



REAR DOOR HEAT EXCHANGERS



RELIABLE COOLING FOR MISSION CRITICAL ENVIRONMENTS

WayCool Active Rear Door Heat Exchangers remove server heat at the rack, before it reaches the room. Built for high-density AI and HPC loads, they pair EC fans with a low-pressure-drop coil and integrate smoothly into both new construction and retrofit installations.

DOOR CONSTRUCTION

- Rack-specific mounting frames for secure, aligned installation.
- Hinged door for rack access.
- Drip pan and leak detection built into the door.
- Site-specific seismic evaluation and certification available upon request



RDX FEATURES

2-Way Control Valve

Regulates steady flow over wide pressure range for precise air temperature and cooling capacity control

Integral flow measurement for optional fluid side capacity monitoring

Integrated Controls with 7" HMI

Local display for status, set points, and alarms

Fluid temperature sensors for supply and return monitoring

Multiple communication protocols offered for BMS connectivity

Leak Detection & Drip Pan

Integral drip pan captures any leakage at the door

Leak detection alerts operators early and protects IT equipment

4 Standard Unit Sizes

42U and 48U heights in 600 mm and 800 mm widths

Custom sizing available upon request

High Efficiency EC Fans

Energy saving, quiet operation, and precise modulation to follow rack load

Active airflow keeps server exhaust moving through the coil

Fin & Tube Coils

Low air-side pressure drop, durable construction

Coil rows, circuiting, and fin spacing selected to fit your rack load and water temperature



Leveling Feet

CONFIGURABLE COIL DESIGN

WayCool Rear Door Heat Exchangers are designed with flexibility at their core. Every coil is selected to match your rack density, water temperature, and airflow requirements, aligning cooling performance with your data center's thermal load, energy usage, and total cost of ownership.

COIL CONFIGURATION OPTIONS

- Row quantity adjustable to match required cooling capacity
- Fin spacing optimized for airflow resistance vs. heat transfer trade-offs
- Copper tube / aluminum fin construction
- Multiple circuit configurations for chilled water or glycol systems



EFFICIENCY



COST

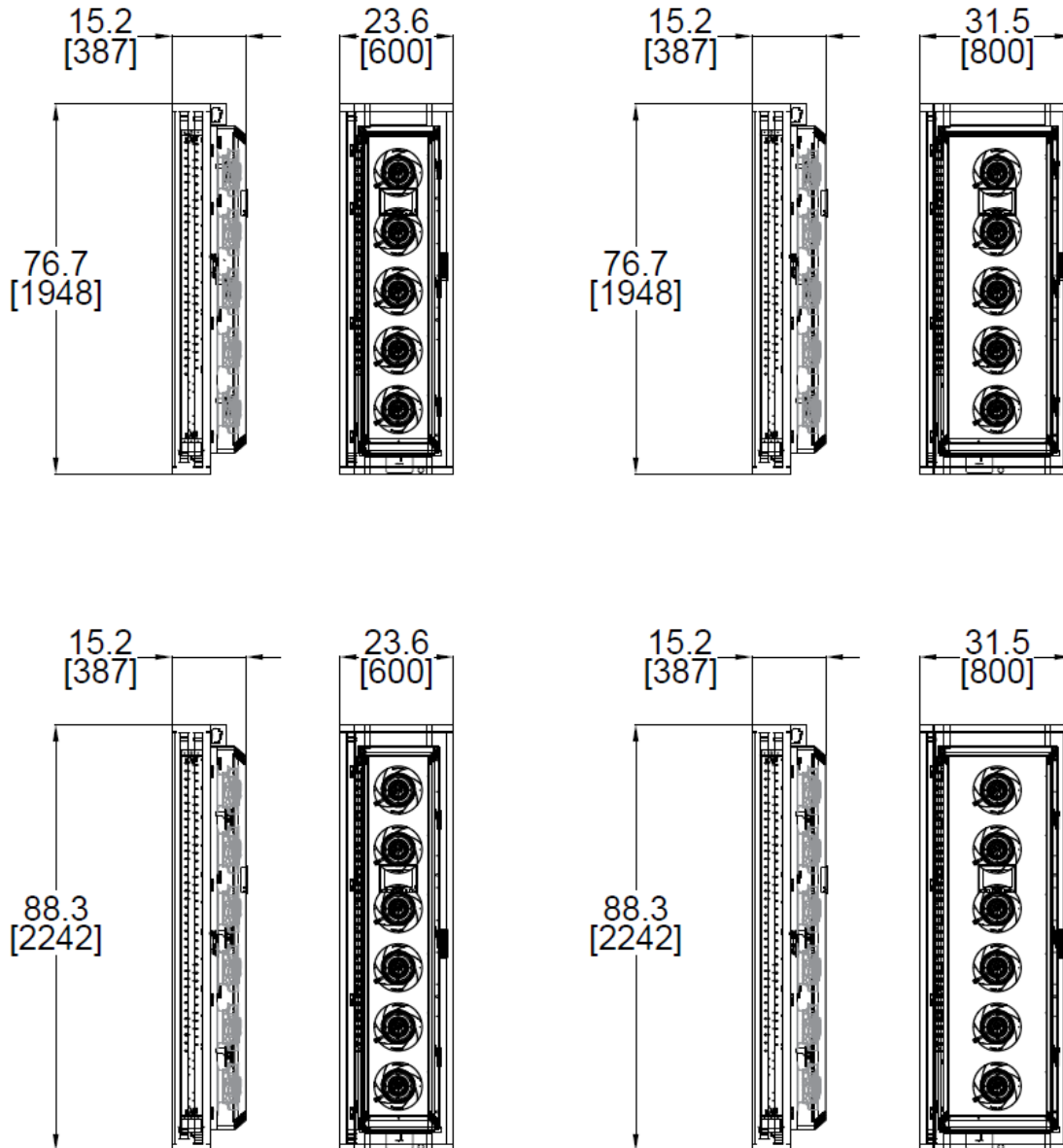


PERFORMANCE

ENGINEERING SUPPORT

- Factory coil selection based on submitted design conditions
- Performance data validated against AHRI or equivalent standards
- Custom capacity range available beyond standard model specifications
- WayCool engineering expertise applied to your design

RDX STANDARD MODELS



MODEL	W x L x H		AIRFLOW		COOLING CAPACITY RANGE	TSP @ PEAK AIRFLOW		FAN QTY	MAXIMUM FLUID FLOW RATE	
	mm	in	m3/h	CFM		Pa	Inch w.g.		m3/h	GPM
RDX-42-600	600 x 387 x 1948	23.6 x 15.2 x 76.7	5711	3360	25-70	209	0.84	5	57.7	22
RDX-42-800	800 x 387 x 1948	31.5 x 15.2 x 76.7	6545	3850	30-80	114	0.46	5	57.7	22
RDX-48-600	600 x 387 x 2242	23.6 x 15.2 x 88.3	6664	3920	30-100	214	0.86	6	57.7	22
RDX-48-800	800 x 387 x 2242	31.5 x 15.2 x 88.3	7820	4600	35-120	119	0.48	6	57.7	22

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