

InRow[®] RD 300mm

Row-based cooling solutions for wiring closets, server rooms, and data centers

2–10kW Nominal



- 1 Variable speed fans reduce energy consumption during off-peak hours
Hot swappable fan modules
- 2 Capacity Regulation prevents compressor cycling
- 3 Retractable electronics module for easy service access
- 4 Castors allow for easy movement
- 5 PowerView for real time capacity monitoring and easy operation

Features/Benefits

Serviceability

- > Allows system to remain operational if a fan replacement is required.
- > Row based equipment allows for all serviceable components to be replaced/maintained in the hot or cold aisles.
- > Retractable electronics module for easy service
- > Easy to maintain, cleanable, deep loading mesh filter removes particles from the return air stream.



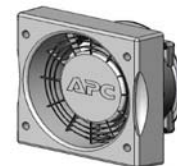
Availability

- > Active Response Controls monitor and actively adjust cooling capacity to ensure proper server inlet temperatures.
- > Hot gas bypass allows for low load handling capabilities
- > Placing the unit in the row of racks moves the source of cooling closer to the heat load. This eliminates air mixing and provides a predictable cooling architecture.



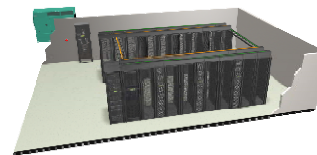
Total Cost of Ownership

- > Variable speed fans reduce energy consumption during off-peak cooling periods and adapt to unpredictable power densities.



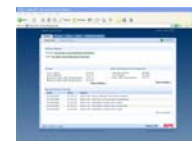
Flexibility

- > Multiple Heat Rejection Methods – Flexibility to deploy in a variety of configurations including air and fluid based designs.



Manageability

- > Real time display of current and available cooling.
- > InfrastruXure Manager compatible
- > Microprocessor controller – 4 line, eighty character, alphanumeric display
- > Building management system integration



Performance Specifications

Net Cooling Capacity (Air and Glycol Cooled)			
Return Air Temperature °F (°C)	SKU	Total Capacity kW (BTU/hr)	Sensible Capacity kW (BTU/hr)
85°F DB, 64.6°F WB (29.4°C DB, 18.1°C WB)	ACRD100	9.90 (33,800)	9.90 (33,800)
	ACRD101	9.69 (33,100)	9.69 (33,100)
	ACRD200	9.90 (33,800)	9.90 (33,800)
	ACRD201	9.69 (33,100)	9.69 (33,100)
90°F DB, 66.2°F WB (32.2°C DB, 19.0°C WB)	ACRD100	10.44 (35,600)	10.44 (35,600)
	ACRD101	10.29 (35,200)	10.29 (35,200)
	ACRD200	10.44 (35,600)	10.44 (35,600)
	ACRD201	10.29 (35,200)	10.29 (35,200)
95°F DB, 67.8°F WB (35.0°C DB, 19.9°C WB)	ACRD100	10.62 (36,200)	10.62 (36,200)
	ACRD101	10.51 (35,900)	10.51 (35,900)
	ACRD200	10.62 (36,200)	10.62 (36,200)
	ACRD201	10.51 (35,900)	10.51 (35,900)
100°F DB, 69.3°F WB (37.8°C DB, 20.7°C WB)	ACRD100	10.62 (36,200)	10.62 (36,200)
	ACRD101	10.51 (35,900)	10.51 (35,900)
	ACRD200	10.62 (36,200)	10.62 (36,200)
	ACRD201	10.51 (35,900)	10.51 (35,900)
105°F DB, 70.8°F WB (40.6°C DB, 21.6°C WB)	ACRD100	10.56 (36,000)	10.56 (36,000)
	ACRD101	10.51 (35,900)	10.51 (35,900)
	ACRD200	10.56 (36,000)	10.56 (36,000)
	ACRD201	10.51 (35,900)	10.51 (35,900)

Net Cooling Capacity (Water Cooled)			
Return Air Temperature °F (°C)	SKU	Total Capacity kW (BTU/hr)	Sensible Capacity kW (BTU/hr)
85°F DB, 64.6°F WB (29.4°C DB, 18.1°C WB)	ACRD200	10.92 (37,300)	10.92 (37,300)
	ACRD201	10.98 (37,500)	10.98 (37,500)
90°F DB, 66.2°F WB (32.2°C DB, 19.0°C WB)	ACRD200	11.64 (39,700)	11.64 (39,700)
	ACRD201	11.76 (40,200)	11.76 (40,200)
95°F DB, 67.8°F WB (35.0°C DB, 19.9°C WB)	ACRD200	11.98 (40,900)	11.98 (40,900)
	ACRD201	12.01 (41,000)	12.01 (41,000)
100°F DB, 69.3°F WB (37.8°C DB, 20.7°C WB)	ACRD200	12.06 (41,150)	12.06 (41,150)
	ACRD201	12.01 (41,000)	12.01 (41,000)
105°F DB, 70.8°F WB (40.6°C DB, 21.6°C WB)	ACRD200	12.06 (41,150)	12.06 (41,150)
	ACRD201	12.01 (41,000)	12.01 (41,000)