



# Water Source/Geothermal Heat Pumps and Air Conditioners Product Catalog



Product Description	Whisperline® Series	Page
<b>Classic</b> WSHP/GHP/WSAC Applications Vertical stack with slide-out chassis ½ to 3 Tons 200 to 1200 CFM		5
<b>Single Riser System with Integral pump</b> WSHP/GHP/WSAC applications Vertical stack with slide-out chassis ½ to 3 Tons 200 to 1200 CFM		6
<b>2-Stage Vertical Stack</b> WSHP/GHP/WSAC applications Vertical stack with slide-out chassis ½ to 3 Tons 200 to 1200 CFM		7
<b>Classic</b> WSHP/GHP/WSAC applications Ducted vertical with slide-out chassis ½ to 3 Tons 200 to 1200 CFM		8
<b>Single Riser System with Integral pump</b> WSHP/GHP/WSAC applications Ducted vertical with slide-out chassis ½ to 3 Tons 200 to 1200 CFM		9
<b>WCS Console Water Source Heat Pump</b> WLHP applications Ducted console unit with fixed chassis ¾ to 1 ½ Tons 250 to 540 CFM		10
<b>Whisperpack® Series</b>		
<b>Water Source AC with Hydronic Heating</b> WSHP/WSAC applications Vertical stack with slide-out chassis ½ to 3 Tons 200 to 1200 CFM		12
<b>Water Source AC with Hydronic Heating</b> WSHP/WSAC applications Ducted vertical with slide-out chassis ½ to 3 Tons 200 to 1200 CFM		13
<b>Whispertherm® Series</b>		
<b>Whispertherm® Integrated Thermal Recovery Unit with Whisperline® Chassis</b> WSHP/WSAC applications ½ to 3 Tons 280 to 1200 CFM		15
<b>Whispertherm® Integrated Thermal Recovery Unit with Whisperpack® Chassis</b> WSHP/WSAC applications ½ to 3 Tons 280 to 1200 CFM		16

# Table of Contents

Closetline® Series		
<b>CAS Water Source Heat Pump</b> WLHP applications Vertical and horizontal ducted unit with fixed chassis ½ to 5 Tons 200 to 2000 CFM		18

KEY
<b>WSHP</b> - Water Source Heat Pump
<b>GHP</b> - Geothermal Heat Pump
<b>WSAC</b> - Water Source Air Conditioner
<b>WLHP</b> - Water Loop Heat Pump



# Whisperline® Series



The Whalen Whisperline® Water Source Heat Pump is a proven concept in air conditioning any type of building – advantageous for new construction and renovation of apartments, condominiums, hotels, senior living facilities, dormitories and office buildings.

If you're looking for a unit that offers design flexibility, provides a lower installed cost, reduces maintenance, and incorporates features like aluminum grilles for a superior long-lasting appearance, the Whisperline® is the natural choice for you.

# Whisperline® Vertical Stack

## Classic Water Source/Geothermal Heat Pump and Air Conditioner

A proven time and money saving concept in air conditioning any type of building... advantageous for both new construction and the renovation of apartments, condominiums, hotels, senior living facilities, dormitories and office buildings.

### Features:

- Flexible configuration
- Efficient operation
- Low installed cost
- Reduced maintenance costs
- Small footprint
- Clean and quiet operation

Model	Applications	Risers	Tons
VP-A-204*S	Water Source and Geothermal Heat Pump	Standard	0.50
VP-A-304*S/G	Water Source Heat Pump with Electric Heat (Boilerless Design)		0.75
VP-A-404*S/G			1.00
VP-A-504*/G			1.25
VP-A-604*S/G	Water Source/Geothermal Heat Pump with Electric Heat (Supplemental)	Primary	1.25
VP-A-804*D	Water Source Air Conditioning Unit with Electric Heat	Secondary	2.00
VP-A-814*D		Special	2.00
VP-A-1004*D			2.50
VP-A-1204*D			3.00

### Whisperline® Vertical Stack Performance Ratings

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
Model with PSC Motor										
VP-A-0204*S	280	1.5	6,500	13.0	8,300	5.1	6,900	14.2	5,200	3.2
VP-A-0304*S	340	2.5	9,300	13.8	11,500	5.2	9,650	14.8	6,850	3.2
VP-A-0404*S	420	3.3	11,800	13.8	14,500	5.0	12,500	15.8	9,300	3.2
VP-A-0604*S	630	4.5	18,000	14.5	21,600	5.0	18,800	15.5	13,000	3.2
Model with EC Motor										
VP-A-0304*G	340	2.5	9,300	14.4	11,500	5.4	9,650	15.4	6,850	3.3
VP-A-0404*G	420	3.3	12,000	14.0	14,500	5.2	12,700	16.0	9,400	3.3
VP-A-0504*G	540	3.9	14,600	16.7	18,400	6.0	15,200	17.7	11,000	3.5
VP-A-0604*G	630	4.5	18,200	15.2	21,600	5.1	19,000	16.2	13,000	3.2
VP-A-0804*D	830	6.0	23,000	13.1	30,000	5.0	25,000	14.5	19,000	3.2
VP-A-0814*D	830	6.0	25,000	14.8	30,000	5.0	26,000	15.7	19,000	3.2
VP-A-1004*D	970	7.5	29,200	14.2	35,900	5.0	29,700	15.5	22,000	3.2
VP-A-1204*D	1170	9.0	33,100	14.2	42,000	5.2	33,600	15.3	25,400	3.3

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

Model	Compressor	R-410A Refrigerant Charge (oz.)	Fan Motor	Voltage	Estimated Ship Weight Cabinet / Chassis (lbs)
VP-A-204*S	Recip	23.5	PSC, EC	208-230/60/1	145 / 85
VP-A-304*S/G	Recip	26.0	PSC, EC		145 / 87
VP-A-404*S/G	Recip	25.3	PSC, EC		145 / 89
VP-A-504*/G	Recip	33.5	EC		165 / 128
VP-A-604*S/G	Recip	35.0	PSC, EC	265/60/1	165 / 129
VP-A-804*D	Recip/Scroll	38.0	EC		165 / 138
VP-A-814*D	Recip	48.0	EC		185 / 186
VP-A-1004*D	Scroll	48.5	EC		185 / 171
VP-A-1204*D	Scroll	54.0	EC		185 / 181



# Whisperline® Vertical Stack

## Single Riser System with Integral Pump Water Source/ Geothermal Heat Pump and Air Conditioner

By using only one riser to distribute fluid to a heat pump when two pipes are usually required, this unit allows designers to specify a single riser size to help control costs during initial and payout phases of construction.

### Features:

- Superior comfort
- Efficient, clean and quiet operation
- Robust, energy-saving “green” design
- Small footprint ... flexible configurations
- Reduced project design requirements
- Lower installation cost ... lower O&M costs

Model	Applications	Risers	Tons
VP-A-204*S	Water Source and Geothermal Heat Pump	Standard	0.50
VP-A-304*S/G			0.75
VP-A-404*S/G			1.00
VP-A-504*/G	Water Source Heat Pump with Electric Heat (Boilerless Design)	Primary	1.25
VP-A-604*S/G			1.50
VP-A-804*D	Water Source/Geothermal Heat Pump with Electric Heat (Supplemental)	Secondary	2.00
VP-A-814*D			2.00
VP-A-1004*D	Water Source Air Conditioning Unit with Electric Heat	Special	2.50
VP-A-1204*D			3.00



### Whisperline® Vertical Stack Performance Ratings

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
Model with PSC Motor										
VP-A-0204*S	280	1.5	6,500	13.0	8,300	5.1	6,900	14.2	5,200	3.2
VP-A-0304*S	340	2.5	9,300	13.8	11,500	5.2	9,650	14.8	6,850	3.2
VP-A-0404*S	420	3.3	11,800	13.8	14,500	5.0	12,500	15.8	9,300	3.2
VP-A-0604*S	630	4.5	18,000	14.5	21,600	5.0	18,800	15.5	13,000	3.2
Model with EC Motor										
VP-A-0304*G	340	2.5	9,300	14.4	11,500	5.4	9,650	15.4	6,850	3.3
VP-A-0404*G	420	3.3	12,000	14.0	14,500	5.2	12,700	16.0	9,400	3.3
VP-A-0504*G	540	3.9	14,600	16.7	18,400	6.0	15,200	17.7	11,000	3.5
VP-A-0604*G	630	4.5	18,200	15.2	21,600	5.1	19,000	16.2	13,000	3.2
VP-A-0804*D	830	6.0	23,000	13.1	30,000	5.0	25,000	14.5	19,000	3.2
VP-A-0814*D	830	6.0	25,000	14.8	30,000	5.0	26,000	15.7	19,000	3.2
VP-A-1004*D	970	7.5	29,200	14.2	35,900	5.0	29,700	15.5	22,000	3.2
VP-A-1204*D	1170	9.0	33,100	14.2	42,000	5.2	33,600	15.3	25,400	3.3

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

Model	Compressor	R-410A Refrigerant Charge (oz.)	Fan Motor	Voltage	Estimated Ship Weight Cabinet / Chassis (lbs)
VP-A-204*S	Recip	23.5	PSC, EC	208-230/60/1 265/60/1	145 / 85
VP-A-304*S/G	Recip	26.0	PSC, EC		145 / 87
VP-A-404*S/G	Recip	25.3	PSC, EC		145 / 89
VP-A-504*/G	Recip	33.5	EC		165 / 128
VP-A-604*S/G	Recip	35.0	PSC, EC		165 / 129
VP-A-804*D	Recip/Scroll	38.0	EC		165 / 138
VP-A-814*D	Recip	48.0	EC		185 / 186
VP-A-1004*D	Scroll	48.5	EC		185 / 171
VP-A-1204*D	Scroll	54.0	EC		185 / 181





# Whisperline® 2-Stage Vertical Stack

## 2-Stage Water Source/Geothermal Heat Pump and Air Conditioner

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.

### Features:

- Market exclusivity
- Energy efficient
- Quiet operation
- Ease in serviceability
- Application Flexibility

### Whisperline® 2-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



# Whisperline® Ducted Vertical with Slide-out Chassis

## Classic Water Source/Geothermal Heat Pump and Air Conditioner

A vertical unit requiring access on only one side and serviceability that provides added flexibility over traditional units. Used in a variety of new and renovation construction projects similar to apartments, dormitories and office buildings. Only one side access required with slide-out chassis.

### Features:

- Flexible configurations
- Efficient operation
- Reduced maintenance costs
- Small footprint
- Clean and quiet operation

Model	Applications	Risers	Tons
VP-A-204*S	Water Source and Geothermal Heat Pump	Standard	0.50
VP-A-304*S/G			0.75
VP-A-404*S/G	Water Source Heat Pump with Electric Heat (Boilerless Design)		1.00
VP-A-504*/G			1.25
VP-A-604*S/G	Water Source/Geothermal Heat Pump with Electric Heat (Supplemental)	Primary	1.25
VP-A-804*D			2.00
VP-A-814*D	Water Source Air Conditioning Unit with Electric Heat	Special	2.00
VP-A-1004*D			2.50
VP-A-1204*D	Water Source Air Conditioning Unit		3.00



### Whisperline® Ducted Vertical with Slide-Out Chassis Performance Ratings

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
Model with PSC Motor										
VP-A-0204*S	280	1.5	6,500	13.0	8,300	5.1	6,900	14.2	5,200	3.2
VP-A-0304*S	340	2.5	9,300	13.8	11,500	5.2	9,650	14.8	6,850	3.2
VP-A-0404*S	420	3.3	11,800	13.8	14,500	5.0	12,500	15.8	9,300	3.2
VP-A-0604*S	630	4.5	18,000	14.5	21,600	5.0	18,800	15.5	13,000	3.2
Model with EC Motor										
VP-A-0304*G	340	2.5	9,300	14.4	11,500	5.4	9,650	15.4	6,850	3.3
VP-A-0404*G	420	3.3	12,000	14.0	14,500	5.2	12,700	16.0	9,400	3.3
VP-A-0504*G	540	3.9	14,600	16.7	18,400	6.0	15,200	17.7	11,000	3.5
VP-A-0604*G	630	4.5	18,200	15.2	21,600	5.1	19,000	16.2	13,000	3.2
VP-A-0804*D	830	6.0	23,000	13.1	30,000	5.0	25,000	14.5	19,000	3.2
VP-A-0814*D	830	6.0	25,000	14.8	30,000	5.0	26,000	15.7	19,000	3.2
VP-A-1004*D	970	7.5	29,200	14.2	35,900	5.0	29,700	15.5	22,000	3.2
VP-A-1204*D	1170	9.0	33,100	14.2	42,000	5.2	33,600	15.3	25,400	3.3

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

Model	Compressor	R-410A Refrigerant Charge (oz.)	Fan Motor	Voltage	Estimated Ship Weight Cabinet / Chassis (lbs)
VP-A-204*S	Recip	23.5	PSC, EC	208-230/60/1 265/60/1	145 / 85
VP-A-304*S/G	Recip	26.0	PSC, EC		145 / 87
VP-A-404*S/G	Recip	25.3	PSC, EC		145 / 89
VP-A-504*/G	Recip	33.5	EC		165 / 128
VP-A-604*S/G	Recip	35.0	PSC, EC		165 / 129
VP-A-804*D	Recip/Scroll	38.0	EC		165 / 138
VP-A-814*D	Recip	48.0	EC		185 / 186
VP-A-1004*D	Scroll	48.5	EC		185 / 171
VP-A-1204*D	Scroll	54.0	EC		185 / 181





# Whisperline® Ducted Vertical with Slide-out Chassis Single Riser System with Integral Pump Water Source/Geothermal Heat Pump and Air Conditioner

By using only one riser to distribute fluid to a heat pump when two pipes are usually required, this unit allows designers to specify a single riser size to help control costs during initial and payout phases of construction. Only one side access required with slide-out chassis.

## Features:

- Efficient, clean and quiet operation
- Robust, energy-saving "green" design
- Small footprint ... flexible configurations
- Reduced project design requirements
- Lower installation cost ... lower O&M costs

Model	Applications	Risers	Tons
VP-A-204*S	Water Source and Geothermal Heat Pump	Standard	0.50
VP-A-304*S/G			0.75
VP-A-404*S/G	Water Source Heat Pump with Electric Heat (Boilerless Design)		1.00
VP-A-504*G			1.25
VP-A-604*S/G	Water Source/Geothermal Heat Pump with Electric Heat (Supplemental)	Primary	1.25
VP-A-804*D			2.00
VP-A-814*D	Water Source Air Conditioning Unit with Electric Heat	Special	2.00
VP-A-1004*D			2.50
VP-A-1204*D	Water Source Air Conditioning Unit		3.00

## Whisperline® Ducted Vertical with Slide-Out Chassis Performance Ratings

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
Model with PSC Motor										
VP-A-0204*S	280	1.5	6,500	13.0	8,300	5.1	6,900	14.2	5,200	3.2
VP-A-0304*S	340	2.5	9,300	13.8	11,500	5.2	9,650	14.8	6,850	3.2
VP-A-0404*S	420	3.3	11,800	13.8	14,500	5.0	12,500	15.8	9,300	3.2
VP-A-0604*S	630	4.5	18,000	14.5	21,600	5.0	18,800	15.5	13,000	3.2
Model with EC Motor										
VP-A-0304*G	340	2.5	9,300	14.4	11,500	5.4	9,650	15.4	6,850	3.3
VP-A-0404*G	420	3.3	12,000	14.0	14,500	5.2	12,700	16.0	9,400	3.3
VP-A-0504*G	540	3.9	14,600	16.7	18,400	6.0	15,200	17.7	11,000	3.5
VP-A-0604*G	630	4.5	18,200	15.2	21,600	5.1	19,000	16.2	13,000	3.2
VP-A-0804*D	830	6.0	23,000	13.1	30,000	5.0	25,000	14.5	19,000	3.2
VP-A-0814*D	830	6.0	25,000	14.8	30,000	5.0	26,000	15.7	19,000	3.2
VP-A-1004*D	970	7.5	29,200	14.2	35,900	5.0	29,700	15.5	22,000	3.2
VP-A-1204*D	1170	9.0	33,100	14.2	42,000	5.2	33,600	15.3	25,400	3.3

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

Model	Compressor	R-410A Refrigerant Charge (oz.)	Fan Motor	Voltage	Estimated Ship Weight Cabinet / Chassis (lbs)
VP-A-204*S	Recip	23.5	PSC, EC	208-230/60/1	145 / 85
VP-A-304*S/G	Recip	26.0	PSC, EC		145 / 87
VP-A-404*S/G	Recip	25.3	PSC, EC		145 / 89
VP-A-504*G	Recip	33.5	EC		165 / 128
VP-A-604*S/G	Recip	35.0	PSC, EC		165 / 129
VP-A-804*D	Recip/Scroll	38.0	EC	265/60/1	165 / 138
VP-A-814*D	Recip	48.0	EC		185 / 186
VP-A-1004*D	Scroll	48.5	EC		185 / 171
VP-A-1204*D	Scroll	54.0	EC		185 / 181



Whisperline®

## WCS Console Water Source Heat Pump and A/C

3/4 thru 1 ½ Tons

**Available with energy saving ECM motor**

The WCS series water source heat pump console unit provides environment friendly, high efficiency, cooling and heating where individual, quiet control of space is a priority. The WCS series is designed with the growing retrofit market in mind, making it an ideal choice for renovation or new construction projects. The unit cabinet is powder-painted appliance-grade steel and includes an attractive extruded aluminum grille and control door.

The WCS series has two chassis sizes, small (models 08, 10 and 12), and large (models 15 and 18). Quality components, careful design and testing, and the latest in environmentally friendly technology advances assure long life, user satisfaction, and lower energy cost.

### Features:

- Sizes ¾-ton through 1 ½
- Environmentally friendly HFC-410A zero ozone depletion refrigerant
- Advanced digital auto change-over unit mounted control with temperature display, and speed selection
- Remote-mounted control available
- Right or left-hand piping arrangement
- Powder-painted drain pan
- Refrigerant circuit access ports
- Electrostatic air filter
- Microprocessor controls standard
- Evaporator freeze protection
- Water coil freezestat
- High pressure over protection
- Anti-short cycle protection
- Electronic control board

### Whisperline® WCS Console Performance Ratings

Model	Air Flow CFM Hi/Lo	Water Flow GPM	ASHRAE/ANSI/AHRI/ISO Standard 13256-1				
			Water Loop Heat Pump				
			Cooling 86°F			Heating 68°F	
			Cooling Total Btuh	Cooling Sensible Btuh	Cooling EER	Heating Total Btuh	Heating COP
WCS-08	300/250	2.0	7,800	6,000	14.0	9,200	4.4
WCS-10	395/330	2.5	10,600	8,000	13.6	12,100	4.6
WCS-12	400/350	3.0	11,500	9,400	12.4	14,000	4.3
WCS-15	475/400	3.8	14,700	10,700	13.8	16,100	4.3
WCS-18	540/420	4.5	17,800	13,700	13.1	21,000	4.4



Model	Length	Depth	Height
WCS-08	44.56	10.75	25.50
WCS-10	44.56	10.75	25.50
WCS-12	44.56	10.75	25.50
WCS-15	54.56	12.56	25.50
WCS-18	54.56	12.56	25.50



# Whisperpack® Series



If you're looking for a unit that provides the reliable air conditioning of a water source heat pump with the near-silent heating of a fan coil, the Whisperpack® from Whalen delivers the best of both worlds.

Combining the best characteristics of our 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® Vertical Stack

## Air Conditioning with Hydronic Heating

## Water Source Air Conditioning with Water Heating

By packaging the best characteristics of our compressorized and fan coil product lines, we have developed a unit that offers the air conditioning performance we are known for with the operational characteristics found in our proven fan coil units.

### Features:

- Flexible configurations
- Package design lowers field labor cost
- Incorporates energy sharing concepts
- Easy maintenance
- Clean and quiet operation

Model	Applications	Risers	Tons
VP-C-204*G	C = Air Conditioning with Hydronic Heating	Standard	0.50
VP-C-304*G			0.75
VP-C-404*G			1.00
VP-C-504*G		Primary	1.25
VP-C-604*G			1.25
VP-C-804*D		Secondary	2.00
VP-C-1004*D			2.50
VP-C-1204*D			3.00



### Whisperpack® Vertical Stack Performance Ratings

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			
VP-C-204*G	290	1.5	6,400	13.70	1.5	7,087	239
VP-C-304*G	345	2.5	9,300	14.00	2.5	8,769	317
VP-C-404*G	465	3.3	11,700	13.80	3.3	9,883	371
VP-C-504*G	540	3.9	14,200	15.70	3.9	14,336	482
VP-C-604*G	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	22,800	13.50	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	13.60	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

Model	Compressor	R-410A Refrigerant Charge (oz.)	Fan Motor	Voltage	Estimated Ship Weight Cabinet / Chassis (lbs)
VP-C-204*G	Recip	23.0	EC	208-230/60/1 265/60/1	153 / 88
VP-C-304*G	Recip	24.0	EC		153 / 90
VP-C-404*G	Recip	26.3	EC		153 / 93
VP-C-504*G	Recip	33.0	EC		173 / 135
VP-C-604*G	Recip	34.0	EC		173 / 136
VP-C-804*D	Scroll	36.0	EC		173 / 148
VP-C-1004*D	Scroll	46.0	EC		192 / 183
VP-C-1204*D	Scroll	51.0	EC		192 / 194



# Whisperpack® Ducted Vertical with Slide-out Chassis

## Air Conditioning with Hydronic Heating

## Water Source Air Conditioning with Water Heating

By packaging the best characteristics of our compressorized and fan coil product lines, we have developed a unit that offers the air conditioning performance we are known for with the operational characteristics found in our proven fan coil units. Only one side access required with slide-out chassis.

### Features:

- Package design lowers field labor cost
- Incorporates energy sharing concepts
- Easy maintenance
- Clean and quiet operation



Model	Applications	Risers	Tons
VP-C-204*G	C = Air Conditioning with Hydronic Heating	Standard	0.50
VP-C-304*G			0.75
VP-C-404*G			1.00
VP-C-504*G		Primary	1.25
VP-C-604*D			1.25
VP-C-804*D		Secondary	2.00
VP-C-814*D			2.00
VP-C-1004*D		Special	2.50
VP-C-1204*D			3.00

### Whisperpack® Ducted Vertical Performance Ratings

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			
VP-C-204*G	290	1.5	6,400	13.70	1.5	7,087	239
VP-C-304*G	345	2.5	9,300	14.00	2.5	8,769	317
VP-C-404*G	465	3.3	11,700	13.80	3.3	9,883	371
VP-C-504*G	540	3.9	14,200	15.70	3.9	14,336	482
VP-C-604*G	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	22,800	13.50	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	13.60	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

Model	Compressor	R-410A Refrigerant Charge (oz.)	Fan Motor	Voltage	Estimated Ship Weight Cabinet / Chassis (lbs)
VP-C-204*G	Recip	23.0	EC	208-230/60/1 265/60/1	153 / 88
VP-C-304*G	Recip	24.0	EC		153 / 90
VP-C-404*G	Recip	26.3	EC		153 / 93
VP-C-504*G	Recip	33.0	EC		173 / 135
VP-C-604*G	Recip	34.0	EC		173 / 136
VP-C-804*D	Scroll	36.0	EC		173 / 148
VP-C-1004*D	Scroll	46.0	EC		192 / 183
VP-C-1204*D	Scroll	51.0	EC		192 / 194



# Whispertherm® Series



Whispertherm® brings together Whalen's field-proven Whisperline® or Whisperpack® products 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.



# Whispertherm® Integrated Thermal Recovery Unit with Whisperline® Chassis

Whispertherm® brings together Whalen's field-proven Whisperline® 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. When combined with our Whisperline® product line, an efficient reverse cycle heat pump effectively conditions the occupied space year-round.



## Features:

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

## Whispertherm® Integrated Thermal Recovery Unit with Whisperline® Chassis Performance Ratings

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
V(T,N)-A-0204*G	280	1.5	6,200	13.2	8,000	5.3	6,600	14.2	4,600	3.2
V(T,N)-A-0304*G	340	2.5	9,300	14.4	11,500	5.4	9,650	15.4	6,850	3.3
V(T,N)-A-0404*G	440	3.3	12,000	14.0	14,500	5.2	12,700	16.0	9,400	3.3
V(T,N)-A-0504*G	540	3.9	15,000	16.1	18,200	5.5	15,500	17.0	10,800	3.2
V(T,N)-A-0604*G	655	4.5	18,200	15.2	21,600	5.1	19,000	16.2	13,000	3.3
V(T,N)-A-0804*D	830	6.0	23,000	13.1	30,000	5.0	25,000	14.5	19,000	3.2
V(T,N)-A-0814*D	830	6.0	23,200	16.0	28,200	5.6	24,000	17.1	17,000	3.8
V(T,N)-A-1004*D	970	7.5	30,000	17.0	34,800	5.5	31,000	18.2	20,800	3.8
V(T,N)-A-1204*D	1170	9.0	37,000	15.9	41,200	5.5	38,200	16.9	24,800	3.7

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

Model	Compressor	R-410A Refrigerant Charge (oz.)	Fan Motor	Voltage	Estimated Ship Weight Cabinet / Chassis (lbs)
VP-A-204*G	Recip	23.5	EC	208-230/60/1	272 / 85
VP-A-304*G	Recip	26.0	EC		272 / 87
VP-A-404*G	Recip	25.3	EC		272 / 89
VP-A-504*G	Recip	33.5	EC		272 / 128
VP-A-604*G	Recip	35.0	EC		272 / 129
VP-A-804*D	Recip/Scroll	38.0	EC	265/60/1	272 / 138
VP-A-814*D	Scroll	48.0	EC		302 / 186
VP-A-1004*D	Scroll	48.5	EC		302 / 171
VP-A-1204*D	Scroll	54.0	EC		302 / 181



# Whispertherm® Integrated Thermal Recovery Unit with Whisperpack® Chassis

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. 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.

## Features:

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



## Whispertherm® Integrated Thermal Recovery Unit with Whisperpack® Chassis Performance Ratings

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			
V(T,N)-C-204*D	290	1.5	6,400	13.70	1.5	7,087	239
V(T,N)-C-304*D	345	2.5	9,300	14.00	2.5	8,769	317
V(T,N)-C-404*D	465	3.3	11,700	13.80	3.3	9,883	371
V(T,N)-C-504*D	540	3.9	14,200	15.70	3.9	14,336	482
V(T,N)-C-604*D	650	4.5	17,800	14.60	4.5	16,884	603
V(T,N)-C-804*D	865	6.0	22,800	13.00	6.0	22,065	829
V(T,N)-C-0814*D	830	6.0	22,800	13.50	6.0	21,483	760
V(T,N)-C-1004*D	1045	7.5	28,200	13.50	7.5	27,629	944
V(T,N)-C1204*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

Model	Compressor	R-410A Refrigerant Charge (oz.)	Fan Motor	Voltage	Estimated Ship Weight Cabinet / Chassis (lbs)
VP-C-204*G	Recip	23.0	EC	208-230/60/1 265/60/1	272 / 88
VP-C-304*G	Recip	24.0	EC		272 / 90
VP-C-404*G	Recip	26.3	EC		272 / 93
VP-C-504*G	Recip	33.0	EC		272 / 135
VP-C-604*G	Recip	34.0	EC		272 / 136
VP-C-804*D	Scroll	36.0	EC		272 / 148
VP-C-0814*D	Scroll	43.0	EC		302 / 183
VP-C-1004*D	Scroll	46.0	EC		302 / 183
VP-C-1204*D	Scroll	51.0	EC		302 / 194



# Closetline® Series

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The Closetline® CAS series from The Whalen Company boasts a compact cabinet, making this heat pump system the perfect solution for commercial retrofit or new construction applications.

The Closetline® CAS series far exceeds the ASHRAE 90.1 minimum efficiency and utilizes environmentally friendly R-410A refrigerant to reduce operating costs without compromising the environment. Closetline® water source heat pumps are popular in a variety of building applications where quiet operation in a compact footprint is a key requirement.

# CAS Packaged Water Source Heat Pump

## 1/2 to 6-Tons

The Closetline® CAS series from The Whalen Company boasts a compact cabinet, making this heat pump system the perfect solution for commercial retrofit or new construction applications. The Closetline® CAS series far exceeds the ASHRAE 90.1 minimum efficiency and utilizes environmentally friendly R-410A refrigerant to reduce operating costs without compromising the environment. Closetline® water source heat pumps are popular in a variety of building applications where quiet operation in a compact footprint is a key requirement.

### Features:

- Single-stage operation up to 17 EER
- Horizontal or vertical configuration
- Compact footprint with easy service access
- Open or closed loop applications
- Hybrid heating and cooling operation
- CuNi heat exchanger available

### Closetline® CAS Performance Ratings - EC Motor

Model with EC Motor	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
CAS**006A	200	2.0	6,000	17.0	7,500	4.9	6,300	17.2	4,600	3.5
CAS**009A	300	2.5	9,000	14.0	11,500	4.4	9,630	15.5	7,000	3.4
CAS**012A	400	3.0	12,500	12.7	15,000	4.1	13,000	14.5	10,000	3.4
CAS**015A	500	3.8	15,000	17.0	18,000	5.6	15,000	19.0	12,000	4.0
CAS**018A	600	4.5	18,000	17.0	21,600	5.6	18,500	19.0	13,500	4.0
CAS**024A	800	6.0	24,000	16.4	28,000	5.2	25,000	18.5	17,000	3.7
CAS**030A	1000	7.5	30,000	16.0	34,000	4.6	30,000	17.5	23,000	3.6
CAS**036A	1200	9.0	36,000	17.0	43,000	5.0	36,000	19.0	28,000	3.6
CAS**042A	1400	10.5	42,000	15.0	49,000	4.6	43,000	17.0	33,000	3.5
CAS**048A	1600	12.0	48,000	15.0	56,000	4.6	49,000	17.0	35,000	3.5
CAS--060A	2000	15.0	58,000	15.0	72,000	4.6	59,000	17.0	49,000	3.5
CAS**072A	2200	180	71,000	15.0	78,000	4.2	72,000	17.0	53,000	3.0

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



Model	Width	Depth	Height
Vertical Cabinet			
006-012	19.0	19.0	24.0
015-018	22.0	22.0	36.0
024	22.0	22.0	40.0
030	25.0	26.0	40.0
036	25.0	26.0	45.0
042	25.0	26.0	45.0
048-060	25.0	32.0	45.0
072	26.0	32.0	61.0

Model	Length	Width	Height
Horizontal Cabinet			
009-012	34.0	20.0	11.5
015-018	43.0	22.0	17.0
024-030	45.0	22.0	17.0
036	55.0	22.0	19.0
042	55.0	22.0	22.0
048-060	55.0	25.0	22.0
072	67.0	28.0	24.0





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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