



Whisperpack® Water-Cooled Air Conditioning with Hydronic Heat

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## Whisperpack®

The Combination of Proven  
Air Conditioning and Fan Coil  
Technologies

- Flexible configurations
- User-friendly package design
- Easy-access components
- Energy-sharing technology
- Clean and quiet operation
- Engineered for easy maintenance

# Whisperpack® Water-Cooled Air Conditioning with Hydronic Heat

## Delivering the Best of Both Worlds

Combining the best characteristics of Whalen's field-proven compressorized and fan coil products, we've developed a unit that delivers superior air conditioning performance along with the operational characteristics found in our powerfully productive fan coil units.

Whisperpack® units benefit owners during the heating season through the use of a hydronic heating coil in lieu of reversing the refrigerant cycle. This allows for energy savings by turning the compressor off and diverting the condenser water to a heating coil.

### Ideal for New Construction and Rehabilitations – Low-Rise and High-Rise

True to our commitment to offer equipment that's flexible enough to meet the design of the building rather than

forcing a building to conform to limitations of the equipment, our Whisperpack® Air Conditioners with Hydronic Heating can be applied to any type of building.

They're particularly advantageous for new construction or renovation of apartments, condominiums, hotels, senior living facilities, dormitories and office buildings.

This philosophy behind Whisperpack® units isn't limited to physical size or optional accessories, either. They're capable of performing at peak operating efficiency at entering water temperatures between 85°F and 120°F. (We suggest consulting local building codes on requirements for insulated supply and return piping when operating above 105°F.)



Whisperpack® Air Conditioner with Hydronic Heating

## Whisperpack® Hydronic Heating

Data based on 70°F Entering DB and EC fan motor				Entering Water Temperature			
				105°F		120°F	
Unit Size	GPM	Heat Coil	CFM	Capacity Btu/h	LAT, °F	Capacity Btu/h	LAT, °F
204	1.5	2 row	270	7087	93	10016	103
		3 row	260	8361	97	11797	108
304	2.5	2 row	300	8769	95	12389	105
		3 row	290	9837	98	13861	109
404	3.3	2 row	360	9883	94	14142	105
		3 row	345	11263	98	15904	109
504	3.9	2 row	475	14366	97	20113	108
		3 row	460	16815	102	23583	115
604	4.5	2 row	600	16884	96	23707	106
		3 row	590	19942	100	27910	112
804	6	2 row	800	22065	94	31046	104
		3 row	790	26689	99	37436	111
814	6	2 row	830	21483	94	30228	104
		3 row	820	25888	99	36312	111
1004	7.5	2 row	950	27629	97	38824	108
		3 row	935	31764	101	44543	114
1204	9	2 row	1100	31791	96	44659	106
		3 row	1080	36366	100	51074	112

# 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.

## Supply Opening

Left, Right, Front, Back and Top Combinations: All supply openings are painted black to block the view into the unit. When one unit is used for two rooms, a sight baffle is placed between the two grilles.

## Supply Grille

Aluminum construction minimizes future maintenance and eliminates oxidation that can be caused from condensation. Available in single or double deflection ... with or without an opposed blade damper.

## Supply/Return Risers

Provided to meet the requirements of the job site: Custom lengths can be provided to meet the exact floor to floor dimension of the project. Risers are factory-installed and piped to ball valves with hose bib (GHT) connection located within the cabinet.

## Riser Cover

A galvanized steel protective cover is standard to guard against damage during shipping, handling and installation.

## Control Valves

Three-way valve standard, with an option for two 2-way valves for use with variable speed pump systems.

## Fan/Motor Assembly

*Plug-in type:* Easily removed through the return air opening, with EC technology.

## Insulation

High-density construction (2 lb./cu. ft.) with thermal and acoustical properties.

## Cabinet

*Galvanized monocoque construction:* Designed to handle the rigors of installation while providing long term performance.

## Refrigeration Chassis

Versatile removable-floating design with insulated compressor compartment and vibration isolation.

## Hydronic Heating Coil

Two-row or three-row integral water heating coil.

## Water Hoses

*Connecting the chassis to the supply and return water piping:* Isolates sound from the building piping system.

## Inner Service Panel

Removable service panel for access to unit control wiring and internal piping.

## Drain Pan

Internal stainless steel design with P-trap style rubber drain line.

## Thermostat

*Digital low-voltage thermostat:* Plug-in or remote mounted with manual or automatic changeover.

## Acoustical Panel

*Standard and flush mounted design:* Dampens sound while permitting filter removal without the need for tools. Filters are MERV-rated.

## Unit Performance Testing

All units are individually tested during the production process to ensure trouble-free start-ups and reliable service.

## Unit Tagging

Each unit is individually boxed and tagged with factory and customer-supplied information such as specific room numbers, riser numbers or any special requirements of the project.

## Air Conditioning

Model with EC Motor	AHRI Certified Performance ASHRAE / ANSI / AHRI / ISO Standard 13256-1				Heating GPM	Entering Liquid Temp Heating 105°F	
	CFM	GPM	Water Loop Heat Pump			Capacity Btuh	EER Btuh / W
			Cooling 86°F				
			Capacity Btuh	EER Btuh / W			
VP-C-204*D	290	1.5	6,200	13.20	1.5	7,087	239
VP-C-304*D	345	2.5	9,300	14.00	2.5	8,769	317
VP-C-404*D	465	3.3	11,700	13.80	3.3	9,883	371
VP-C-504*D	540	3.9	14,600	15.70	3.9	14,336	482
VP-C-604*D	650	4.5	17,800	14.60	4.5	16,884	603
VP-C-804*D	865	6.0	22,800	13.00	6.0	22,065	829
VP-C-814*D	830	6.0	Contact Factory		6.0	21,483	760
VP-C-1004*D	1045	7.5	28,200	13.50	7.5	27,629	944
VP-C-1204*D	1100	9.0	32,600	12.75	9.0	31,791	1124

Cooling based upon 80.6°F DB, 66.2°F WB entering air temperature

Heating based upon 68°F DB, 59°F WB entering air temperature

Performance based upon 208/60/1 voltage



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](http://whalencompany.com/relocator)**



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WL008 rev. 04-22