



## *Whispertherm® with Whisperpack® Chassis*

- ◆ User friendly package design
- ◆ Easy access to all components
- ◆ Energy-sharing technology
- ◆ Quiet and efficient operation
- ◆ Engineered for easy maintenance

... From the pioneer in vertical stack HVAC technology and innovation.



**Whispertherm® Integrated Thermal Recovery Unit with Energy Recovery Module for Fresh and Efficient Heating and Cooling**

**Making the Best Even Better**

Whispertherm® brings together Whalen’s field-proven Whisperpack® product with the means to deliver freshly-conditioned outdoor air.

The Whispertherm® integrated thermal recovery unit benefits the environmentally conscious owner by efficiently introducing the outdoor air into the occupied space. Rather than directly discarding exhaust air from the occupied space, its energy is transferred to the incoming fresh air. Less energy is required to bring this fresh air to the indoor conditions.

**Ideal for New Construction and Renovations – Both Low-Rise and High-Rise**

True to our commitment to offer flexible products that meet the design of the building rather than forcing conformity around product limitations, the Whispertherm® unit may be applied to a variety of building designs.

When combined with our Whisperpack® product line, owners benefit during the heating season by use of a hydronic heating air coil rather than reversing the refrigerant cycle. This allows for additional energy savings by turning off the compressor and diverting the condenser water to the air coil.



**Whispertherm® with Whisperpack® Chassis Water Source Heat Pump Capacities**

**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	6,400	13.70	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	14,200	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

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

**Hydronic Heating**

Data based on 70°F Entering DB and EC fan motor				Entering Water Temperature			
Unit Size	GPM	Heat Coil	CFM	105°F		120°F	
				Capacity Btu/h	LAT, °F	Capacity Btu/h	LAT, °F
204	1.5	2 row	270	7,087	93	10,016	103
		3 row	260	8,361	97	11,797	108
304	2.5	2 row	300	8,769	95	12,389	105
		3 row	290	9,837	98	13,861	109
404	3.3	2 row	360	9,883	94	14,142	105
		3 row	345	11,263	98	15,904	109
504	3.9	2 row	475	14,366	97	20,113	108
		3 row	460	16,815	102	23,583	115
604	4.5	2 row	600	16,884	96	23,707	106
		3 row	590	19,942	100	27,910	112
804	6	2 row	800	22,065	94	31,046	104
		3 row	790	26,689	99	37,436	111

## Benefits that Make a Big Difference

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

### Certified Performance

All Whalen products undergo an extensive internal design procedure and are tested in our state-of-the-art psychrometric laboratory. Each product is independently tested and has AHRI Certified performance, meaning you can rest assured that our products will perform as expected.

### Integrated Energy Recovery Module

Our integrated energy recovery module is fully removable for easy maintenance and capable of providing fresh air to the occupied space as well as exhausting multiple bathrooms.

### Safe, Reliable Operation

Integrated controls provide freeze protection for the heating and cooling system as well as the energy recovery module. Built-in dampers eliminate wind or stack effect to ensure reliable ventilation rates.

### Indoor Air Quality (IAQ)

Whispertherm® units improve indoor air quality by providing fresh air to your occupied space. Each filter is washable and is standard with anti-mold, fungus, and bacteria protection.

### Constant Fresh Air Flow

Each unit is programmed for a minimum constant air flow to provide the required outside air. Optional decorative wall controls provide intermittent high speed exhaust flow from one or two remote locations.

### Multiple Ventilation Rates

Each energy recovery module is shipped with a factory-set ventilation rate to balance the supply and exhaust air selected.

### Control Valves

The Whispertherm® unit uses two two-way valves for variable-speed pump systems.

### 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

The Whispertherm® unit uses either a two-row or three-row integral hydronic heating air coil.

### Water Hoses

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

### EC Motor

Constant torque EC motors come standard, providing five available motor speed settings and maintaining a constant motor torque as external static pressure in the system increases. Constant air EC motors are optional on sizes 04 - 08.

### 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

*Flush-mounted design:* Dampens sound while permitting filter removal without tools. Integrated design allows access to both the energy recovery module and the refrigeration chassis. Multiple grille sizes available. 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.





Whalen equipment has been specified in hundreds of projects in these and other categories:

- Hotels
- Senior Living Facilities
- Apartments
- Dormitories
- Condominiums
- Offices



## Take the Next Step

To learn more about how The Whalen Company can help you save time and money on your next project, contact your local Whalen representative, call **410-822-9200** to speak with one of our specialists, or e-mail your request to [sales@whalencompany.com](mailto:sales@whalencompany.com).

Additional technical resources, including dimensional drawings and Revit models, are available on our website at [www.whalencompany.com](http://www.whalencompany.com).

### Our Mission:

*Flexible, Comfort Solutions Provided With Pride  
From Our Family to You*

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.

### Your Whalen Representative:



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