



Horizontal Fan Coils

200 - 1200 CFM

- Flexible configurations
- Easy service access
- User-friendly package design
- Clean and quiet operation
- Compact footprint

Horizontal Fan Coils

Horizontal Uncased - HCFR Series

The Whalen HCFR Series horizontal low static uncased fan coil has a low profile and flexible design, ideal for multiple applications (high static model also available). The slim, compact design is well suited for drop-ceiling, closet, hallway and other concealed applications. The Whalen HCFR Series uncased fan coil comes with a powder-coated epoxy drain pan and a wide range of coil, motor and controls options, but has no exterior cabinet.



Horizontal with Plenum - HCPR Series

The Whalen HCPR Series horizontal low static fan coil with plenum is our uncased unit with a galvanized rear return-air plenum (high static model also available). Ideal for mounting above ceilings, in closets, hallways and bathroom areas, the plenum conceals the unit's blower motor, which is easily accessible for service by removing the bottom panel. This plenum model is also available with bottom return (HCPB Series).



Horizontal Telescoping Recessed Cabinet - HCRF Series

The Whalen HCRF Series horizontal low static fan coil with recessed cabinet is designed for flush ceiling applications (high static model also available). This unit is designed to accommodate ducted supply air. The telescoping frame and hinged access panel of the HCRF Series give it the flexibility to accommodate any type of ceiling. This HCRF Series is also available with bottom supply and bottom return and comes in the same attractive, durable powder-coated cabinet as the HCEF Series with exposed cabinet.



Horizontal Exposed Cabinet - HCEF Series

The Whalen HCEF Series horizontal low static fan coil with exposed cabinet is designed for exposed ceiling-mounted applications (high static model also available). Ideal for remodel situations where adding AC ductwork is limited, the HCEF Series cabinets are constructed of cold-rolled steel and finished with a baked-on tough, soft-white epoxy powder-coated finish.



Horizontal Fan Coil System Unit Sizes

Model		Nominal CFM	Width (in.)	Depth (in.)	Height (in.)
HCFR	002	200	30.0	22.5	9.9
	003	300	30.0	22.5	9.9
	004	400	37.5	22.5	9.9
	006	600	44.0	22.5	9.9
	008	800	44.0	23.6	11.7
	010	1,000	50.0	23.6	11.7
	012	1,200	58.0	23.6	11.7

Model		Nominal CFM	Width (in.)	Depth (in.)	Height (in.)
HCPR	002	200	30.0	24.4	10.2
	003	300	30.0	24.4	10.2
	004	400	37.5	24.4	10.2
	006	600	44.0	24.4	10.2
	008	800	44.0	26.4	12.2
	010	1,000	50.0	26.4	12.2
	012	1,200	58.0	26.4	12.2

Model		Nominal CFM	Width (in.)	Depth (in.)	Height (in.)
HCRF	002	200	46.5	27.0	11.0
	003	300	46.5	27.0	11.0
	004	400	46.5	27.0	11.0
	006	600	54.5	27.0	11.0
	008	800	54.5	27.0	13.0
	010	1,000	68.5	27.0	13.0
	012	1,200	68.5	27.0	13.0

Model		Nominal CFM	Width (in.)	Depth (in.)	Height (in.)
HCEF	002	200	47.0	24.0	11.4
	003	300	47.0	24.0	11.4
	004	400	47.0	24.0	11.4
	006	600	55.0	28.0	11.4
	008	800	55.0	28.0	13.1
	010	1,000	69.0	28.0	13.1
	012	1,200	69.0	28.0	13.1

Benefits that Make a Big Difference

When you consider all of the features of Whalen units, it's easy to see why they deliver so many benefits to contractors and users alike.

Features and Benefits

- Heavy-gauge galvanized steel cabinet with neoprene-coated 1/2" thick fiberglass insulation with 3.35 PCF density.
- Coils are made of 1/2" OD copper tube with aluminum fins (12 FPI) equipped with manual-air vent. DX and steam coils do not include manual-air vent. Coils are 100% underwater pressure tested at 350 PSI with a 300 PSI working pressure.
- Galvanized drain pan is powder-coated epoxy with a 1/8" thick closed-cell insulation and has primary and secondary drain connections.
- Three-speed, 115/1/60, 208/1/50-60 or 277/1/60 PSC motor with quick-connect plug.
- Controls and motors are factory-wired and terminated in a junction box for single-point power supply.
- One-inch, reinforced duct collar on return- and supply-air openings.
- Swing-down, hinged return-air grille/access door on exposed cabinet HCEF and telescoping recessed cabinet HCFR models.
- Exposed cabinet HCEF unit has single-deflection supply-air grille.
- One-inch fiberglass, throwaway filter, except for HCFR Series horizontal uncased models.
- Individually tagged, crated and shipped as scheduled for installation.
- UL and C-UL approved, ARI certified and 100% factory tested.

Equipment Options

- EC Constant Torque Motors
- EC Constant Volume Motors
- EC Variable Volume (0-10 VDC) Motors
- Soft-white, powder-coated epoxy cabinet.
- Stainless steel drain pans.
- Insulation - fiberglass, foil-face, elastomeric in 1/2" and 1" thicknesses.
- Coils - copper fins/tubes, stainless steel fins/tubes, phenolic coated, stainless steel end plates. All options are available on one- to six-rows.
- Systems - two- or four-pipe, hydronic cooling/ heating, steam, direct-expansion (DX) and/or electric heat.
- Cabinet: telescoping recessed (HCFR), exposed (HCEF) and custom colors.
- Controls - unlimited selection of factory-mounted valves and controls.
- Filters - two-inch thick throwaway (except horizontal uncased), washable and metallic.
- Flow-control circulator for water heating applications.
- Grilles available as double-deflection and in custom colors.
- Electric strip heat from 0.5 to 7 kW.

Horizontal Fan Coil System Nominal Capacities

HCFR, HCPR, HCFR, HCEF					
Model	Cooling			Heating	
	Rows	Total Capacity BTUH**	Sensible Capacity BTUH**	Rows	Total Capacity BTUH***
002	3	8,578	7,018	2	15,899
003	3	9,153	7,538	2	16,961
004	3	14,374	11,206	2	24,601
006	3	18,464	14,754	2	31,164
008	3	24,812	19,582	2	40,666
010	3	32,205	25,140	2	51,853
012	3	39,105	29,695	2	62,012
002	4	10,947	7,927	1	8,240
003	4	11,677	8,506	1	8,746
004	4	17,603	12,473	1	14,064
006	4	24,868	17,282	1	20,719
008	4	28,348	20,964	1	27,014
010	4	37,113	27,102	1	34,455
012	4	44,904	32,030	1	41,852

For detailed capacities please visit our website at www.whalencompany.com or contact your local representative.

** Cooling ratings based on 80° F DB and 67° F WB EAT, 45° F EWT with 10° F water temperature rise, 115/1/60, and high speed.

***Heating ratings based on nominal CFM. 1-row coils rated at 160° F EWT and 70° F EAT with 40° F water temperature drop, 115/1/60, and high speed. 2-row coils rated at 150° F EWT and 70° F EAT with 30° F water temperature drop, 115/1/60, and high speed.

Behind every unit that carries the Whalen name is a singularity of purpose: the engineering and manufacturing of products that improve the quality of life for our customers.

Our long-term commitment to this endeavor assures you of systems that are distinctive in **concept**, **performance**, **reliability** and **value**.

The number of industry “firsts” from Whalen is impressive. They include:

- The industry’s first vertical stack valveless fan coils
- The first vertical stack heat pump offering
- The first removable chassis closet-type heat pumps
- The first AHRI-listed water-cooled air conditioning units with hydronic heat

Let us put Whalen innovation to work for you, too. Find out how our approach to your project will deliver a “perfect fit” solution – and make your life easier.

Need to locate a sales representative? Whalen’s sales rep locator tool was designed to help you easily find a Whalen sales representative within the United States and Canada.

whalencompany.com/relocator



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