



VAX Narrow

Series

Narrow panel-mounted precision air conditioners w. heat exchanger, AC, DC or dual powered



Main features

Models in AC and DC or dual feed AC/DC

Cooling performance range: 1,500W to 6,000W

Integrated economizer from indirect free-cooling

Eco-friendly refrigerant CFC-free R513A

Optimized for high-density micro data centers, providing reliable cooling capacity

Advanced electronic controller with user-friendly interface

Lightweight for easy handling and transport

Application

Designed for enclosures with sensitive electronics that need strict thermal control

- Micro data centers solutions
- Telecommunications equipment
- Energy storage solutions
- Security and defense systems

Standards, tests and approvals

- IP65 (IEC60529)
- CE, UL/cUL
- NEMA 4/4X
- RoHs/REACH/CLP
- Telcordia GR-487 capable
- IEC-60335-2-40
- UL-60335-2-40

Contact Vikinor

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

Controls

- Active cooling capacity regulation
- User-friendly control interface w. display
- 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
- Dual-power architecture w. AC-driven cooling & automated safety failover to DC-powered heat exchange
- Open-protocol communication supporting SNMP v2 L3 and Modbus RTU for seamless integration
- Integrated sensors for temperature, humidity, water detection, and door status
- Engineered to support stringent North American regulatory environments, including UL/ETL

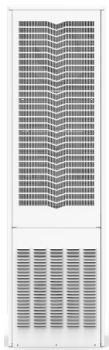
Easy to install

- Standard outside mounted; optional installation with partially recessed mounting

Features for VAX Narrow

Standard and optional features for all products in the VAX Narrow series

Features		
	Standard	Optional
Indirect DC powered free-cooling function (heat exchange)	✓	
Aluzinc material with RAL color 9016	✓	
Lead-lag control functionality	✓	
Input and control logic (smoke detector, door contact, humidity)	✓	
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		✓



VAX N6000 Narrow

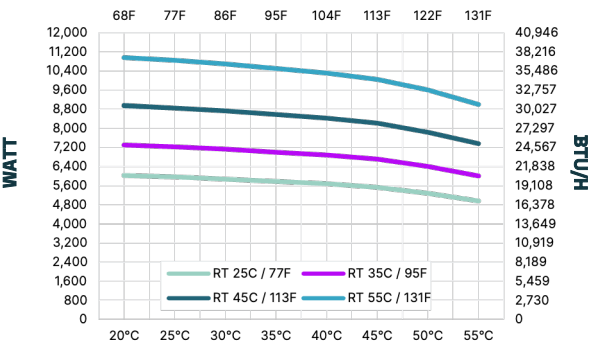
A2 & AD model specifications

Product series name	VAX N6000 AC Narrow		VAX N6000 AD Narrow	
Model	A2		AD – 230VAC/48VDC	
Part numbers				
Refrigerant	R513a		R513a	
Modbus RTU	1834902		1834922	
SNMP V2 Level 3 Access	1834912		1834932	
Cooling performance				
Active Cooling	Watt	BTU/h	Watt	BTU/h
Nominal	6,000	20,472	6,000	20,472
At 35°C/35°C (95°F/95°F)	6,000	20,472	6,000	20,472
At 55°C/55°C (131°F/131°F)	6,500	22,178	6,500	22,178
At 35°C/55°C (95°F/131°F)	4,500	15,354	4,500	15,354
	m3/hr.	CFM	m3/hr.	CFM
Airflow, internal loop	1,400	824	1,400	824
Airflow, external loop	1,700	1,000	1,700	1,000
Heater (Watt)	Standard: 1000 W (Optional 500 W or without heater)			
Electrical data				
Active Cooling	VAC		VAC	VDC
Nominal voltage	230, 50/60 Hz		220-230, 50/60 Hz / 48VDC	
Operating range	185 - 253		198-253 / 42-60	
Extended operating voltage range with curtailed operation	184 – 276		184 – 276 / 42-60	
	Watt		Watt	Watt
Power consumption at 35°/35°C and 95°F/95°F	1,680		1,200	470
Power consumption at 55°/55°C and 131°F/131°F	1,990		1500	470
	Amp		Amp	Amp
Current at 35°/35°C and 95°F/95°F	8.1		7.0	9.8
Starting Current (A)	4.0		4	4

Product series name	VAX N6000 AC Narrow		VAX N6000 AD Narrow	
Model	A2 – 230 VAC		AD – 230VAC/48VDC	
Cooling performance, Economizer function				
Indirect Free-Cooling	Watt / K	Watt / F	Watt / K	Watt / F
Nominal	160	89	160	89
	Watt	BTU/h	Watt	BTU/h
Cooling @ Δ19°C	3,040	10,373	3,040	10,373
	m3/hr.	CFM	m3/hr.	CFM
Airflow, internal loop	1,400	824	1,400	824
Airflow, external loop	1,700	1,000	1,630	959
Electrical data, Economizer function				
	Watt		Watt	
Power consumption	520		487	
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 CFC-free R513a			
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	1,600	63	1,600	63
Width	450	17.7	450	17.7
Depth	400	15.75	400	15.75
	kg	lb.	kg	lb.
Weight	85	187	83	182.6

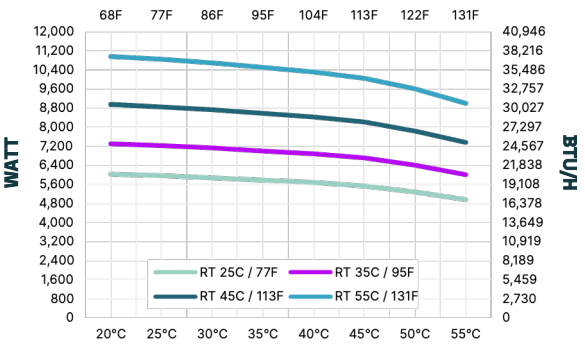
Cooling capacity (50Hz)

VAX N6000 Narrow (A2 / 230 VAC)

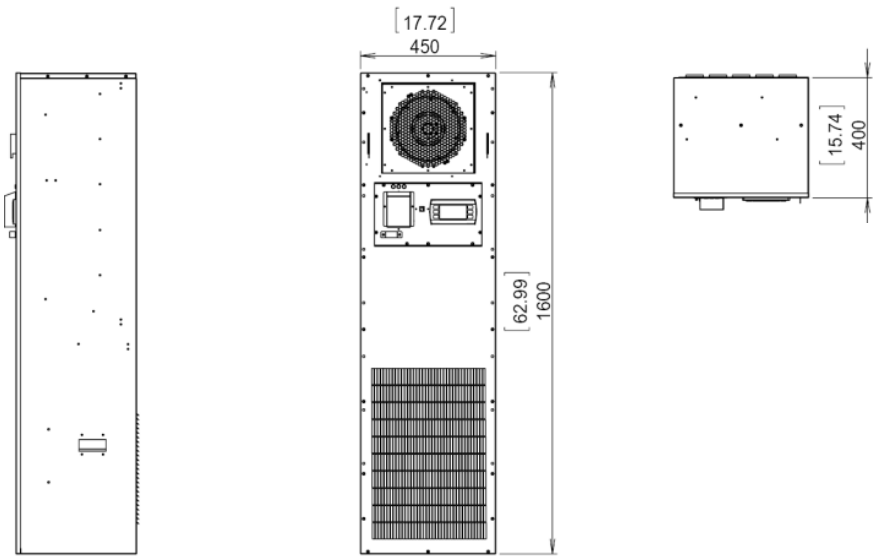


Cooling capacity

VAX N6000 Narrow (AD / 230VAC / 48 VDC)



Product dimension in mm (in.)



360° rotation view

