

# VAK DC 1000 SLIM

DC air conditioner designed  
for optimal cabinet footprint on  
telecom sites



## MAIN FEATURES

- Cooling performance range: 800-1.200W
- Equipped w/ advanced controller platform
- Eco-friendly refrigerant CFC-free R134a
- Lightweight for easy handling and transport
- Designed for configuration and added features

## STANDARDS

- IP65 (IEC60529)
- CE, UL/cUL
- NEMA-3R
- RoHs/REACH/CLP
- Telcordia GR-487 capable

## OPTIONAL FEATURES

- Compressor Heater Package
- Enclosure Heater Package
- Material: SGCC, Aluminium, Stainless Steel
- External or Built-In Condensate Evaporator
- Flanges for partial recess-mounting
- Self-test functionality
- Recessed mounting
- Several colours and finishes

## UNIT DESIGN

- Aluzinc Steel
- Powder-coated in RAL 9016
- Louver in front of external fan
- Designed for easy service and maintenance
- External mounting

## CONTROLS

- Cooling capacity regulation
- Cyclic off-grid application w/ battery-power backup
- Optimised for hybrid sites
- Password protected set-point adjustment
- User-friendly interface w/ display

# VAK DC 1000 SLIM

Technical specifications

## STANDARD CONFIGURATION

Epoxy Coated condenser coil	Rotation function between lead/lag units
Ethernet communication interface	Sand trap
Standard configuration for cold weather package	Smoke detector input and control logic
Door contact input and control logic	Shock and vibration capable ISTA-3B
LVD and HVD protection function	

## DIMENSIONS

Height	mm	800	inch	31,5
Width	mm	483	inch	19,0
Depth	mm	200	inch	7,9
Weight	kg	27	lbs	60

## ELECTRICAL DATA

Voltage (Nominal)	V	48 DC
Voltage (Operating range)	V	42-60 DC

## CURRENT

— Starting	A	10,0
— 35°C/35°C - 95°F/95°F	A	6,5
— 55°C/55°C - 131°F/131°F	A	10,4
— 35°C/55°C - 95°F/131°F	A	11,5

## POWER CONSUMPTION

— 35°C/35°C - 95°F/95°F	W	310
— 55°C/55°C - 131°F/131°F	W	500
— 35°C/55°C - 95°F/131°F	W	550

## CONTROLS

Temperature Control Method	Precision Temperature Control
Compressor Drive	Variable Speed
Fan Drive	Variable Speed

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## COOLING PERFORMANCE

Cooling capacity (Nominal)	W	1.000	BTU/h	3.412
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### COOLING CAPACITY

— 35°C/35°C - 95°F/95°F	W	1.080	BTU/h	3.685
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— 55°C/55°C - 131°F/131°F	W	1.200	BTU/h	4.095
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— 35°C/55°C - 95°F/131°F	W	800	BTU/h	2.730
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Internal airflow (Actual)	M <sup>3</sup> /h	520	CFM	306
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External airflow (Actual)	M <sup>3</sup> /h	620	CFM	365
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## AMBIENT TEMPERATURE RANGE

Maximum	°C	+55	°F	+131
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Minimum	°C	-15	°F	+5
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Extended operation range	°C	-40 to +55	°F	-40 to +131
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## ENVIRONMENTAL INFORMATION

Global Warming Potential	GWP	1430
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Ozon Depleting Potential	ODP	0
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### EER (L35/L35)

— °C	W / W	3,5
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— °F	W / W	11,9
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## REFRIGERANT

— Type	CFC-free R134a
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— Amount	g	450
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## NOISE LEVEL

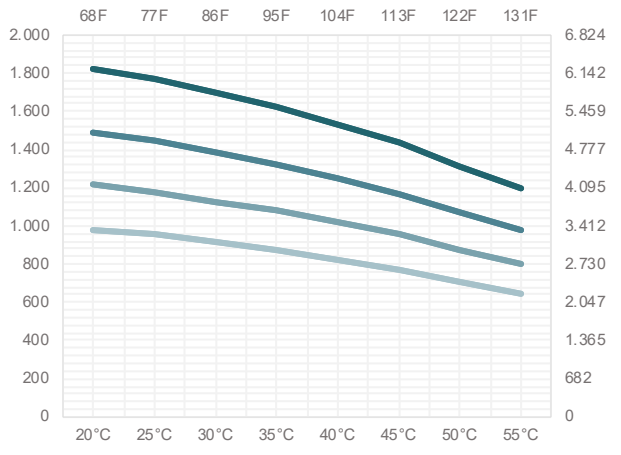
— Day	dB(A)	65
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— Night	dB(A)	55
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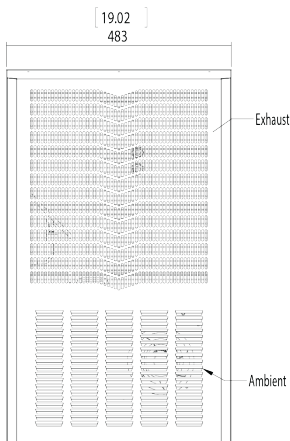
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Technical specifications

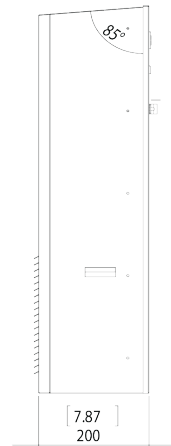
## COOLING CAPACITY



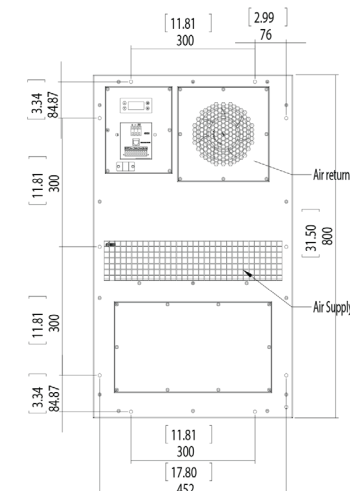
- CC @ RT25C (77F)      — CC @ RT35C (95F)
- CC @ RT45C (113F)    — CC @ RT55C (131F)



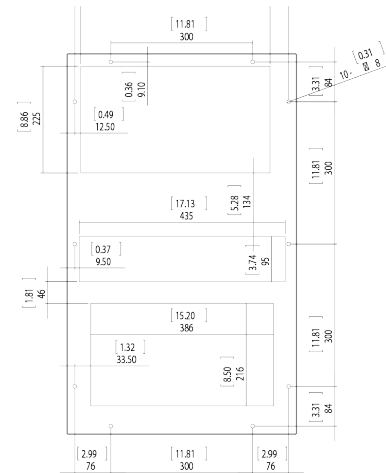
FRONT



SIDE



BACK



CUT-OUT

We are an InfraTech company creating reliable and energy-efficient solutions to critical digital infrastructure within cooling, powering, and protection.

Version: 202308

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