

**WayCool**  
by **WayAir**

# FAN COIL WALL



## RELIABLE COOLING FOR MISSION CRITICAL ENVIRONMENTS

WayCool Fan Coil Walls provide reliable, energy efficient cooling engineered for modern data centers. Designed for uptime, serviceability, and performance, these units integrate smoothly into both new construction and retrofit installations.

## POST & FRAME CONSTRUCTION

- Structural frame construction designed for stacked configurations
- Removable access panels for convenient access and service of internal components
- Injected foam panels ensure rigidity and thermal performance
- Site specific seismic evaluation and certification available upon request



## FCW FEATURES

**Fin & Tube Coils**

High heat transfer, low pressure drop, durable construction

Configurable rows, circuiting, and fin configurations designed to fit your specific application

**6 Standard Unit Sizes**

Flexible designs ready to quickly deploy for almost any layout

Custom sizing available upon request

**High Efficiency EC Fans**

Energy saving, quiet operation, and precise modulation for best performance

Integral vibration monitoring supports predictive maintenance and minimizes unplanned downtime

Robust hinged access doors simplify service and inspections

**Pressure Independent Control Valves**

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

Integral flow measurement for optional fluid side capacity monitoring

**Merv-8 Filters**

Improves air quality and extends equipment life

Higher filtration options available upon request

**Integrated Controls with 7" HMI**

UPS backed power supply for controls prevents interruptions

Advanced group control mode with shared set points and sensor data

Multiple communication protocols offered for BMS connectivity

**Integral Fork Pockets**

## CONFIGURABLE COIL DESIGN

WayCool Fan Coil Walls are designed with flexibility at their core. Every FCW coil is selected to optimize for the customer-specific cooling requirements. Tailored coil design ensures precise alignment 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

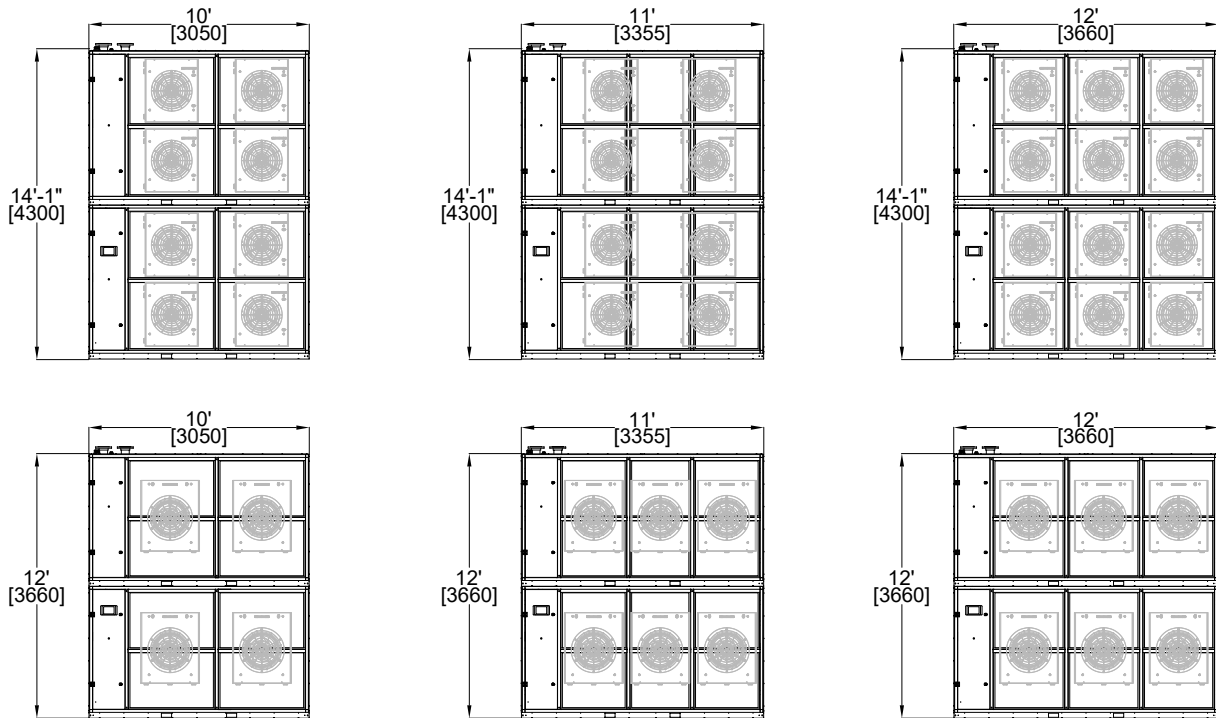


PERFORMANCE

### ENGINEERING SUPPORT

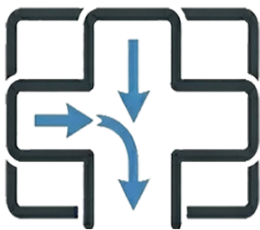
- Factory coil selection based on submitted design conditions
- Performance data validated against AHRI or equivalent standards
- Custom capacity range available beyond standard model specifications
- WayCool engineering expertise applied to your design

## FCW STANDARD MODELS

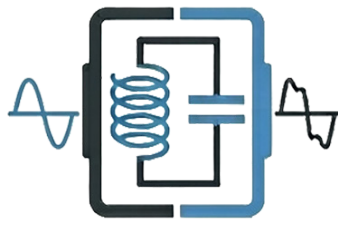


MODEL	W x L x H		AIRFLOW RANGE		COOLING CAPACITY RANGE	MAXIMUM TSP @ PEAK AIRFLOW		FAN QTY	MAXIMUM FLUID FLOW RATE	
	mm	ft	m3/h	CFM	KW	Pa	Inch w.g.	Qty	m3/h	GPM
FCW-1210	3050 x 1520 x 3660	12' x 10'	63-85k	37-50k	290-400	423	1.7	4	45.4	200
FCW-1211	3355 x 1520 x 3660	12' x 11'	70-107k	41-63k	325-500	622	2.5	6	57.7	254
FCW-1212	3660 x 1520 x 3660	12' x 12'	76-119k	45-70k	355-555	548	2.2	6	57.7	254
FCW-1410	3050 x 1520 x 4300	14' x 10'	75-115k	44-68k	350-540	548	2.2	8	57.7	254
FCW-1411	3355 x 1520 x 4300	14' x 11'	83-129k	49-76k	390-600	448	1.8	8	81.8	360
FCW-1412	3660 x 1520 x 4300	14' x 12'	92-142k	54-84k	430-665	622	2.5	12	81.8	360

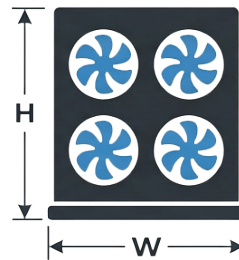
## OPTIONAL FEATURES



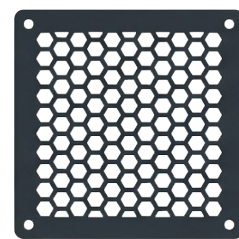
AUTOMATIC TRANSFER SWITCH (ATS)



HARMONIC FILTER



CUSTOM UNIT SIZING



CUSTOM GRILLES

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