

AIRSYS Telecool

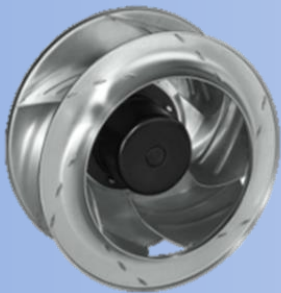
DC Cabinet Air Conditioning Unit, 1500-4000W

Product Overview

- Variable Capacity door-mounted cooling solution designed for electronic cabinets
- 100% DC Powered with built-in thermostat, dry contact alarming, and remote monitoring through RS485
- Optional integrated economizer featuring seamless changeover



Optimized Efficiency



- Quieter, more efficient EC centrifugal fan offers highly favorable efficiency curve compared to conventional AC Fan
- Variable speed compressor continuously adjusts to precisely track the internal heat load for lowest energy usage

Exceptional Reliability

- State of the art components chosen for their industry leading quality and long-term reliability
- Decades of experience with design and manufacture of Telecool systems with tens of thousands of units shipped and installed worldwide

Features

Compressor Soft Start Remote Monitor/Control Options

Dry contact outputs available for:

- Power Loss
- Low/High Temperature
- Fan Alarm
- Heater Alarm

Remote Monitoring also available through RS485.

Dual Layer Exterior Protection

Galvanized steel exterior coated with an additional layer of thermoset polymer provides two layers of protection against corrosion.

Extreme Temperature Range

Designed for operation between -40°C/-40°F and 55°C/131°F ambient temperature.

Customizable Operation

Built-in thermostat with customizable operating and alarming parameters. Automatic self-test at power on allows efficient onsite maintenance.

Top Exhaust / Bottom Throw Design

Taking advantage of simple physics (hot air rises), the top exhaust, bottom throw design increases overall system efficiency by as much as 15% when compared to bottom exhaust systems.



AIRSYS
Balance the Environment

Technical Data (DC, No Free Cooling)

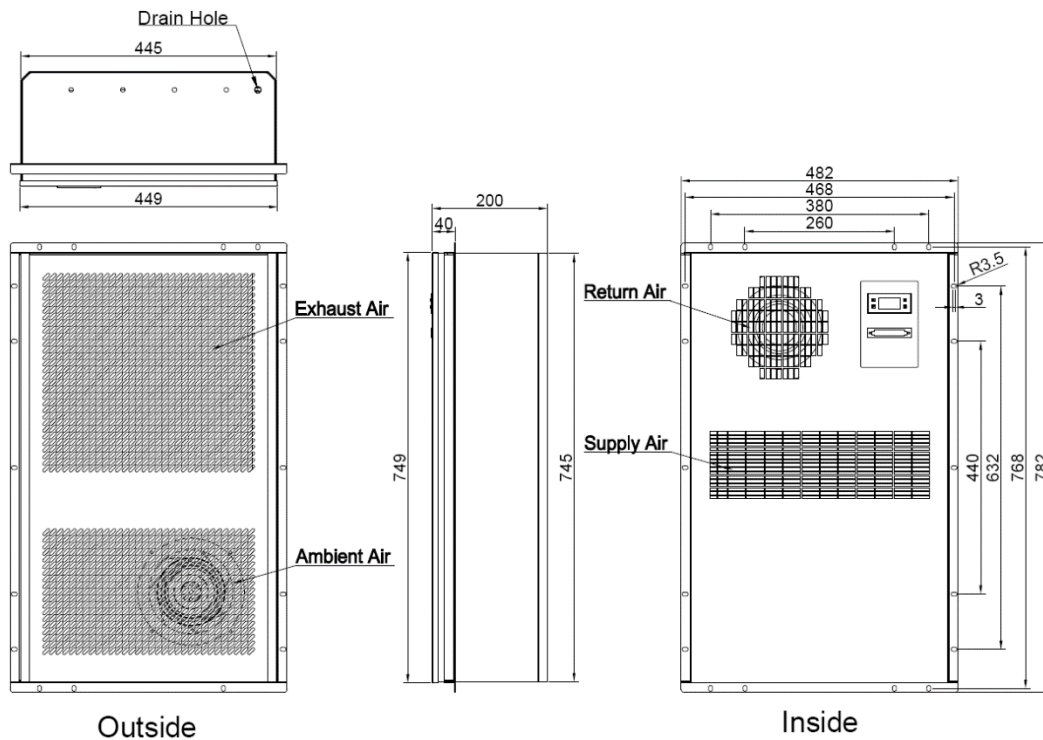
Model Number		ACA015ED1	ACA030ED1	ACA040ED1
Performance				
Cooling Capacity	@ 35°C IDT / 35°C ODT (95°F/95°F)	1,500 W / 5,100 BTU	3,000 W / 10,200 BTU	4,000 W / 13,600 BTU
	@ 35°C IDT / 55°C ODT (95°F/131°F)	950 W / 3,200 BTU	1,700 W / 5,800 BTU	2,450 W / 8,400 BTU
COP/EER	@ 35°C IDT / 35°C ODT (95°F/95°F)	3.75 / 12.8	3.49 / 11.9	3.48 / 11.9
	@ 35°C IDT / 55°C ODT (95°F/131°F)	1.93 / 6.5	1.66 / 5.6	1.78 / 6.0
Electrical Heater Capacity		N/A	N/A	N/A
Indoor Air Volume		440 m3/h / 260 CFM	800 m3/h / 470 CFM	1050 m3/h / 620 CFM
Free Cooling Air Volume		N/A	N/A	N/A
Electrical Specifications				
Power Supply		40-57 VDC	40-57 VDC	40-57 VDC
Max Current		12A	25A	35A
Refrigerant		R-134A	R-134A	R-134A
Physical Specifications				
Height		782 mm / 30.8 in	1201 mm / 47.3 in	1350 mm / 53.1 in
Width		482 mm / 19.0 in	536 mm / 21.1 in	550 mm / 21.6 in
Depth		200 mm / 7.9 in	225 mm / 8.9 in	300 mm / 11.8 in
Weight		34 kg / 75 lbs.	55 kg / 121 lbs.	75 kg / 165 lbs.

Technical Data (DC, With Free Cooling)

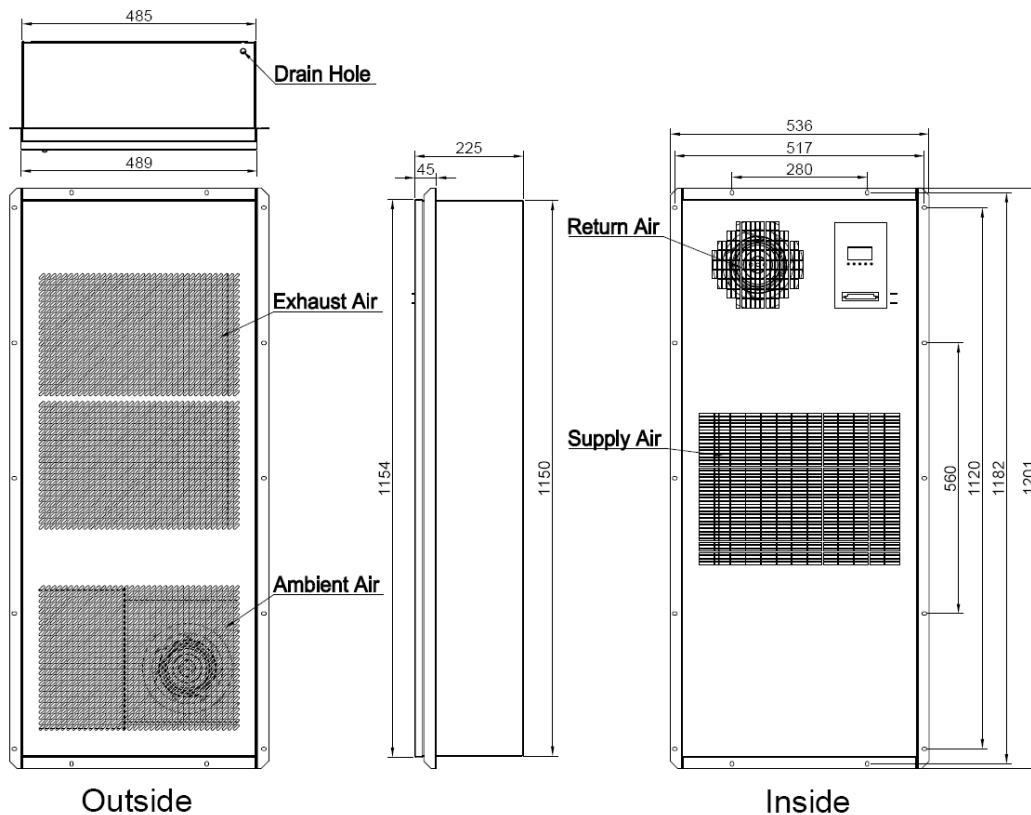
Model Number		ACA-FC015ED1	ACA-FC030ED1	ACA-FC040ED1
Performance				
Cooling Capacity	@ 35°C IDT / 35°C ODT (95°F/95°F)	1,500 W / 5,100 BTU	3,000 W / 10,200 BTU	4,000 W / 13,600 BTU
	@ 35°C IDT / 55°C ODT (95°F/131°F)	870 W / 3,000 BTU	2,200 W / 7,500 BTU	2,400 W / 8,200 BTU
COP/EER	@ 35°C IDT / 35°C ODT (95°F/95°F)	3.49 / 11.9	3.53 / 12.0	3.63 / 12.4
	@ 35°C IDT / 55°C ODT (95°F/131°F)	1.42 / 4.9	2.14 / 7.3	1.75 / 6.0
Electrical Heater Capacity		600 W	900 W	900 W
Indoor Air Volume		450 m3/h / 265 CFM	800 m3/h / 470 CFM	1050 m3/h / 620 CFM
Free Cooling Air Volume		450 m3/h / 265 CFM	800 m3/h / 470 CFM	1050 m3/h / 620 CFM
Electrical Specifications				
Power Supply		40-57 VDC	40-57 VDC	40-57 VDC
Max Current		16A	25A	35A
Refrigerant		R-134A	R-134A	R-134A
Physical Specifications				
Height		1300 mm / 51.2 in	1600 mm / 63.0 in	1800 mm / 70.9 in
Width		500 mm / 19.7 in	550 mm / 21.7 in	600 mm / 23.6 in
Depth		250 mm / 9.8 in	300 mm / 11.8 in	350 mm / 13.8 in
Weight		65 kg / 143 lbs.	80 kg / 176 lbs.	110 kg / 242 lbs.

Product Dimensions

MODEL: ACA015ED1

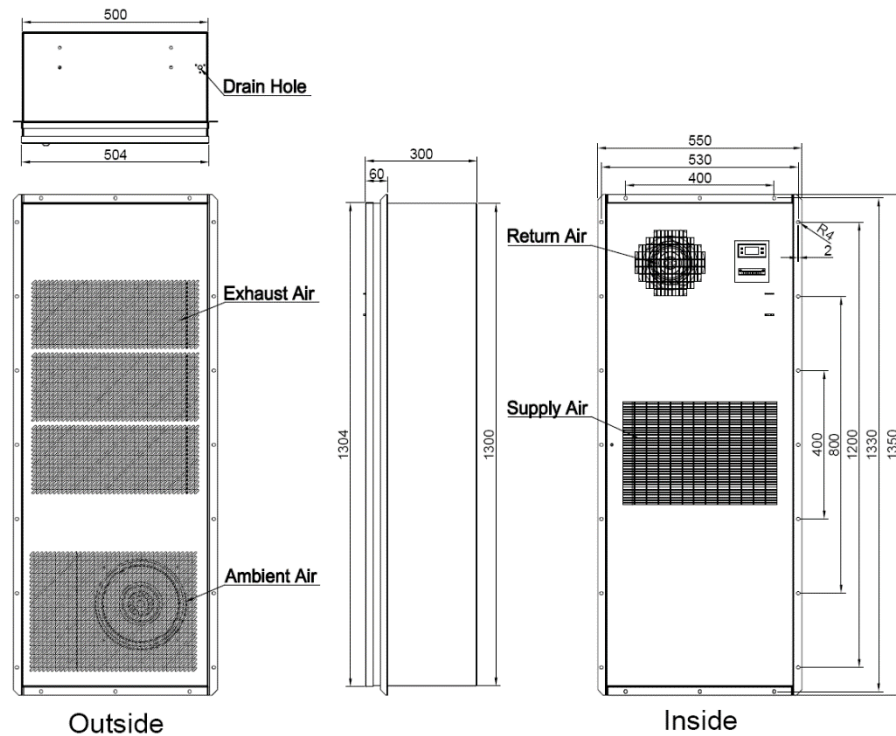


MODEL: ACA030ED1

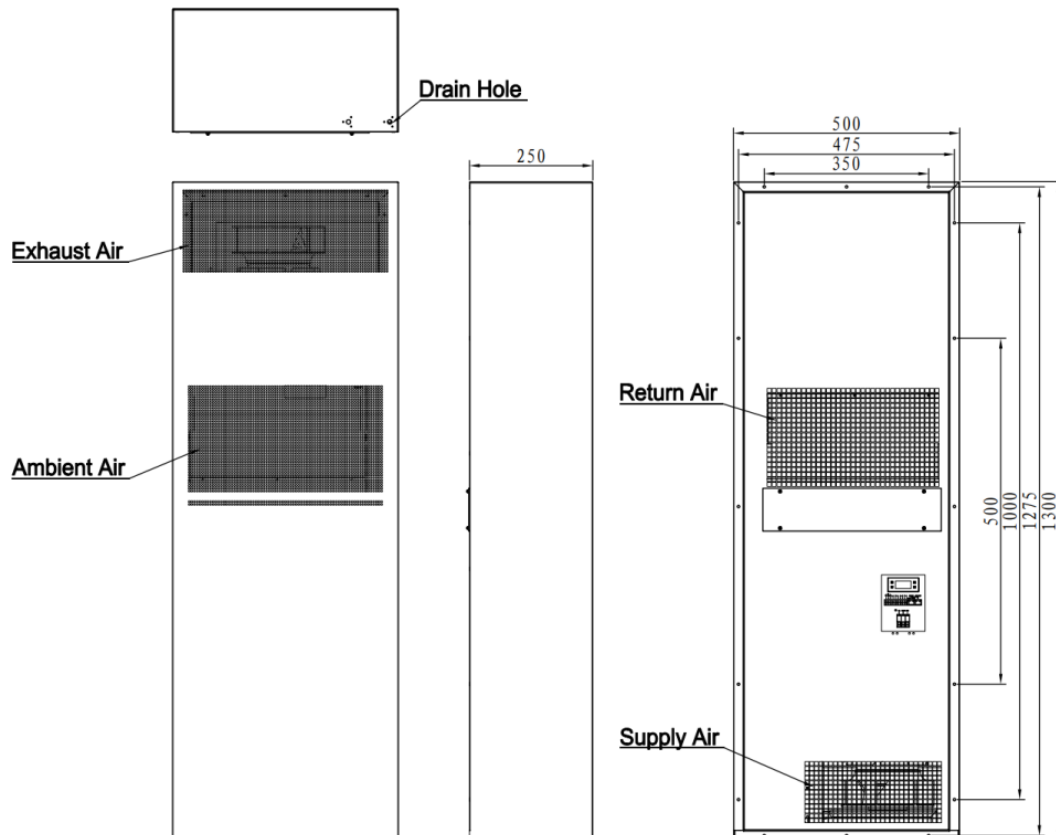


Product Dimensions

MODEL: ACA040ED1

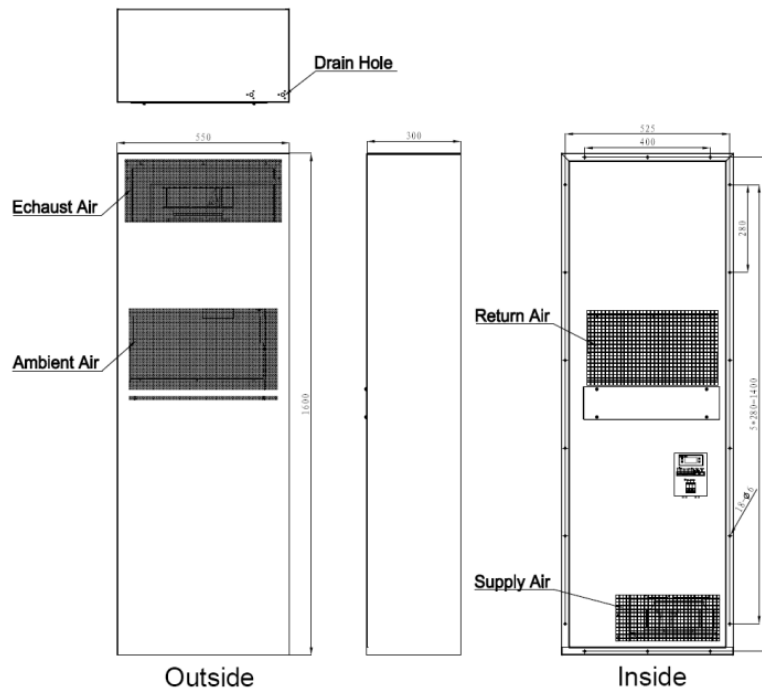


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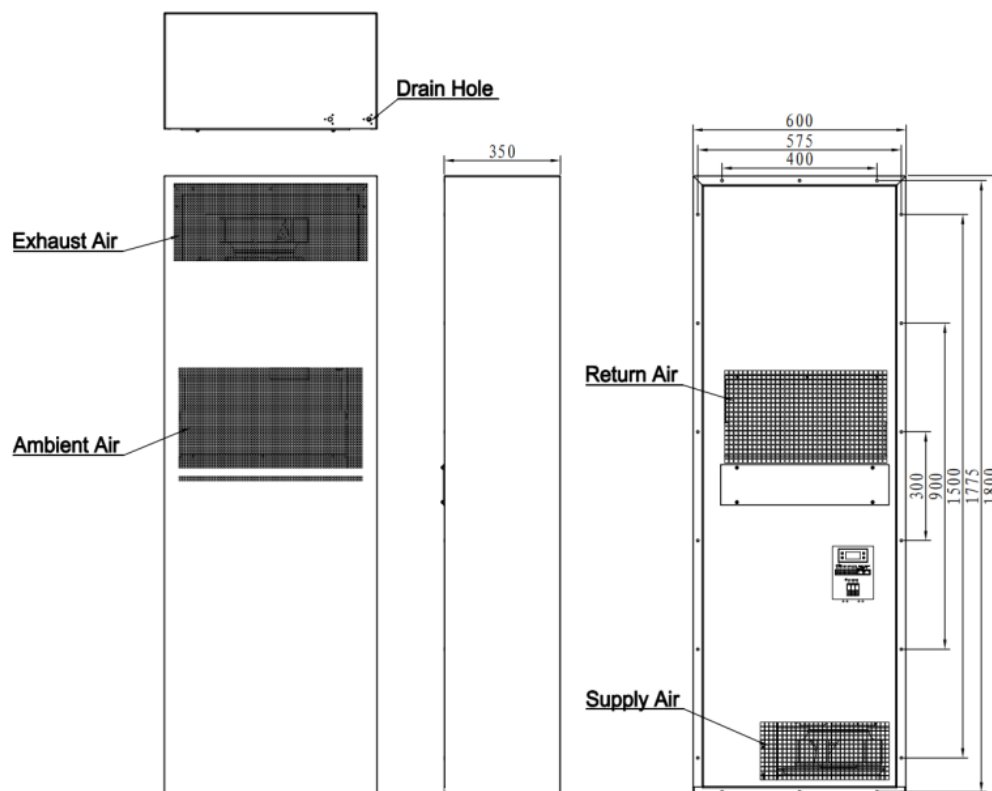


Product Dimensions

MODEL: ACA-FC030ED1



MODEL: ACA-FC040ED1



Clearance

