VAK DC
3000 SLIM

DC air conditioner designed for optimal cabinet footprint on telecom sites

MAIN FEATURES

- Cooling performance range: 2.700-4.000 W
- 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

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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	1250	inch	49,2
Width	mm	500	inch	19,7
Depth	mm	260	inch	10,2
Weight	kg	57	lbs	126

ELECTRICAL DATA

Voltage (Nominal)	V	48 DC
Voltage (Operating range)	V	42-60 DC
CURRENT		
— Starting	A	15,0
— 35°C/35°C - 95°F/95°F	A	22,3
— 55°C/55°C - 131°F/131°F	A	35,4
— 35°C/55°C - 95°F/131°F	A	33,3
POWER CONSUMPTION		
— 35°C/35°C - 95°F/95°F	W	1.070
— 55°C/55°C - 131°F/131°F	W	1.700
— 35°C/55°C - 95°F/131°F	W	1.600

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	3.000	BTU/h	10.236
COOLING CAPACITY				
— 35°C/35°C - 95°F/95°F	W	3.500	BTU/h	11.942
— 55°C/55°C - 131°F/131°F	W	4.000	BTU/h	13.649
— 35°C/55°C - 95°F/131°F	W	2.700	BTU/h	9.213
Internal airflow (Actual)	M^3/h	850	CFM	500
External airflow (Actual)	M^3/h	1.000	CFM	589

AMBIENT TEMPERATURE RANGE

Maximum	˚C	+55	˚F	+131
Minimum	˚C	-15	˚F	+5
Extended operation range	˚C	-40 to +55	˚F	-40 to +131

ENVIRONMENTAL INFORMATION

Global Warming Potential	GWP	1430
Ozon Depleting Potential	ODP	0
EER (L35/L35)		
— °C	W / W	3,3
— °F	W / W	11,2
REFRIGERANT		
— Type		CFC-free R134a
— Amount	g	920
NOISE LEVEL		
— Day	dB(A)	65
— Night	dB(A)	55

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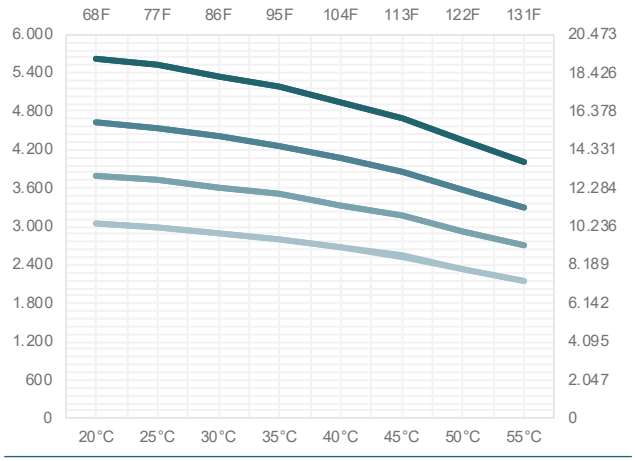
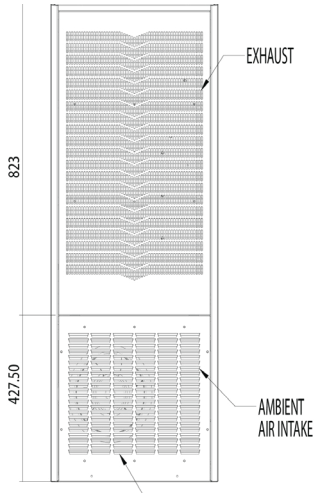
COOLING CAPACITY





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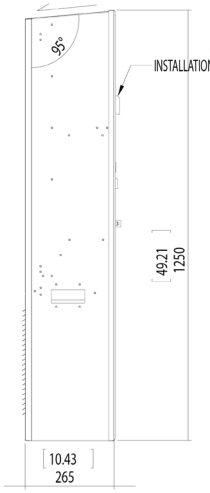

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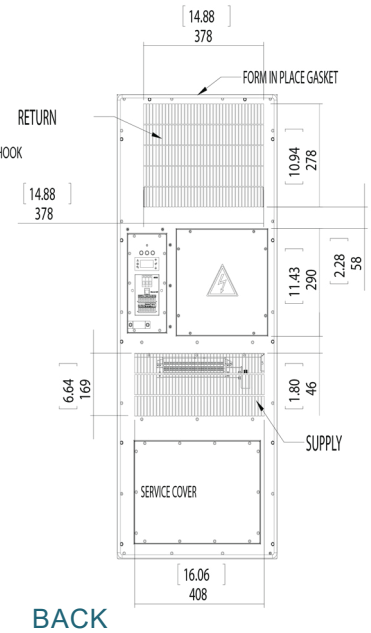

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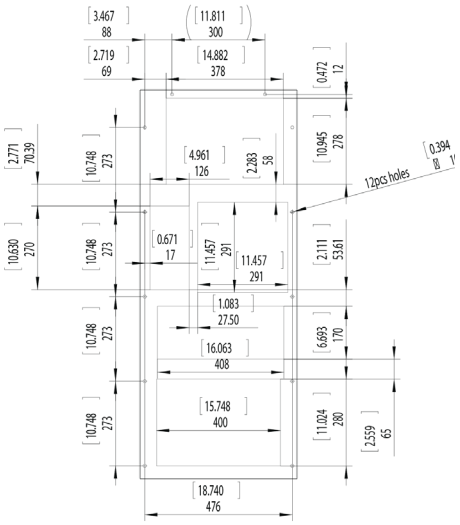

CUT-OUT