



VAK Slim

Series

Slim panel-mounted precision air conditioners, AC or DC powered



Main features

Models in AC and DC

Cooling performance range: 400W to 7000W

Eco-friendly refrigerant CFC-free R513A / R134A

Designed for configuration and added features

Advanced electronic controller with user-friendly interface

Tailored for cyclic and non-cyclic operation

Lightweight for easy handling and transport

Application

Designed for enclosures with sensitive electronics that need strict thermal control

- Telecommunications equipment
- EDGE data center solutions
- Energy storage solutions
- Industrial automation
- Security and defense systems

Standards, tests and approvals

- P65 (IEC60529)
- CE, UL/cUL
- NEMA-3R
- RoHs/REACH/CLP
- Telcordia GR-487 capable

Contact Vikinor

- Sales request: sales@vikinor.com
- Service & maintenance: service@vikinor.com
- www.vikinor.com

Controls

- Active cooling capacity regulation
- User-friendly interface w. display
- Alarm output
- Ethernet communication interface
- Designed for cyclic off-grid application w. battery power backup
- Enabled for web-based remote management
- Integrated enclosure heating function and cold-weather package
- Day- and night-mode operation
- Password protected set point adjustment
- Redundancy functionality for 2 units operation
- Soft-starting functionality

Easy to install

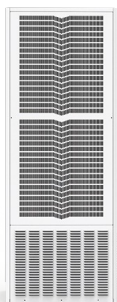
- Standard outside mounted; optional installation with partially recessed mounting

Series

Features for VAK Slim

Standard and optional features for all products in the VAK Slim series

Features		
	Standard	Optional
Aluzinc material with RAL color 9016	✓	
Lead-lag control functionality	✓	
Input and control logic (smoke detector & door contact)	✓	
Day and night-time operation modes	✓	
Pre-mounted gasket	✓	
Modbus RTU	✓	
Epoxy-coated condenser	✓	
Self-test functionality	✓	
Over-voltage and under-voltage protection	✓	
Product material: aluminum, stainless steel		✓
Increased corrosion protection		✓
Customer control parameter settings		✓
Flanges for partial recess-mounting		✓
Custom RAL color coating, texture and gloss factor		✓
Enclosure heater package (500W / 1000W)		✓
Cold weather package		✓
Accessories		
Air filter for external air flow		✓
Sand trap		✓
SNMP V2 Level 3 Access		✓
Condensate management		✓



VAK 7000 Slim

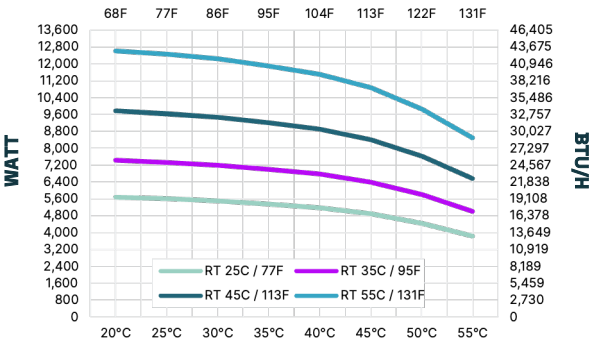
A2 & D3 model specifications

Product series name	VAK 7000 AC SLIM		VAK 7000 DC SLIM	
Model	A2		D3	
Part numbers				
Refrigerant	R513a		R513a	
Modbus RTU	1830412		1830098 / 1830212	
SNMP V2 Level 3 Access	1830462		1830262	
Cooling performance				
	Watt	BTU/h	Watt	BTU/h
Nominal	7,000	24,000	7,000	23,900
At 35°C/35°C (95°F/95°F)	7,000	24,000	7,000	23,900
At 55°C/55°C (131°F/131°F)	8,500	29,000	9,000	30,700
At 35°C/55°C (95°F/131°F)	5000	17,060	6,000	20,470
	m3/hr.	CFM	m3/hr.	CFM
Airflow, internal loop	2,040	1,200	2,000	1,175
Airflow, external loop	2,295	1,350	2,600	1,530
Heater (Watt)	Standard: 1000 W (Optional 500 W or without heater)			
Electrical data				
	VAC		VDC	
Nominal voltage	230, 50/60 Hz		48	
Operating range	185 - 253		42-58	
Extended operating voltage range with curtailed operation	184 – 276		37-60	
	Watt		Watt	
Power consumption at 35°/35°C and 95°F/95°F	2,300		2,150	
Power consumption at 55°/55°C and 131°F/131°F	2,900		3,100	
	Amp		Amp	
Current at 35°/35°C and 95°F/95°F	12.5		45	
Starting current (A)	5.0		30	
Heater operating current (Amp)	5		22	
Heater starting current (Amp)	5		35	

Product series name	VAK 7000 AC SLIM		VAK 7000 DC SLIM	
Model	A2		D3	
Ambient temperature range				
	°C	°F	°C	°F
Maximum	55	131	55	131
Minimum	-40	-40	-40	-40
Minimum w. cold-weather package	-40	-40	-40	-40
Unit design				
Material	Standard: Aluzinc Steel (Optional: Stainless Steel or Aluminum)			
Finish	Powder Coat RAL 9016 Traffic White			
Protection	IP 65, NEMA 3R / 4,4X			
Refrigerant	Standard: Low GWP R513a (Optional: R134a)			
Agency Approvals / Standards	CE, ETL / UL, RoHS / REACH / CLP, Telcordia GR-487 capable			
Sound Level at 1.5 m dB(A)	65 (Normal Operation) / 55 (Night Mode with noise abatement)			
Controller				
Description	Smart controller			
	°C	°F	°C	°F
Controller setting (cabinet)	28	82	28	82
Unit dimensions & weight				
	mm.	in.	mm.	in.
Height	1,650	65.0	1,650	65.0
Width	610	24.0	610	24.0
Depth	470	18.5	470	18.5
	kg	lb.	kg	lb.
Weight	95	209	125	275

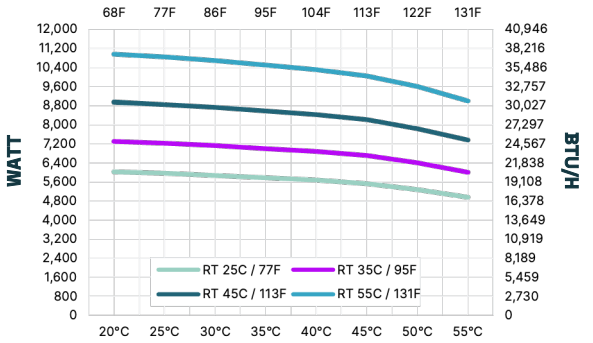
Cooling capacity (50Hz)

VAK 7000 Slim (A2 / 230 VAC)

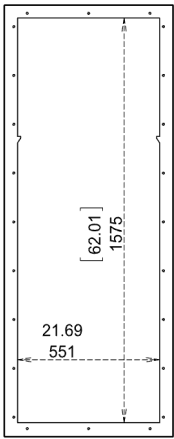


Cooling capacity

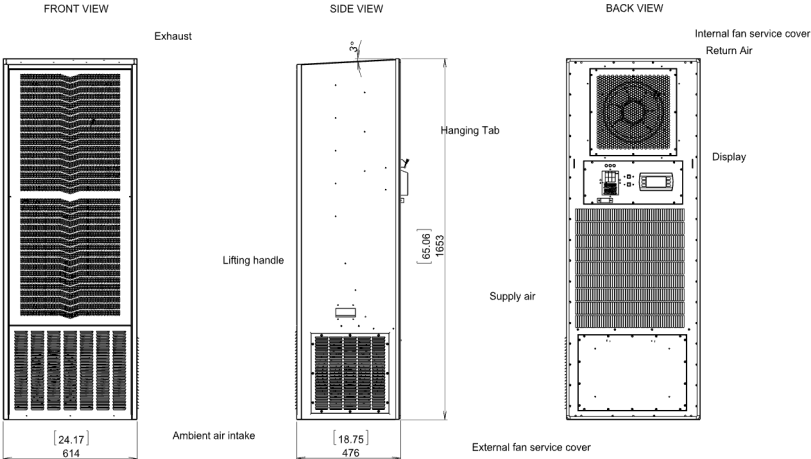
VAK 7000 Slim (D3 / 48 VDC)



Cut-out drawing in mm (in.)
view from inside door



Product dimension in mm (in.)



360° rotation view

