



Hi-Performance Horizontal Fan Coils

400 - 2,200 CFM

- Ideal for high-static environments
- Wide range of cabinet styles and coil options
- Models to fit any type of ceiling and a variety of applications
- Clean and quiet operation

Whalen Hi-Performance Horizontal Fan Coils

Horizontal Uncased - HPFR Series

The Whalen hi-performance uncased horizontal fan coil (HPFR) is the right choice for multiple applications where high static performance (up to .50 ESP) is required. The design is well suited for drop-ceiling, closet, hallway and other concealed applications. This unit comes with a powder-coated epoxy drain pan and a wide range of coil, motor and controls options. These models have no exterior cabinet.



Horizontal with Plenum - HPPR Series

Whalen's hi-performance horizontal fan coil with plenum (HPPR) is our basic fan coil for high static (up to .50 ESP) application with a galvanized rear-return air plenum. 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. Horizontal with plenum and bottom return (HPPB) is also available.



Horizontal Telescoping Recessed Cabinet - HPRF Series

The Whalen hi-performance (up to .50 ESP) horizontal fan coil with recessed cabinet and telescoping panel (HPRF) features a flush bottom supply and return, designed for flush ceiling applications. The telescoping frame and hinged access panel of this model allow it to fit any type of ceiling. The unit comes in the same attractive, durable powder-coated cabinet as the hi-performance horizontal fan coil with exposed cabinet.



Horizontal Exposed Cabinet - HPEF Series

The Whalen hi-performance horizontal fan coil with exposed cabinet (HPEF) is designed for horizontal exposed ceiling-mounted applications where high static performance (up to .50 ESP) is required. This unit is our basic unit housed in a fully cased cabinet intended for "free-blow" exposed ceiling mounting. Ideal for remodel situations where adding AC ductwork is limited. Deluxe cabinets are constructed of cold-rolled steel and finished with a soft white epoxy powder-coated finish, and subjected to a 1500-hour salt spray test in accordance with ASTM-B117.



Hi-Performance Horizontal Fan Coil System Unit Sizes

Model	Nominal CFM	Width (in.)	Depth (in.)	Height (in.)	
HPFR	006	600	21.5	27.9	16.3
	008	800	25.5	27.9	16.3
	010	1,000	31.5	27.9	16.3
	012	1,200	37.5	27.9	16.3
	015	1,500	43.5	27.9	16.3
	018	1,800	49.5	27.9	16.3
	022	2,200	55.5	27.9	16.3

Model	Nominal CFM	Width (in.)	Depth (in.)	Height (in.)	
HPRF	006	600	47.5	31.8	18.5
	008	800	47.5	31.8	18.5
	010	1,000	47.5	31.8	18.5
	012	1,200	55.5	31.8	18.5
	015	1,500	57.5	31.8	18.5
	018	1,800	61.2	31.8	18.5
	022	2,200	67.5	31.8	18.5

Model	Nominal CFM	Width (in.)	Depth (in.)	Height (in.)	
HPPR	006	600	21.5	31.2	17.2
	008	800	25.5	31.2	17.2
	010	1,000	31.5	31.2	17.2
	012	1,200	37.5	31.2	17.2
	015	1,500	43.5	31.2	17.2
	018	1,800	49.5	31.2	17.2
	022	2,200	55.5	31.2	17.2

Model	Nominal CFM	Width (in.)	Depth (in.)	Height (in.)	
HPEF	006	600	33.0	32.0	18.5
	008	800	37.0	32.0	18.5
	010	1,000	43.0	32.0	18.5
	012	1,200	49.0	32.0	18.5
	015	1,500	55.0	32.0	18.5
	018	1,800	61.0	32.0	18.5
	022	2,200	67.0	32.0	18.5

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 and subjected to a 650-hour salt spray test in accordance with ASTM-B117. Also comes with 1/8" thick closed-cell insulation and primary and secondary drain connections.
- Three-speed, 115/1/60 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 HPEF and HPRF models.
- HPEF unit has single-deflection supply-air grille.
- One-inch fiberglass, throwaway filter, except on HPFR 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 Volume Motors.
- EC Variable Volume (1-10 VDC) Motors.
- Soft-white, powder-coated epoxy cabinet that's subjected to a 1500-hour salt spray test in accordance with ASTM-B117.
- Drain pans - stainless steel.
- 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.
- Three-speed, 208-230/1/50-60 or 277/1/60 PSC motor with quick-connect plug.
- Systems - two- or four-pipe, hydronic cooling/ heating, steam, direct-expansion (DX) and/or electric heat.
- Cabinet - exposed cabinet (HPEF), telescoping cabinet (HPRF) and custom colors.
- Controls - wide selection of factory-mounted valves and controls.
- Filters - two-inch thick throwaway, 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 9 kW.

Hi-Performance Horizontal Fan Coil System Nominal Capacities

HPFR, HPPR, HPRF, HPEF					
Model	Cooling			Heating	
	Rows	Total Capacity BTUH**	Sensible Capacity BTUH**	Rows	Total Capacity BTUH***
006	3	13,132	13,132	2	23,618
008	3	18,812	16,967	2	30,972
010	3	27,415	23,343	2	43,022
012	3	30,268	27,143	2	51,223
015	3	40,098	34,824	2	64,789
018	3	49,009	41,558	2	77,538
022	3	57,664	48,058	2	89,950
006	4	16,373	15,302	1	13,771
008	4	22,465	19,058	1	18,636
010	4	32,825	26,284	1	26,351
012	4	40,054	31,854	1	28,535
015	4	51,839	40,675	1	36,850
018	4	62,619	48,437	1	44,829
022	4	73,106	55,890	1	52,680

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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