

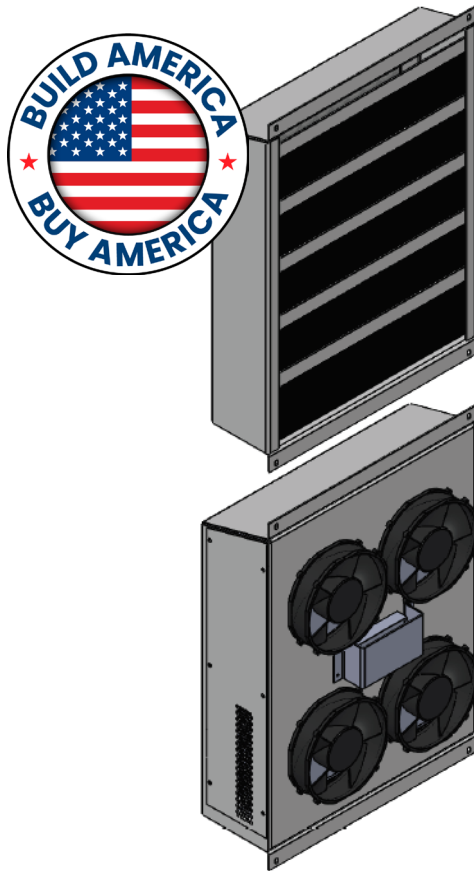
DIRECT AIR COOLING (DAC): CABINET KIT

PART # AF000190

Revision: 2.5 | March 2025



OUTDOOR TELECOM CABINET COOLING SYSTEM

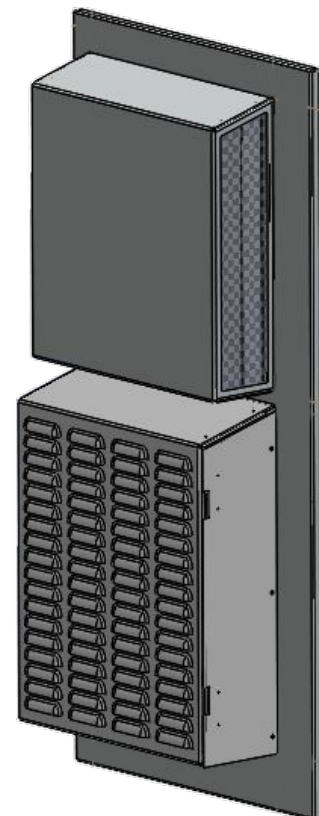


FEATURES

- Cools up to 4kW heat load cabinets using less than 250W with quad high efficiency fans, delta T as low as 5 degrees C.
- Dust free system thanks to positive pressure applied to the cabinet and deep media long life telco grade air filters (MERV 14 or 16).
- Modular platform can fit most cabinets with door panel larger than 24 (W) x 57 (H) inches (both units on same door) or as small as 24 (W) x 30 (H) inches (front & back installation).
- Complete cooling kit for fast field cabinet upgrades. Kit includes Filter/Fan lower unit with hood, exhaust damper with hood (no cabinet front door panel).

CLOSED LOOP DELTA T DRIVEN FAN CONTROL

- Patented fresh air cooling system provides total environmental control for telecom cabinets
- Ethernet enabled for remote communication, SNMP Traps & Form C contacts for alarms
- Integrated LED indicator Provides Simple Status Checks of DAC System Operation Mode and Alarms
- Programmable site control settings managed through secure profiles.
- Built in redundancy for high reliability with quad independently fused fans



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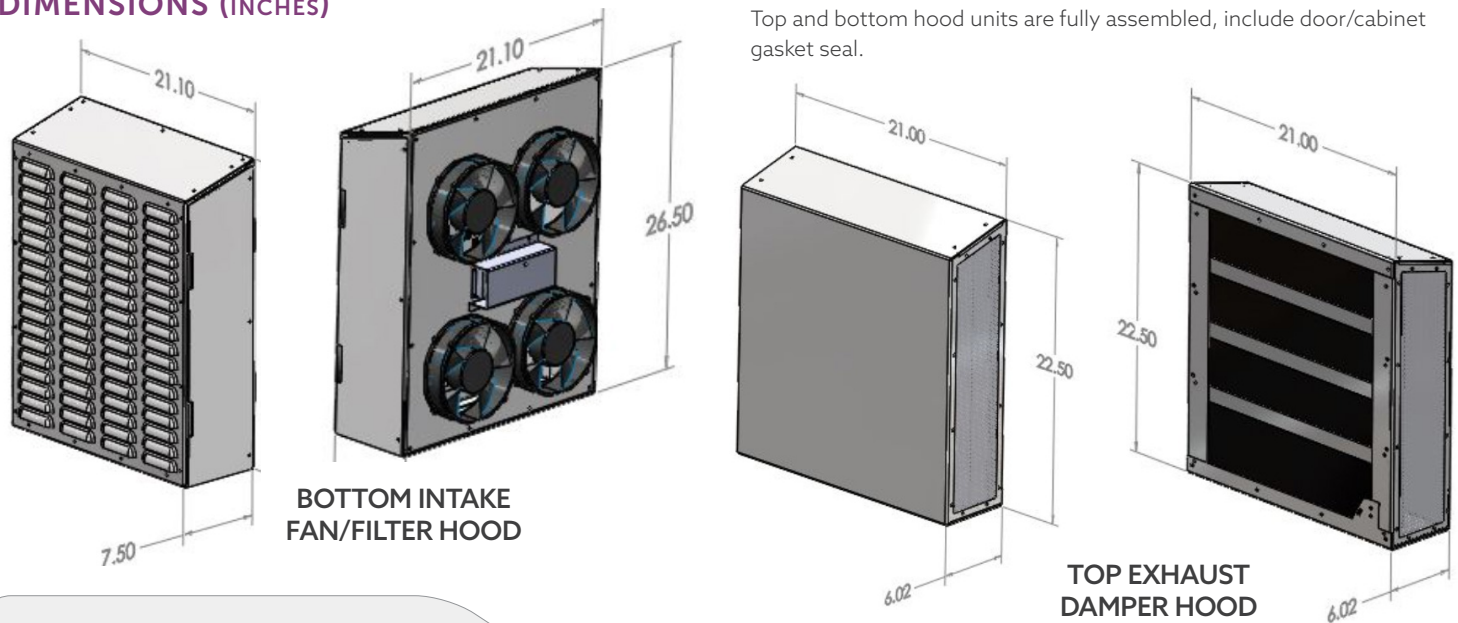
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SPECIFICATIONS

AF000190	Min.	Typ.	Max.	Notes
System input voltage, VDC	-36	-48	-60	-72 VDC transients
Power Consumption, W	5	-	250	Variable speed fans
Fans, RPM	0	-	3800	Variable speed fans
Maximum Airflow, CFM	1200	1400	-	Fans at max RPM
Cabinet Heat-Load, kW	0	-	4	At 5C delta T (exhaust intake air)
Fans Expected Life, hrs	-	117,000	-	L10 @ 40C acc. to IPC 95
Temperature Sensors	-	-	2	Intake and exhaust air
Alarms Dry Contacts, qty	-	-	3	General alarm (Fans, controller or thermistors), High temp, Low temp or filter clog.
Air Filter MERV	14	-	16	4" deep media filter
Weight, lb/kg		64/29		Full kit (without cabinet door panel)

Product finish: door and hoods powder coated, color to be specified.

DIMENSIONS (INCHES)



Door panel not included, hoods mechanical interface provided upon request to adapt doors (each will need one rectangular opening for air and screw mounting holes).

Top and bottom hood units are fully assembled, include door/cabinet gasket seal.

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.

