

# Vertiv™ SmartCabinet™ ID

Fully sealed micro data center for demanding environments



## Benefits

### Fully integrate your critical IT deployment with robust solutions

- Fully sealed cabinet provides 24/7 protection from harsh environmental conditions that could damage IT equipment
- Completely assembled and tested in the factory, supplied with the appropriate condensing unit
- Integrated cooling unit takes up zero rack U-space, allowing for more IT installation
- Built-in HMI display with communication capabilities allows for local or remote monitoring and control
- Emergency backup fan ensures proper airflow and avoids overheating
- Multiple rack sizes and cooling capacity options provide flexibility for numerous applications
- Pre-integrated Power Management Block (PMB) provides power to cooling, HMI, sensors, and backup fans for easy onboard power integration
- Ensure high system availability with uninterrupted backup power with the compatible Vertiv™ Liebert® GXT5 UPS (sold separately)
- Integrate your IT deployment with intelligent rPDU's for constant monitoring and system availability (sold separately)
- Protect your investment with one of our warranty extensions and services specifically designed for integrated modular solutions

*The Vertiv™ SmartCabinet™ ID all-in-one IT solution offers high efficiency environmental protection for demanding applications. With an IP54\* rated cabinet, the SmartCabinet™ ID delivers complete system reliability and peace of mind.*

## Environmental Protection

With technology constantly evolving and pushing the edge of what's achievable, IT continually moves into places that it wasn't designed to be stored. From cluttered storage closets with minimal airflow, to industrial automation in factories, to fulfillment centers with autonomous robots, and even harsh medical environments, IT equipment is exposed to ambient conditions that could severely damage its life expectancy and reliability, proving catastrophic to your business operations.

Temperature fluctuations, dirt and dust presence, and a lack of humidity control are important concerns to be aware of when deploying essential IT equipment, especially in spaces that are less conditioned such as warehouses or manufacturing sites.

By utilizing the SmartCabinet ID, you can protect your most vital equipment from these harsh conditions with an IP54 rated cabinet, providing dirt and dust ingress protection as well as protection from humidity and even indoor sprinkler systems. Enable ideal operating conditions and temperatures for your most critical IT by deploying it inside the SmartCabinet ID!

## Increased Security

When your business relies on constant availability, don't take any risks with data breaches. Secure your most valuable assets with electronic locks on both the front and rear doors of the SmartCabinet ID, ensuring your data remains safe at all times. The unit also comes standard with door alarms and notifications through on-board communication capabilities, allowing you to monitor and track unit access and further increasing the security of your IT deployment!

## Maximized Rack Utilization

Space is at a premium these days, and rack space is no exception to that. Designed with maximized utilization in mind, the SmartCabinet ID has an integrated cooling solution and power management block that take up zero U-space in the rack, allowing for more IT equipment to be installed to keep your business running or supporting your plans for future expansion as your operations and IT requirements grow!

\*IP54 - Ingress Protection class according to IEC 60529: Protection against dust (5) and splashing water (4)

## Technical Specifications

### Vertiv™ SmartCabinet™ ID

### 24U, 3.5kW Cooling Capacity

SKU	Ambient temp. $\geq -15^{\circ}\text{C}$	<b>VS3354IN</b>
	Ambient temp. $\geq -34^{\circ}\text{C}$	<b>VS3354IL</b>
Size	Width	800 mm
	Depth	1200 mm
	Height	1200 mm
Load Rating	Static Load	1300 kg
	Dynamic Load	1000 kg
Ingress Protection Class according to IEC 60529		IP54
Rack unit space	Usable	24U

### Cooling

Rated Cooling Capacity*	3.5 kW
Capacity Modulation Range	0 to 100%
Nominal Air Flow	750 m <sup>3</sup> /h
Coefficient of Performance (COP), $W_{\text{cooling}}/W_{\text{electrical}}$	2.9
Sound Pressure (at 2m)	< 63 dB(A)

### Condensing Unit, Standard $\geq -15^{\circ}\text{C}$

Size	Width x Depth x Height	786 mm x 282 mm x 527 mm
Weight		48 kg

### Condensing Unit, Low Ambient $\geq -34^{\circ}\text{C}$

Size	Width x Depth x Height	1163 mm x 282 mm x 527 mm
Weight		68 kg

### Environmental Specifications

Cabinet Temperature	0 to 45 °C
Evaporator Temperature	18 °C to 45 °C
Standard Condensing Unit Temperature	-15 °C to 48 °C
Low Ambient Condensing Unit Temperature	-34 °C to 48 °C
Ambient Storage Temperature	-40 °C to 70 °C
Ambient Humidity	For Cabinet: 5% RH to 90% RH (no condensation). For Evaporator: 17% RH to 60% RH. For Storage: $\leq 95\%$ RH at 40 °C
Altitude	1000m without derating. Contact Vertiv for derating up to < 3000 m

### Services

	3 year standard warranty
Installation	Call us
On-site Services	PS-VS-ST85-SPU PS-VS-ST247-SPU
Warranty Extension	VS-WP3-8W-8R8W-SPU VS-IEW-8W-8R8W-SPU