

# DIRECT AIR COOLING (DAC): DOOR MOUNTABLE SYSTEM



PART # AF000402

Revision: 1.4 | March 2023

## TELECOM SHELTER COOLING SYSTEM



### FEATURES

- Patented air-cooling system provides total environmental control for telecom shelters
- Dual, variable speed, and high efficiency blowers apply positive pressure to the shelter
- Includes a Deep Media Filter (MERV 16) (MERV 14 is available)
- Fits doors as narrow as 2'-6" width
- Regulated by the Smart Controller (part # AF000400) that manages up to 3 fans
- Reduces compressor cycling, extends the life of HVACs and reduces HVAC maintenance costs
- Suitable for for harsh marine environments

### BENEFITS

- -48VDC Powered; cools on backed up power during power outages
- Reduces electricity spend for site cooling
- Blocked filter alarm sensor
- Designed for ease of installation (no cranes required)

### SPECIFICATIONS

Dimensions (Door Unit), in	24 W x 42 H x 6.5 D
Dimensions (Exhaust), in	23 W x 26 H x 3 D
Weight (Door DAC Unit) <sup>1</sup> , lbs	75
Colors (Powder Coat)	Grey (others on request)
Equipment heat-load, kW	Up to 12
Operating Temperature Range, F	-20 to 140
Storage Temperature Range, F	-40 to 158

<sup>1</sup> Does not include exhaust kit or pallet weight

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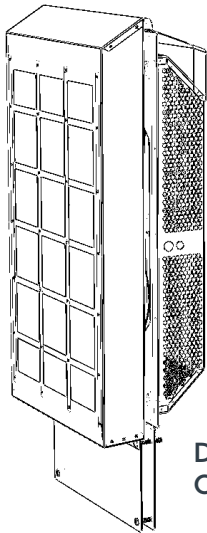


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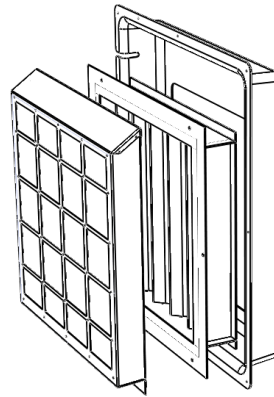
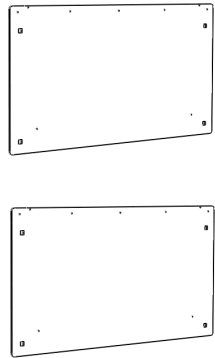
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## DIMENSIONS & EQUIPMENT SETUP OPTIONS

### KIT COMPONENTS



DOOR INTAKE UNIT &  
OPTIONAL ADAPTER PLATES

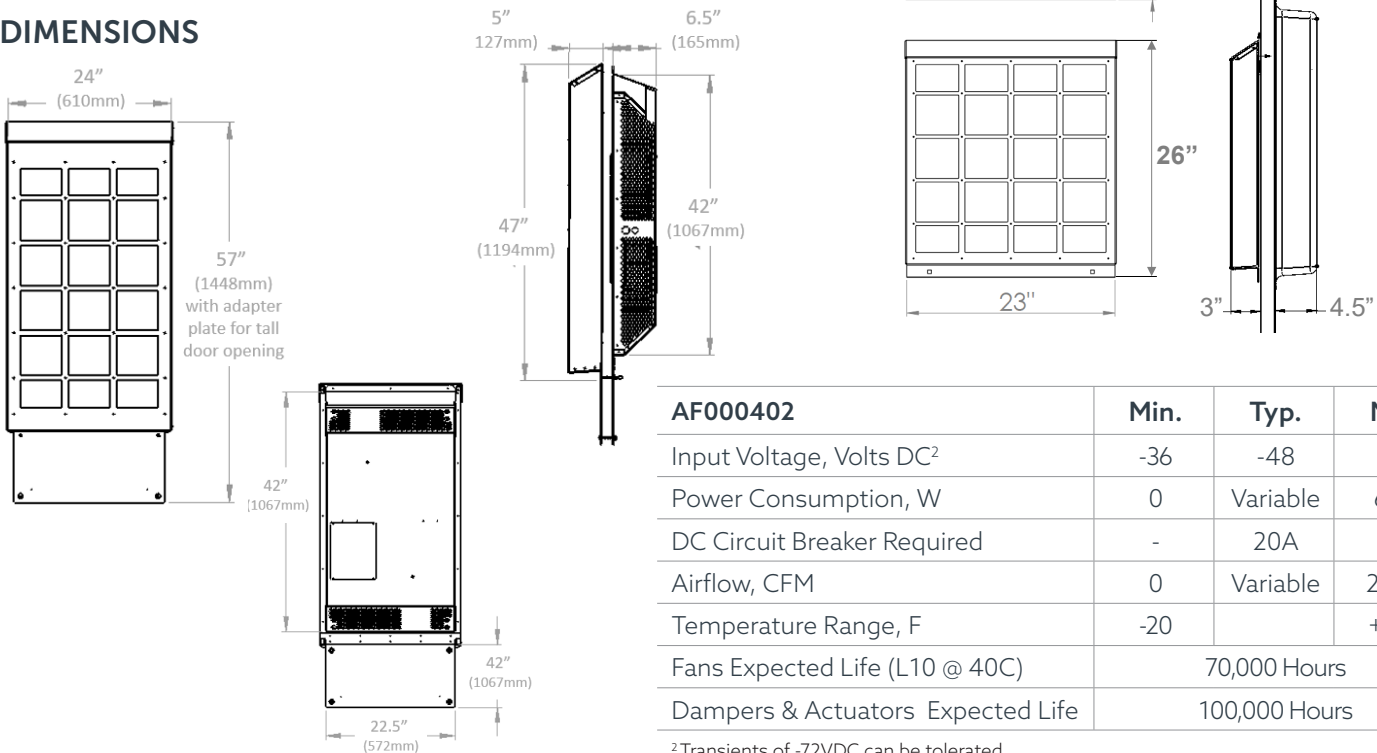


WALL EXHAUST ASSEMBLY



Spring Return Fire & Safety Damper Actuators (UL555 & UL555S) Provide Failsafe Closure of Intake & Exhaust Ports.

### DIMENSIONS



AF000402	Min.	Typ.	Max
Input Voltage, Volts DC <sup>2</sup>	-36	-48	-60
Power Consumption, W	0	Variable	600
DC Circuit Breaker Required	-	20A	-
Airflow, CFM	0	Variable	2400
Temperature Range, F	-20		+140
Fans Expected Life (L10 @ 40C)	70,000 Hours		
Dampers & Actuators Expected Life	100,000 Hours		

<sup>2</sup>Transients of -72VDC can be tolerated

US Patent: 10,098,255 and patents pending

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rfindustries.com | 800.233.1728  
16868 Via Del Campo Court, Suite 200  
San Diego, CA 92127

