



## *Whisperline® Two-Stage Vertical Stack Water Source Heat Pump*

- ◆ Best-in-class 2-stage efficiency
- ◆ Superior comfort
- ◆ Efficient, clean and quiet operation
- ◆ Robust, energy-saving “green” design
- ◆ Ease in serviceability
- ◆ Lower installation cost ... lower O&M cost

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



**The Whalen Company**



# Whisperline® Two-Stage Vertical Stack Water Source Heat Pump

## Say hello to the Whisperline® VD Series

Introducing the Whisperline® VD Series, the industry's first and only 2-stage vertical stack water source heat pump; a highly efficient unit and the ideal solution for high performance buildings. The VD Series includes a two-stage scroll compressor and an ECM Motor (electronically commutated) resulting in superior efficiency and comfort.

This series offers our customers best-in-class comfort, efficiency and low noise levels along with a wide range of available options. The Whisperline® VD incorporates a number of features and options that provide maximum comfort and performance to users and maximum flexibility to engineers and architects.



## Benefits that Make a Big Difference

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

### Market Exclusivity

Industry's first and only 2-stage vertical stack water source heat pump.

### Energy Efficient

Best-in-class 2-stage efficiency provides year round savings.

### Quiet Operation

Best-in-class sound levels and quiet operation. High efficiency ECM constant torque fan motor for low sound levels.

### Ease in Serviceability

Service friendly features for easy repair and installation.

### Application Flexibility

Extensive features and options to meet virtually any jobsite requirement.

### Cabinet Design

Low leakage galvanized steel cabinet. Lift-out stainless-steel drain pan.

### Low Vibration

Floating compressor design and cabinet isolation pad to minimize vibration transmission.

### Superior Protection

Solid state safety controls for superior protection.

### Supply Opening

Left, right, front, back and top combinations. All supply openings are painted black to block the view into the unit and when one unit is used for two rooms, a sight baffle is placed between the two grilles.

### Supply/Return Risers

Provided to meet the requirements of the jobsite. Custom lengths and spacing can be provided to meet the exact floor to floor dimension of the project. Risers are factory installed and piped to ball valves within the cabinet.

### Refrigeration Chassis

Removable-floating design with insulated compressor compartment and vibration isolation.

### Water Hoses

Connects chassis to the supply and return water piping. Isolates potential compressor vibration from the building piping system.

### Inner Service Panel

Removable for access to the unit control wiring and internal piping.

### Filter

MERV-rated, throwaway or permanent. Filter from MERV 4 to MERV 13.

### Drain Pan

Lift-out stainless steel pan with P-Trap covers the entire unit bottom and can be easily removed for cleaning.

### Thermostat

Low voltage; plug-in or remote mounted; manual or automatic changeover; all electronic/digital.

### Acoustical Panel

Flush mounted design with hinged door to allow easy filter removal without the use of tools.

## Whisperline® Two-Stage Vertical Stack Performance

Full Load Model	CFM	GPM	Water Loop Heat Pump				Ground Loop Heat Pump			
			Cooling 86°F		Heating 68°F		Cooling 77°F		Heating 32°F	
			Capacity Btuh	EER Btuh / W	Capacity Btuh	COP	Capacity Btuh	EER Btuh / W	Capacity Btuh	COP
VDA0801**A	850	8.0	23,500	16.0	29,600	5.6	24,500	17.5	17,000	4.0
VDA1001**A	1170	9.0	30,300	15.8	41,000	5.7	31,300	16.9	22,200	3.8
VDA1201**A	1250	10.0	36,000	16.0	46,400	5.7	37,000	16.9	25,800	3.8
Part Load Model	CFM	GPM	Water Loop Heat Pump				Ground Loop Heat Pump			
			Cooling 86°F		Heating 68°F		Cooling 68°F		Heating 41°F	
			Capacity Btuh	EER Btuh / W	Capacity Btuh	COP	Capacity Btuh	EER Btuh / W	Capacity Btuh	COP
VDA0801**A	750	7.0	18,700	17.6	22,600	6.6	19,300	18.5	12,200	4.2
VDA1001**A	1000	8.0	22,700	17.5	29,500	6.2	23,400	18.0	17,600	4.2
VDA1201**A	1030	9.0	26,300	17.3	32,600	6.3	27,500	18.3	19,600	4.2



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

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



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.

### 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*

**Your Whalen Representative:**



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