

VAK DC 500 SLIM

DC air conditioner designed for optimal cabinet footprint on telecom sites



MAIN FEATURES

- Cooling performance range: 330-650W
- 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 500 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	500	inch	19,7
Width	mm	483	inch	19,0
Depth	mm	230	inch	9.1
Weight	kg	19	lbs	42

ELECTRICAL DATA

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

CURRENT

— Starting	A	3,1
— 35°C/35°C - 95°F/95°F	A	3,1
— 55°C/55°C - 131°F/131°F	A	5,2
— 35°C/55°C - 95°F/131°F	A	5,8

POWER CONSUMPTION

— 35°C/35°C - 95°F/95°F	W	150
— 55°C/55°C - 131°F/131°F	W	250
— 35°C/55°C - 95°F/131°F	W	280

CONTROLS

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

VAK DC 500 SLIM

Technical specifications

COOLING PERFORMANCE

Cooling capacity (Nominal)	W	500	BTU/h	1.706
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COOLING CAPACITY

— 35°C/35°C - 95°F/95°F	W	550	BTU/h	1.877
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— 55°C/55°C - 131°F/131°F	W	650	BTU/h	2.218
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— 35°C/55°C - 95°F/131°F	W	330	BTU/h	1.126
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Internal airflow (Actual)	M ³ /h	260	CFM	153
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External airflow (Actual)	M ³ /h	310	CFM	182
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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	3,7
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— °F	W / W	12,5
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REFRIGERANT

— Type	CFC-free R134a
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— Amount	g	125
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NOISE LEVEL

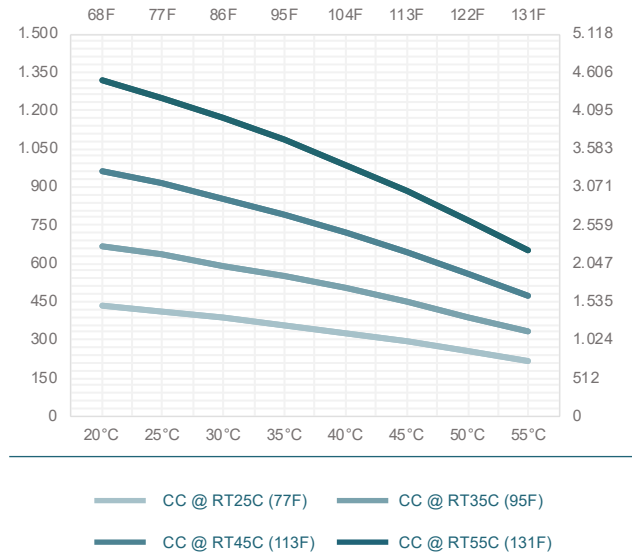
— Day	dB(A)	60
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— Night	dB(A)	55
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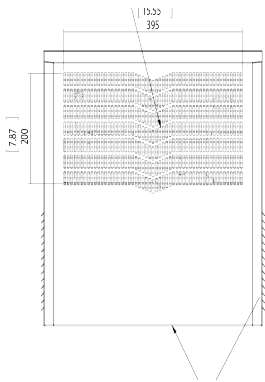
VAK DC 500 SLIM

Technical specifications

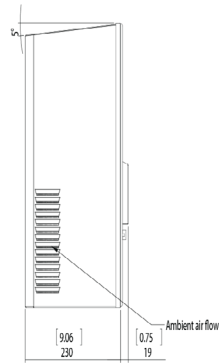
COOLING CAPACITY



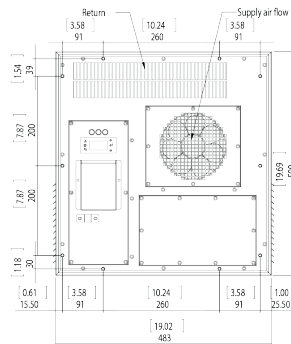
TECHNICAL DRAWINGS



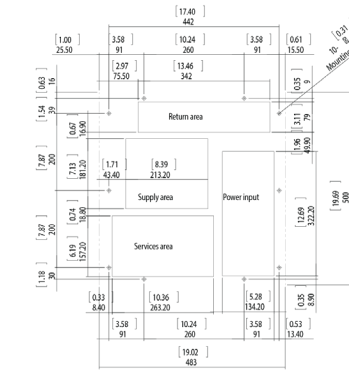
FRONT



SIDE



BACK



CUT-OUT

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

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