

DANTHERM

COOLING

EcoFlow® Series

Economizer Style Unit with Easy Retrofit As A Back-up Cooling System



DANTHERM
COOLING

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About Dantherm Cooling

Performance Cooling

Over the past 28 years, Dantherm cooling has established itself as a leader in innovative cooling systems, supplying more than 350,000 climate control units to mission critical applications. By applying our passion for performance and quality throughout our company, we have become known for providing outstanding products and an exceptional customer experience.

Our innovative, highly engineered product lines feature industry leading technology to deliver outstanding performance, operate efficiently and perform reliably in extreme climate conditions. Backed by our experienced design team, quality manufacturing processes and extensive testing and certification practices, Dantherm Cooling can provide customers with engineered solutions to their most challenging applications.

Our passion and success in building an industry leading business compels us to invest in those around us. From our employee centric culture, to our ongoing community outreach, we are committed to use our business as a catalyst for positivity in the lives of those around us.



EcoFlow[®]

Dantherm EcoFlow[®] patented technology, cabinet cooling systems are designed to be used in conjunction with our PrecisionAir[®] cabinet series air conditioners. They are easy to install and ready for installation in a wide-range of cooling applications and capacities.

EcoFlow systems mount between the existing PrecisionAir[®] unit and its cabinet to provide free convection cooling with outside cooler ambient air replacing the higher temperature internal air. When circumstances cause the air conditioner to shut-down the EcoFlow independent fan turns on and forces cooler ambient air into the cabinet and moves the warmer air outside throughout the unit. The design has been optimized to keep dust and contaminants out of the incoming air stream.

EcoFlow®

An Economizer Style Unit with Easy Retrofit As A Back-up Cooling System

EcoFlow® technology is the ideal solution when paired with the PrecisionAir® cabinet series air conditioner and utilized as an emergency back-up until normal external power is restored.

- Self-contained, independent ambient free air cooling
- Cabinet Mounted Units feature high-quality, high-performance, high-static pressure BCI fan
- Unit is very efficient and has extended runtime during back-up emergency power requirements
- Both AC and DC powered units available
- Unit employs passive, free convection air cooling technology
- Outside air manifold is designed to reduce noise and provide protection from airborne contaminants
- Stainless steel material and custom paint finishes

Engineered Performance

Designed to Meet Demanding Customer Requirements

Patented Technology

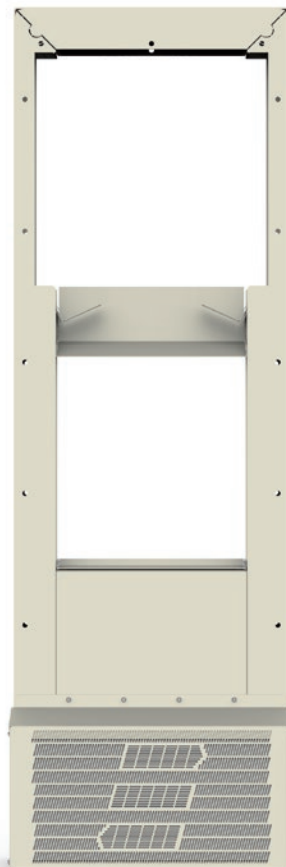
Unique **patented** solution for emergency cooling in mission critical applications

Retrofittable

Designed to be installed in new or existing applications without modifications

Energy Efficient

Engineered performance with high-static BCI fans that use 40-60% less energy



Optimized Cooling

Powerful cooling designed to perform in high ambient temperatures

Quiet Performance

Designed to reduce noise and ideal for sound sensitive applications

Low Maintenance

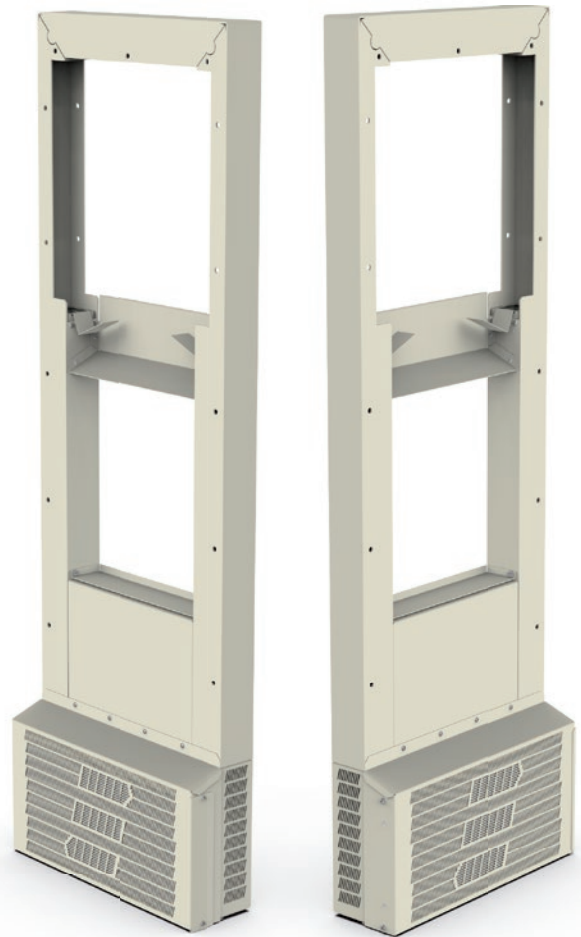
Lightweight and easy to install with minimal maintenance requirements

EcoFlow®

Verified Performance, Quality Assured

Dantherm Cooling's commitment to high-quality innovation, manufacturing and customer support is demonstrated by the standards we keep.

Our products are routinely used in critical infrastructure applications where our customers require the highest performance, quality and reliability standards. Third party certification and verification gives customers a sense of security knowing that our products have been independently tested to perform to the caliber we claim.



Dantherm Cooling's ISO 9001:2105 certification demonstrates that our business and manufacturing processes meet all international standards for the consistent delivery of high-quality products and services. Regular audits and process reviews ensure consistent manufacturing performance.



Through our partnership with Underwriter's Laboratory (UL), UL has certified that all Dantherm Cooling materials and products, as well as specific testing procedures and documentation, have been thoroughly inspected for safety and quality, and meet or exceed established standard requirements.

EF-50-x-48-P04

CAPACITY

50 - 50 W/°F
130 - 130 W/°F

VOLTAGE

115 - 115 volt / single phase
230 - 230 volt / single phase
24 - 24 VDC
48 - 48 VDC

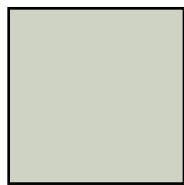
OPTIONS

M - STAINLESS STEEL COVER
PXX - NON STANDARD PAINT COLOR
T1 - EXTERNAL FAN THERMOSTAT

MOUNTING

BLANK - EXTERNAL MOUNT
6 - MOUNT TO PA-6
10 - MOUNT TO PA-10

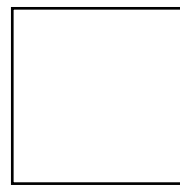
Color Options



04 - P04 Beige



20 - P20 White

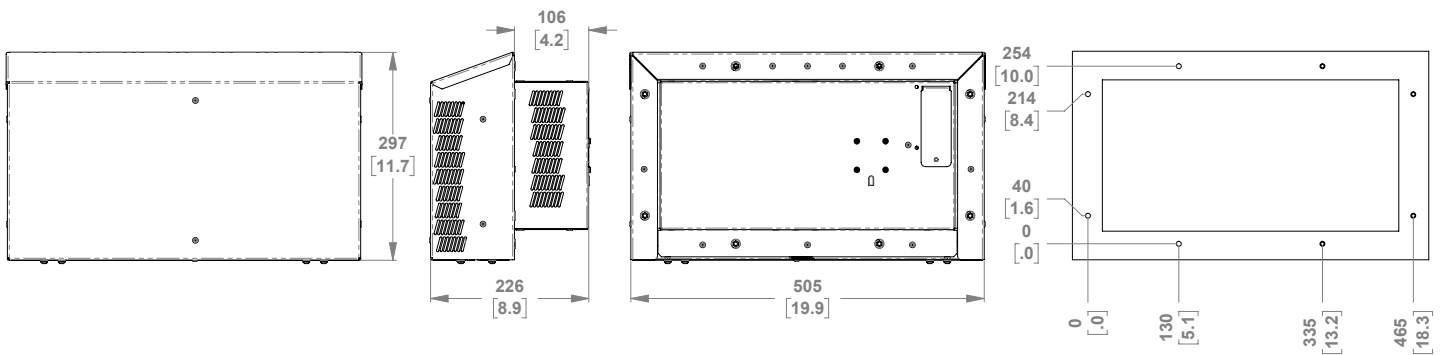
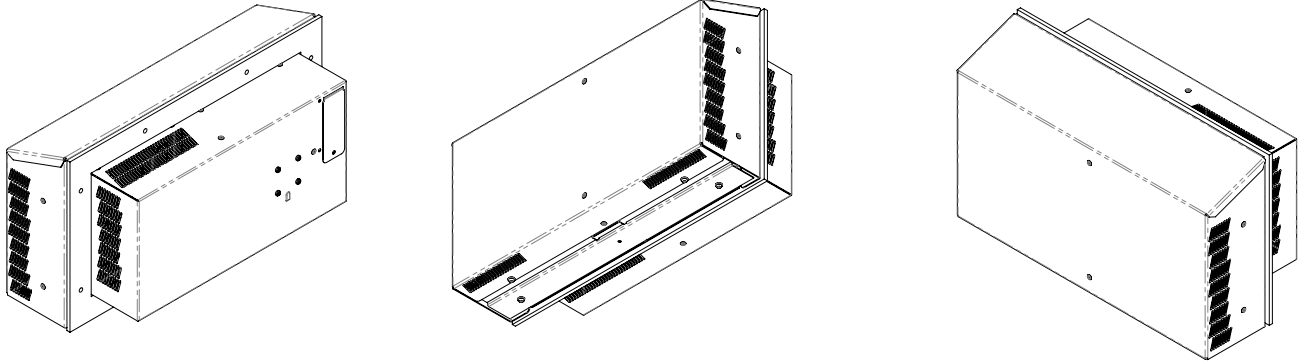


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EcoFlow® 50

Dimensional Drawings



NOTES:

- 1) UNITS = MM [IN]
- 2) STEP FILES AVAILABLE ON REQUEST

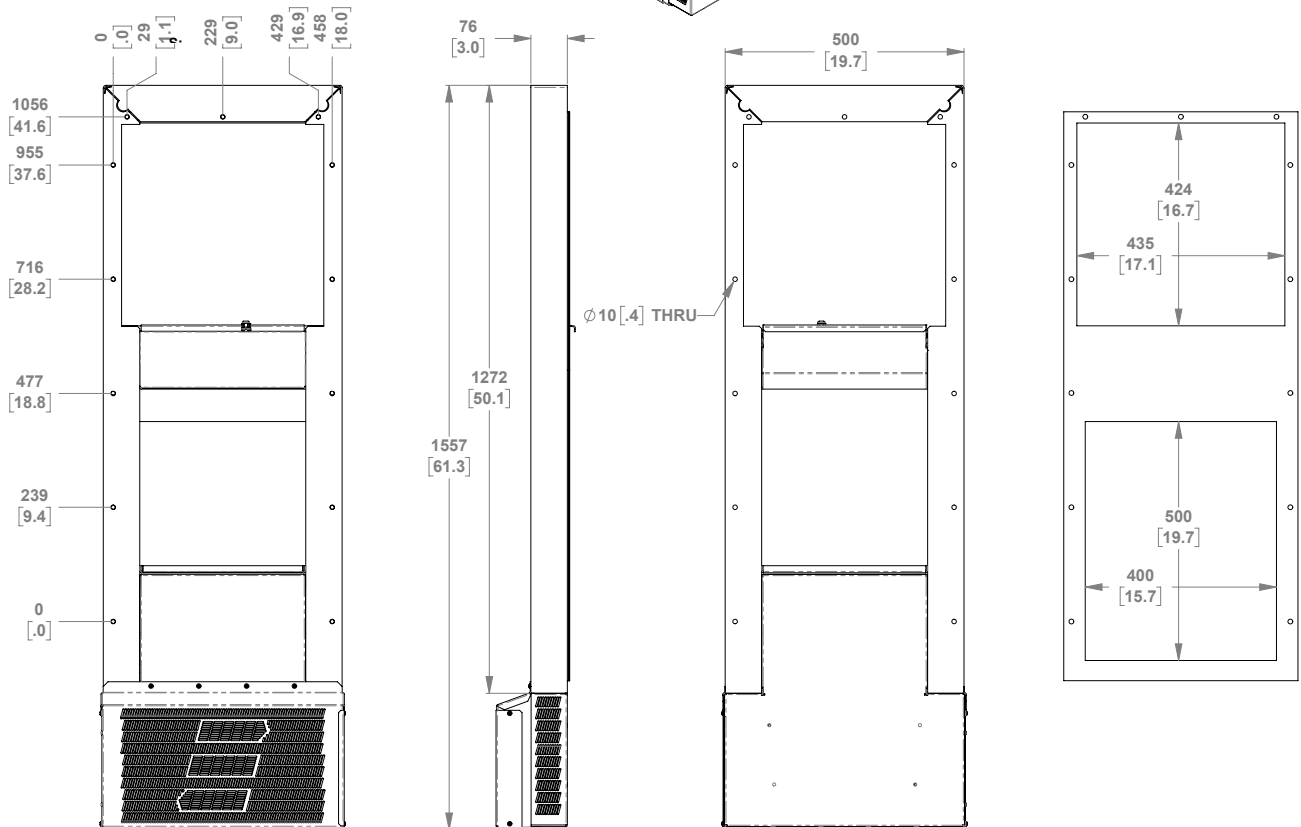
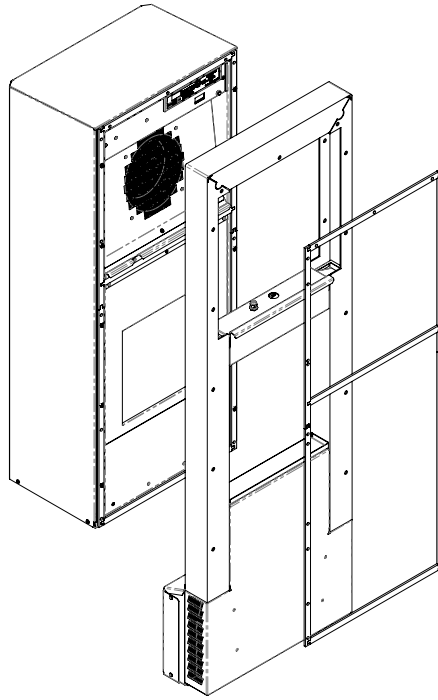
EcoFlow® 50

Technical Data

	UNITS	
MODEL NUMBER	--	EF-50-24
MOUNTING TYPE	--	Outdoor
UNIT DIMENSIONS [HxWxD]	Inches [mm]	61.3x19.7x3 [1556x500x73]
WEIGHT	Lbs [kg]	25 [12]
COOLING CAPACITY 131°F INTERNAL / 131°F AMBIENT	W/°F [W/°C]	1700 [6,700]
OPERATIONAL TEMPERATURE RANGE	°F [°C]	-40 to 131 [-40 to 55]
MAXIMUM AIRFLOW	CFM [m ³ /hr]	175 [300]
NOISE 1.5M DISTANCE	dB	62
INPUT VOLTAGE	Volts	24 VDC
CURRENT	Amps	1.5
APPROVALS	--	UL SA12349
CONSTRUCTION	--	Aluzink Steel, Stainless Optional Textured Powder Coat, Color Options Available

EcoFlow® 130

Dimensional Drawings



NOTES:

- 1) UNITS = MM [IN]
- 2) STEP FILES AVAILABLE ON REQUEST

EcoFlow® 130

Technical Data

	UNITS	
MODEL NUMBER	--	EF-130-48
MOUNTING TYPE	--	Outdoor
UNIT DIMENSIONS [HxWxD]	Inches [mm]	61.3x19.7x3 [1556x500x73]
WEIGHT	Lbs [kg]	40 [18]
COOLING CAPACITY 131°F INTERNAL / 131°F AMBIENT	W/°F [W/°C]	4500 [15,300]
OPERATIONAL TEMPERATURE RANGE	°F [°C]	-40 to 131 [-40 to 55]
MAXIMUM AIRFLOW	CFM [m3/hr]	515 [1,130]
NOISE 1.5M DISTANCE	dB	62
INPUT VOLTAGE	Volts	48 VDC
CURRENT	Amps	1.4
APPROVALS	--	PENDING
CONSTRUCTION	--	Aluzink Steel, Stainless Optional Textured Powder Coat, Color Options Available

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