

VAK DC 1800 SLIM

DC air conditioner designed for optimal cabinet footprint on telecom sites



MAIN FEATURES

Cooling performance range: 1.450-2.100W

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 1800 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	980	inch	38,6
Width	mm	483	inch	19,0
Depth	mm	235	inch	9,3
Weight	kg	44	lbs	97

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	10,4
— 55°C/55°C - 131°F/131°F	A	16,0
— 35°C/55°C - 95°F/131°F	A	17,7

POWER CONSUMPTION

— 35°C/35°C - 95°F/95°F	W	500
— 55°C/55°C - 131°F/131°F	W	770
— 35°C/55°C - 95°F/131°F	W	850

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	1.800	BTU/h	6.142
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COOLING CAPACITY

— 35°C/35°C - 95°F/95°F	W	1.800	BTU/h	6.142
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— 55°C/55°C - 131°F/131°F	W	2.100	BTU/h	7.165
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— 35°C/55°C - 95°F/131°F	W	1.450	BTU/h	4.948
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Internal airflow (Actual)	M ³ /h	750	CFM	441
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External airflow (Actual)	M ³ /h	800	CFM	471
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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	3,6
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— °F	W / W	12,3
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REFRIGERANT

— Type	CFC-free R134a
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— Amount	g	600
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NOISE LEVEL

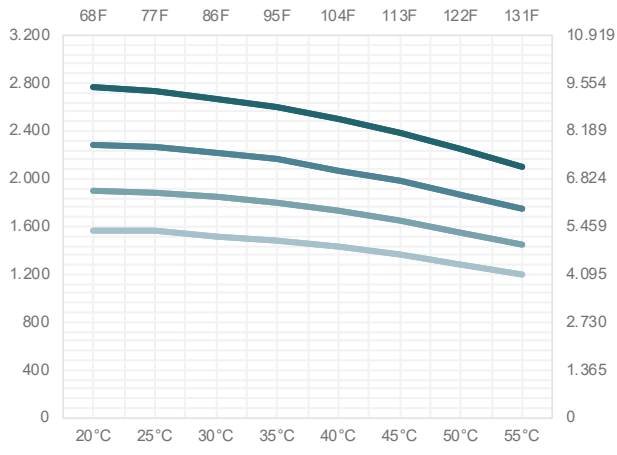
— Day	dB(A)	65
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— Night	dB(A)	60
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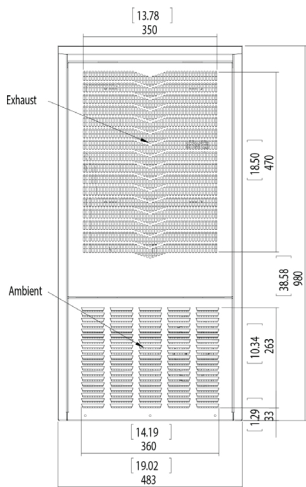
VAK DC 1800 SLIM

Technical specifications

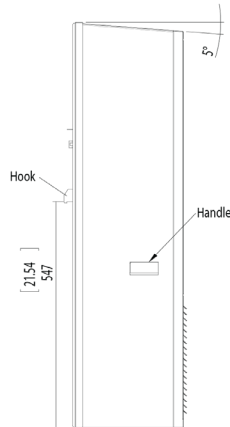
COOLING CAPACITY



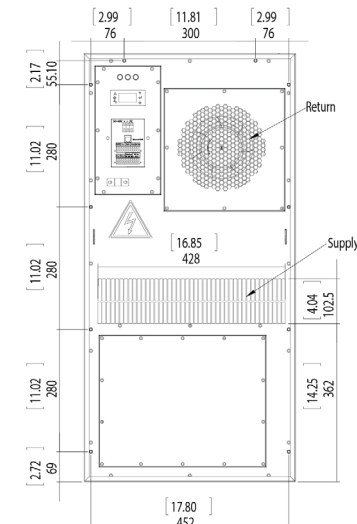
— CC @ RT25C (77F) — CC @ RT35C (95F)
— CC @ RT45C (113F) — CC @ RT55C (131F)



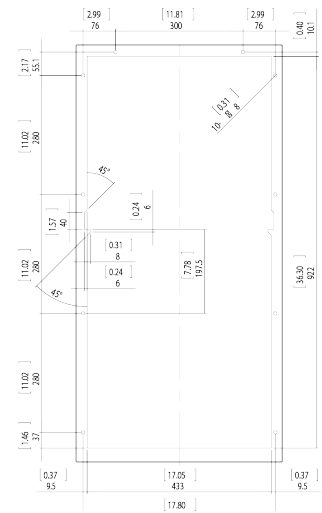
FRONT



SIDE



BACK



CUT-OUT

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

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