

VAK DC 600 SLIM

DC air conditioner designed for optimal cabinet footprint on telecom sites



MAIN FEATURES

- Cooling performance range: 450-800W
- 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 600 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	725	inch	28,5
Width	mm	483	inch	19,0
Depth	mm	175	inch	6,9
Weight	kg	25	lbs	55

ELECTRICAL DATA

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

CURRENT

— Starting	A	5,0
— 35°C/35°C - 95°F/95°F	A	3,1
— 55°C/55°C - 131°F/131°F	A	5,3
— 35°C/55°C - 95°F/131°F	A	6,0

POWER CONSUMPTION

— 35°C/35°C - 95°F/95°F	W	150
— 55°C/55°C - 131°F/131°F	W	255
— 35°C/55°C - 95°F/131°F	W	290

CONTROLS

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

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Technical specifications

COOLING PERFORMANCE

Cooling capacity (Nominal)	W	600	BTU/h	2.047
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COOLING CAPACITY

— 35°C/35°C - 95°F/95°F	W	600	BTU/h	2,047
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— 55°C/55°C - 131°F/131°F	W	800	BTU/h	2.730
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— 35°C/55°C - 95°F/131°F	W	450	BTU/h	1.535
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Internal airflow (Actual)	M ³ /h	220	CFM	129
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External airflow (Actual)	M ³ /h	350	CFM	206
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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	4,0
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— °F	W / W	13,6
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REFRIGERANT

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

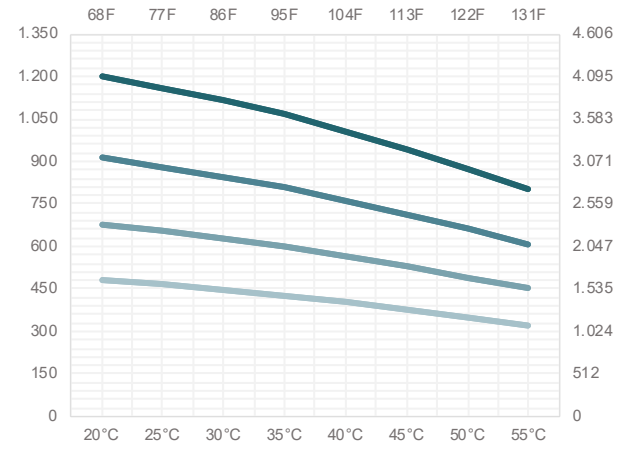
— Day	dB(A)	60
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— Night	dB(A)	50
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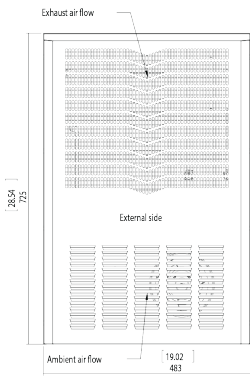
VAK DC 600 SLIM

Technical specifications

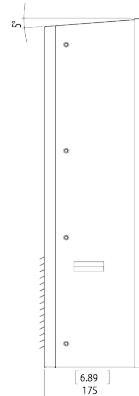
COOLING CAPACITY



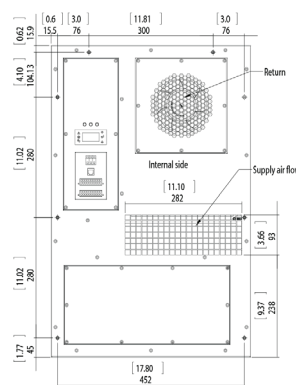
- CC @ RT25C (77F)
- CC @ RT35C (95F)
- CC @ RT45C (113F)
- CC @ RT55C (131F)



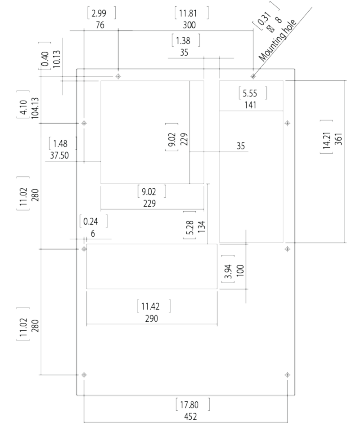
FRONT



SIDE



BACK



CUT-OUT