DIRECT AIR COOLING (DAC): DOOR MOUNTABLE SYSTEM

PART # AF000402

Revision: 1.7 | March 2025

RFI

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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 3'-0" width

- Regulated by the Smart Controller (part # AF000400) that controls up to 3 DAC fans and 2 HVAC units

- 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)[1], 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

[1] Does not include exhaust kit or pallet weight

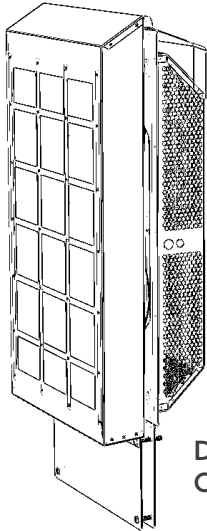# DIRECT AIR COOLING (DAC): DOOR MOUNTABLE SYSTEM
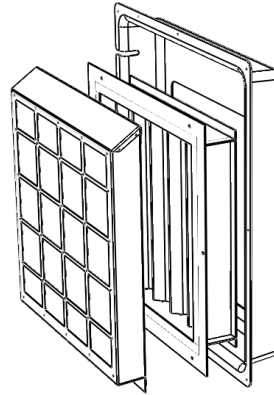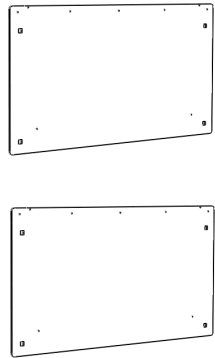
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DIMENSIONS & EQUIPMENT SETUP OPTIONS

KIT COMPONENTS

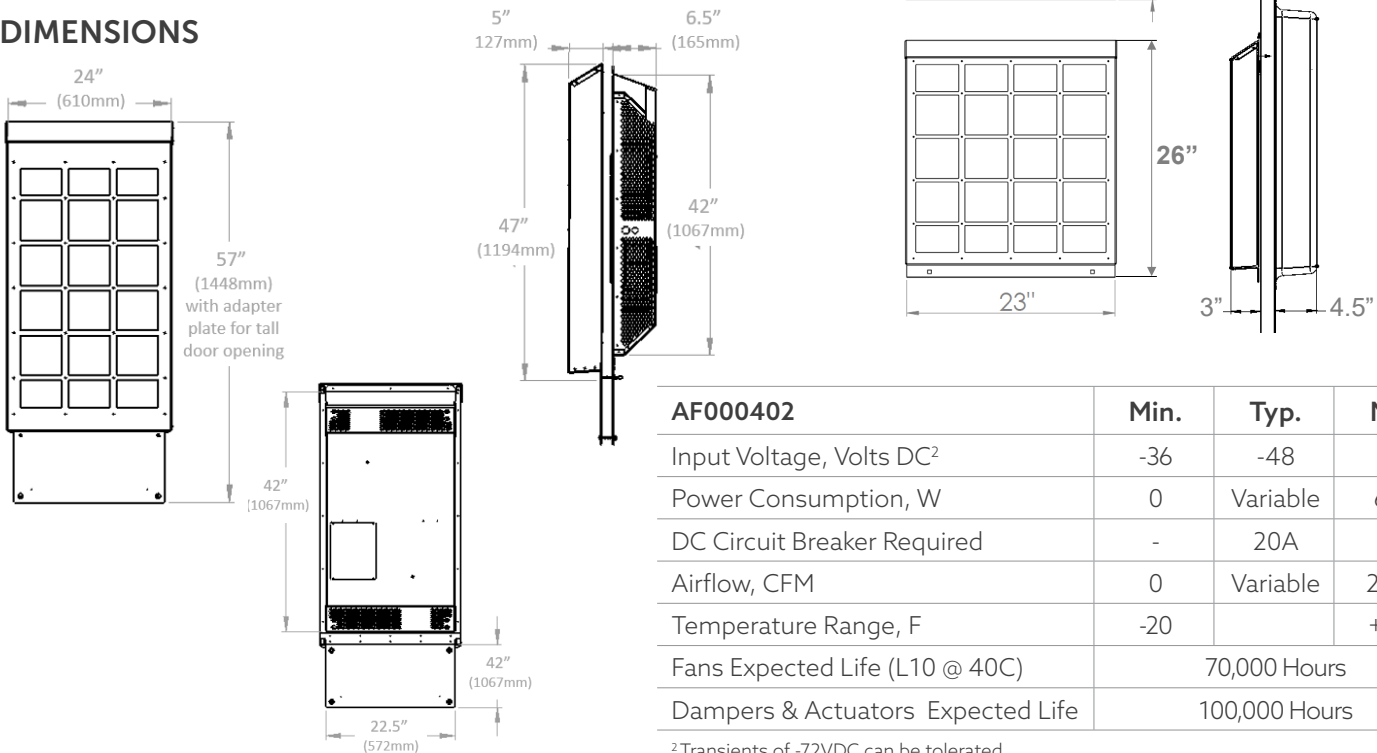**DOOR INTAKE UNIT & OPTIONAL ADAPTER PLATES**

WALL EXHAUST ASSEMBLY

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

DIMENSIONS

24" (610mm)

57" (1448mm) with adapter plate for tall door opening

42" [1067mm]

42" (1067mm)

22.5" (572mm)

5" (127mm)

6.5" (165mm)

47" (1194mm)

42" (1067mm)

3"

26"

23"

3"

4.5"

AF000402	Min.	Typ.	Max
Input Voltage, Volts DC[2]	-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		

[2] Transients of -72VDC can be tolerated

US Patent:10,098,255 and patents pending

ABOUT RF INDUSTRIES

RF Industries (RFI) designs and manufactures a broad range of interconnect products across diversified, growing markets including wireless/wireline telecom, data communications and industrial. Our products include RF connectors, coaxial cables, data cables, wire harnesses, fiber optic cables, custom cabling, energy-efficient cooling systems and integrated small cell enclosures.

ISO

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