-time data analysis powered by Artificial Intelligence/Machine Learning, we detect component anomalies, monitor performance deviations, and calculate remaining useful life, helping you manage risks and maintain visibility into system performance.

Fluid maintenance and analyses

Proper fluid management focuses on maintaining the chemistry and quality of the coolant. Our services include coolant sampling, quality testing, and chemical adjustments, backed by partnerships with top coolant suppliers. The Secondary Fluid Network—comprising piping, hoses, and manifolds—carries coolant from the Coolant Distribution Unit (CDU) to the cold plates, requiring precise handling to avoid leaks and contamination. With quick disconnects for easier servicing and a closed-loop design for minimal fluid loss, we deliver thorough care to maintain cleanliness and system integrity. Secondary Fluid Network coolant is mission-critical, and the quality of the fluid is paramount to keeping IT systems running smoothly. Through regular monitoring and corrective actions, we prevent issues like blockages, corrosion, and reduced thermal performance, keeping your cooling systems efficient and reliable.

Ongoing maintenance and support

Our recurring services provide comprehensive support to keep your liquid cooling systems running smoothly, combining preventative maintenance and break-fix support. Through regular inspections, fluid management, and quality testing, we optimize system efficiency, clean filters, adjust settings, and make necessary upgrades to extend the lifespan of your equipment. By addressing wear and tear promptly and maintaining compliance with industry standards, we reduce the risk of costly repairs or replacements. Our proactive approach helps identify and resolve potential issues before they escalate, minimizing downtime and keeping your cooling systems in optimal condition.

Global services portfolio	Basic	Essential	Preferred	Premier	
Performed by Vertiv Certified Technicians	✓	✓	✓	–	Unit Management
Guaranteed Emergency Response Tome	✓	✓	✓	–	
Access to Customer Resolution Center	✓	✓	✓	–	
Preventive Maintenance Services Visits	✓	✓	✓	–	
Labor and Travel Coverage	–	✓	✓	–	
Part Coverage	–	–	✓	–	
Secondary Circuit Fluid Sampling	✓	✓	✓	✓	Fluid Management
Secondary Circuit Fluid Analysis*	+	+	+	✓	
Secondary Circuit Fluid Remediation	+	+	+	✓	
Secondary Circuit Initial Fill	+	+	+	+	
Secondary Circuit Flush and Fill	+	+	+	+	

Design Specifications	Vertiv™ SmartRun	Reference Design 1	Reference Design 2
Structural			
Minimum Shippable Size (Block) LxWxH	8 ‘ x 4’ x 6.5’ (2,4 x 1,2 x 2 m)	8’ x 4’ x 6.5’ (2,4 x 1,2 x 2 m)	8’ x 4’ x 6.5’ (2,4 x 1,2 x 2 m)
Max Lift Size LxWxH	Up to 48’ x 14’ x 6.5’ (14,4 x 4,2 x 2 m)	Up to 40’ x 14’ x 6.5’ (14,4 x 4,2 x 2 m)	Up to 40’ x 14’ x 6.5’ (14,4 x 4,2 x 2 m)
Number of Racks	Up to 48 Racks	Up to 40 Racks	Up to 40 Racks
Lift Weight	Up to 500lbs / ft (744 kg / m)	Up to 500lbs / ft (744 kg / m)	Up to 500lbs / ft (744 kg / m)
Operational Weight	Up to 600 lbs / ft (900 kg / m)	Up to 600 lbs / ft (900 kg / m)	Up to 600 lbs / ft (900 kg / m)
Mounting	Post, Ceiling Hung, Rail Mounted	Post	Post
Post Height	Up to 52U Rack	Up to 52U Rack	Up to 52U Rack
Thermal			
Liquid Thermal Capacity per Pod (kW) [1]	Up to 3300 kW	1.5 MW	3 MW
Main Header Size	4” or 6” (DN100 or DN150)	6” (DN150)	6” (DN150)
Technology Cooling Loop Architecture	Ring or Straight	Ring	Straight
Piping Material [2]	304L Stainless Steel	304L Stainless Steel	304L Stainless Steel
Branch Flow Control Valving	Manual, Automatic, Energy Valve, Fast Acting Shutoff Valve	Manual	PICV
Electrical			
Electrical Capacity per Pod (kW) [3]	Up to 5500 kVA	2 MW	3.3 MW
Voltage	Up to 600 V	480 V	480 V
Busway [4] Amperage	Up to 1000A Open Channel	600 A	1000 A
Busway Quantity	Up to 4 per Row	2 per Row	2 per Row
Tap-off Box (Busplug)	Up to 125 A	60 A	125 A
Auxillary			
Cable Tray Qty	Up to 3 Tiers	Up to 3 Tiers	Up to 3 Tiers
Optional to include	Fiber Spillout, Lighting, Leak Detection, Fire Suppression	Fiber Spillout, Lighting, Leak Detection, Fire Suppression	Fiber Spillout, Lighting, Leak Detection, Fire Suppression
Containment	Polycarbonate Paneling with Sliding Doors	Polycarbonate Paneling with Sliding Doors	Polycarbonate Paneling with Sliding Doors
Color	Black	Black	Black

[1] 80:20 Liquid:Air, 1.5 LPM/kW, 8ft/sec.

[2] All wetted material compliant with major PG25 manufacturers and industry standards.

[3] 480V with N Redundancy

[4] Swap for ladder tray on request

Contact Vertiv Solutions Architect for more details. ETO Options Available upon request.

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