



## *Whisperline® Console* Water Source Heat Pump with R-410A Refrigerant

- ◆ Damage protection
- ◆ Fast and easy replacement
- ◆ Optional chassis only
- ◆ Efficient operation
- ◆ Clean and quiet operation

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



**The Whalen Company**

# Whisperline® Console Water Source Heat Pump

The Whisperline® 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.



## Standard Features:

- Made in the USA
- Designed for easy installation and compatibility.
- ETL approved
- Quiet, durable, and efficient compressor with built-in pressure and temperature protection
- Heavy gauge G90 galvanized steel construction
- Powder-painted drain pan
- High efficiency copper tube-aluminum fin evaporator coil
- High efficiency coaxial condenser coil with low water-side pressure drop
- Unit-mounted digital controls
- Electronic control board with anti-short cycle protection
- High pressure switch
- Frost-free cooling
- Water coil freeze protection
- Refrigerant circuit access ports
- Capillary expansion
- Positive shift reversing valve
- Precision charged with zerOzone R-410A refrigerant
- 1/2 Inch water connections
- Electrostatic air filter

## Electrical Data\*

Model	Compressor Type	Voltage Volt-Hz-Ph	Fan		Compressor		Total Amps	Ckt Amps	Max Fuse	Min Volts
			Amps	HP	RLA	LRA				
WCS-08	Rotary	115/60/1	1.2	1/10	6.1	39.1	7.3	9.0	15	104
WCS-08	Rotary	208-230/60/1	0.4	1/10	3.0	15.0	3.4	5.0	15	197
WCS-08	Rotary	265/60/1	0.4	1/10	2.7	11.0	3.1	4.0	15	240
WCS-10	Rotary	115/60/1	1.2	1/10	8.0	50.0	9.2	11.5	15	104
WCS-10	Rotary	208-230/60/1	0.4	1/10	4.4	20.0	4.8	6.0	15	197
WCS-10	Rotary	265/60/1	0.4	1/10	3.4	21.0	3.7	5.0	15	240
WCS-12	Rotary	115/60/1	1.2	1/10	9.5	50.0	10.7	14.0	20	104
WCS-12	Rotary	208-230/60/1	0.4	1/10	4.7	25.0	5.1	7.0	15	197
WCS-12	Rotary	265/60/1	0.4	1/10	4.2	22.0	4.6	6.0	15	240
WCS-15	Rotary	208-230/60/1	0.6	1/10	5.6	29.0	6.2	8.0	15	197
WCS-15	Rotary	265/60/1	0.6	1/10	5.0	28.0	5.6	7.0	15	240
WCS-18	Rotary	208-230/60/1	0.6	1/10	7.4	33.0	8.0	10.0	15	197
WCS-18	Rotary	265/60/1	0.6	1/10	6.0	28.0	6.6	9.0	15	240

\* If optional electric heat is selected see Electric Heat Ratings Table: Total Amps, Ampacity and Fuse is the larger Value.

## Electrical Heat Ratings\* (Boilerless)

Heater No.	Volt	Watts	Btuh	HTR Amps	Total HTR Amps	Min Ckt Amps	Max Fuse
1	208	1,000	3,400	4.8	5.4	7	15
	230	1,220	4,160	5.3	5.9	7	15
	277	1,000	3,400	3.6	4.2	5	15
2	208	2,000	6,820	9.6	10.2	13	15
	230	2,450	8,350	10.7	11.3	14	15
	277	2,000	6,820	7.3	7.9	10	15

\*Optional

# Benefits that Make a Big Difference

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

The WCS Series is the perfect solution for new construction and replacement projects the competition can't match. The Whalen Company backs the WCS with a customer friendly one-year parts and labor warranty and five-year compressor warranty.

## Damage Protection

The standard high-pressure switch and evaporator coil freeze protection, in conjunction with the electronic control board, stops unit operation before damage occurs, should airflow become reduced or obstructed due to dirty filters, obstructed airflow, or motor failure. A freestat protects the water coil from freeze damage due to water temperature or flow problems. The water coil is designed for low water-side pressure drop, eliminating potential pump sizing and water flow

problems. High efficiency compressors provide demonstrated reliability and low sound levels and cut energy costs.

## Fast and Easy Replacement

Because the WCS dimensions and construction details were established with retrofit projects in mind, replacement work is fast and easy. With the compact footprint and a cabinet height short enough to fit under window sills, the need for expensive room renovation, redecorating, or piping & wiring changes is eliminated. The WCS is the solution that gets your property back in service quickly and at the lowest total cost.

## Optional Chassis Only

These console units are offered as chassis-only to work with the existing or custom room cabinets

or with a new cabinet for a complete installation. The chassis contains the compressor, air side heat exchanger, water side heat exchanger, evaporator fan motor, and control and safety components.

## Options and Accessories

- Room cabinet (LH and RH available)
- Flow control valve
- Electric or hydronic heat
- Control options
- Valves and unions
- Line cords
- Boilerless
- Hose kits
- Customer-specified custom features
- Low temp option

## Performance Ratings

Model	Cool Btuh	Sens Btuh	EER	Heat Btuh	COP	CFM Hi/Lo	GPM	Coil PD	Refrigerant
WCS-08	7,800	6,000	14.0	9,200	4.4	300/250	2.0	1.2'	R-410A
WCS-10	10,600	8,000	13.6	12,100	4.6	395/330	2.5	1.8'	R-410A
WCS-12	11,500	9,400	12.4	14,000	4.3	400/350	3.0	2.5'	R-410A
WCS-15	14,700	10,700	13.8	16,100	4.3	475/400	3.8	4.6'	R-410A
WCS-18	17,800	13,700	13.1	21,000	4.4	540/420	4.5	3.3'	R-410A

Continuous engineering improvements may result in performance changes without notice.

## Unit Sizes

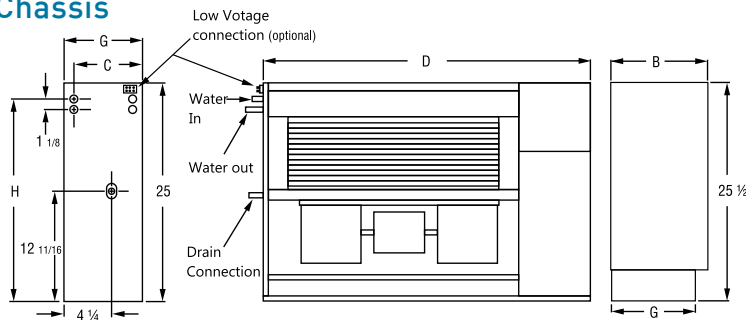
Model	A	B	C	D	E	F	G	H	Chassis Weight (lbs)
	Inches								
WCS-08	44 9/16	10 3/4	8 7/8	37 3/4	6 1/4	2 5/8	10 1/4	23 5/16	116
WCS-10	44 9/16	10 3/4	8 7/8	37 3/4	6 1/4	2 5/8	10 1/4	23 5/16	118
WCS-12	44 9/16	10 3/4	8 7/8	37 3/4	6 1/4	2 5/8	10 1/4	23 5/16	120
WCS-15	54 9/16	12 9/16	10 7/8	42 3/4	10 3/4	3 1/2	12 1/8	24	145
WCS-18	54 9/16	12 9/16	10 7/8	42 3/4	10 3/4	3 1/2	12 1/8	24	155

## NEMA Configurations Non Locking Plugs/Receptacles

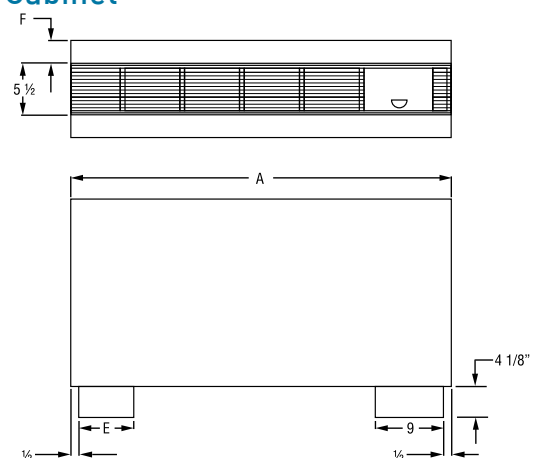
Voltage	125V	250V	277V
15A Recp.			
15A Plug			
20A Recp.			
20A Plug			
30A Recp.			
30A Plug			

277V Line cord N/A as factory installed

## Chassis



## Cabinet





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

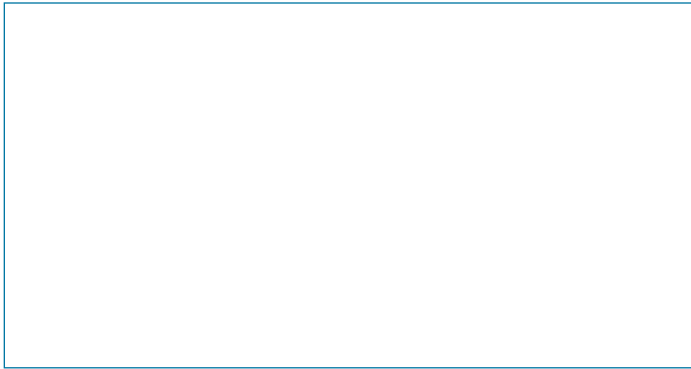
To learn more about how The Whalen Company can help you save time and money on your next project, contact your local Whalen representative, call **410-822-9200** to speak with one of our specialists, or e-mail your request to **sales@whalencompany.com**.

Additional technical resources, including dimensional drawings and Revit models, are available on our website at **www.whalencompany.com**.

**Our Mission:**

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

**Your Whalen Representative:**



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