



Whispertherm™ with Whisperpack® Chassis

INTEGRATED THERMAL RECOVERY UNIT

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.

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™ BENEFITS

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.





Whispertherm™ with Whisperpack® Chassis For Fresh and Efficient Heating and Cooling

Whisperpack® 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				
			Cooling 86°F				
	Capacity Btuh	EER Btuh / W	Capacity Btuh	EER Btuh / W			
204	290	1.5	6,400	13.70	1.5	7,087	239
304	345	2.5	9,300	14.00	2.5	8,769	317
404	465	3.3	11,700	13.80	3.3	9,883	371
504	540	3.9	14,200	15.70	3.9	14,336	482
604	650	4.5	17,800	14.60	4.5	16,884	603
804	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

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	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	6.0	2 row	800	22,065	94	31,046	104
		3 row	790	26,689	99	37,436	111

Cabinet Dimensions

	V(T,R)-C-0204	V(T,R)-C-0304	V(T,R)-C-0404	V(T,R)-C-0504	V(T,R)-C-0604	V(T,R)-C-0804
Width (in.)	21	21	21	21	21	21
Depth (in.)	28	28	28	28	28	28
Height (in.)	84	84	84	84	84	84

Chassis General Data

	VP-C-204*D	VP-C-304*D	VP-C-404*D	VP-C-504*D	VP-C-604*D	VP-C-804*D
Compressor Type	Recip	Recip	Recip	Recip	Recip	Scroll
Compressor Quantity	1	1	1	1	1	1
Whisperpack® Chassis Operating Weight (lbs.)	82	84	87	129	130	142
Cabinet Operating Weight (lbs.)	260	260	260	260	260	260
Whisperpack® Chassis Shipping Weight (lbs.)	88	90	93	135	136	148
Cabinet Shipping Weight (lbs.)	272	272	272	272	272	272
Filter Size	13 x 24 1	13 x 24 1	13 x 24 x 1	15 x 28 x 1	15 x 28 x 1	15 x 28 x 1
Filter Quantity	1	1	1	1	1	1