

# DC Split Air Conditioner Series

*Cool products for hot environments*



## VAS-3500-DC

### APPLICATION:

Designed for rooms with sensitive electronics that need strict thermal control

- Telecommunications equipment
- Small data rooms and data centers

### CONTROLS:

- Closed control unit
- Display on front panel and wireless remote controller with LCD screen; include auto swing louvers on indoor unit.
- Alarm output
- Password protected set point adjustment
- Ethernet IP communication interface for remote monitoring and management

### STANDARDS, TESTS, AND APPROVALS:

- CE
- RoHs/REACH/CLP
- Every unit is functionally tested before shipping

### EASY TO INSTALL:

- Outdoor unit is easy to install on outdoor wall or base on ground.
- Indoor units is easy to install on indoor wall.
- Easy-connection of electrical and cooling system

### Redundancy:

- Each outdoor unit can operate with one or two indoor units.

### CONTACT VIKINOR:

- sales request: [sales@vikinor.com](mailto:sales@vikinor.com)
- service & maintenance: [service@vikinor.com](mailto:service@vikinor.com)
- Homepage: [www.vikinor.com](http://www.vikinor.com)



## RELIABLE DC POWERED SPLIT AIR CONDITIONER

### PRODUCT DESCRIPTION

- Split DC air conditioner 48 VDC models
- Cooling Capacity: 3500 W / 12000 BTU/h
- Washable filter in indoor unit
- Environmentally responsible refrigerant CFC-free R134a (Ozon depleting factor is 0 and global warming potential GWP is 1300).
- Outdoor unit is powder coated aluzinc material with RAL color 7035 as standard; other colors available
- Low starting current with soft ramp-up and soft ramp-down functions for smooth operation and allowing for optimized power system design
- Designed for industrial applications; split-unit concept; user-friendly assembly and maintenance. Include washable filter.

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Technical specification			
Product Name		VAS-3500-DC-Split Air Conditioner	
Part number/Model		1833001 Variable speed compressor	
Cooling Performance			
<b>Nominal</b>			
	<b>Watt</b>	3500	
	<b>BTU/h</b>	12000	
At 35°C/35°C (95°F/95°F)	Watt	3500	
	BTU/h	12000	
At 55°C/55°C (131°F/131°F)	Watt	4500	
	BTU/h	15300	
At 35°C/55°C (95°F/131°F)	Watt	2800	
	BTU/h	9500	
Airflow, indoor unit	m3/hr./CFM	650 / 383	
Electrical data			
Nominal Voltage	VDC	48 VDC	
Operating Range	VDC	44-57 VDC	
Power Consumption at 35°/35°C and 95°F/95°F)	Watt	875	
Power Consumption at 35°/55°C and 95°F/131°F)	Watt	1000	
Power Consumption at 55°/55°C and 131°F/131°F)	Watt	1250	
Frequency	Phase/Hz	//	
Current at 35°/35°C and 95°F/95°F	Amp	18	
Starting Current (A)		32	
Ambient Temperature Range			
Maximum	°C/°F	55°C / 131 °F	
Minimum	°C/°F	-15°C / 5°F	
Unit Design			
Material, outdoor		Aluzinc Sheet Metal Standard (Optional: SGCC/Stainless Steel/Aluminum)	
Finish, outdoor		Powder Coat RAL 7035 - Light Gray Standard	
IP Protection, outdoor		IP 44	
Refrigerant		R134a	
Agency Approvals/Standards		CE, RoHS/REACH/CLP	
Sound Level at 1.5 Meters, outdoor unit	dB(A)	62	
Sound Level at 1.5 Meters, indoor unit	dB(A)	38	
Controller			
Description		Smart Controller with remote control	
Controller Setting (Indoor)	°C/°F	27 / 81	
Unit Dimensions			
Height (indoor // outdoor)	mm/in.	245 / 9.7 //	534 / 21.0
Width	mm/in.	775 / 30.5 //	750 / 29.5
Depth	mm/in.	190 / 7.5 //	282 / 11.1
Weight, indoor unit	kg/lb.	11 / 24.3	
Weight, outdoor unit	kg/lb.	45 / 99.2	

VKN Revision: E16106/01

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## Products pictures: Outdoor unit, indoor unit



### Standard features:

- Aluzinc material with RAL color 7035 as standard
- Mounting kit for indoor installation

### Optional features:

- Low-outdoor-temperature kit/package
- Product material available: SGCC, aluminum, stainless steel
- Optional color RAL 7021, other colors available
- Customer control parameter settings
- Self-test functionality

### 2D and 3D drawings:

- Contact Vikiner in order to get 2D and 3D CAD drawings to be used in the overall design of electronics system

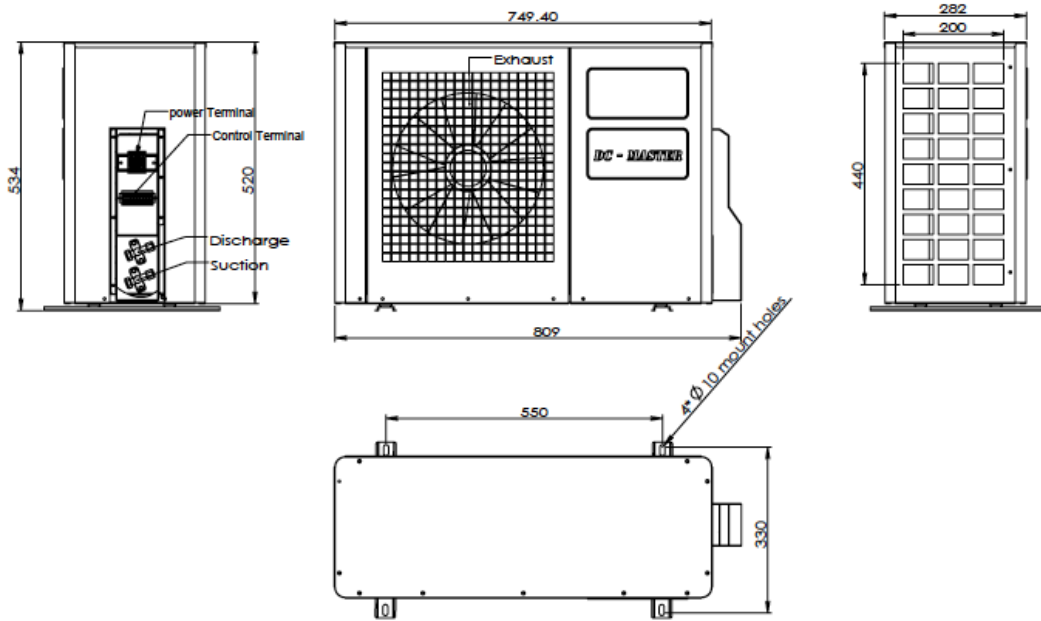
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## Product dimension in mm

### Outdoor unit



### Indoor unit

