

# Whisperline® WCS 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.

The extensive list of unit features includes:

- 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® CONSOLE APPLICATION & BENEFITS

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 freezestat 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:

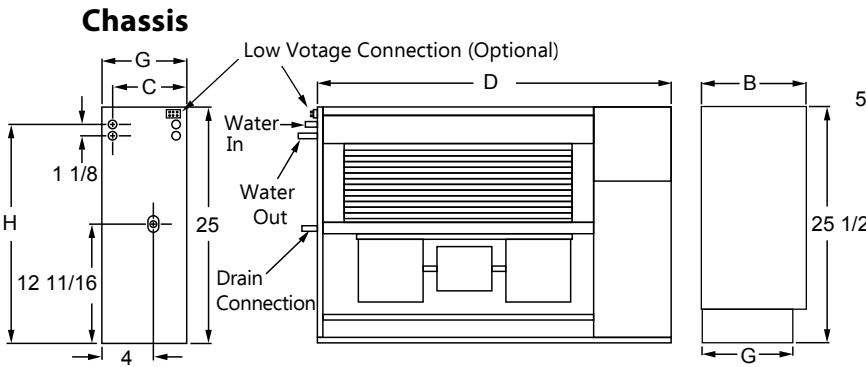
These console units are offered as chassis-only to work with the existing or custom room cabinets or with a new cabinet for a complete installation. The chassis contains the compressor, air side heat exchanger, water side heat exchanger, evaporator fan motor, and control and safety components.



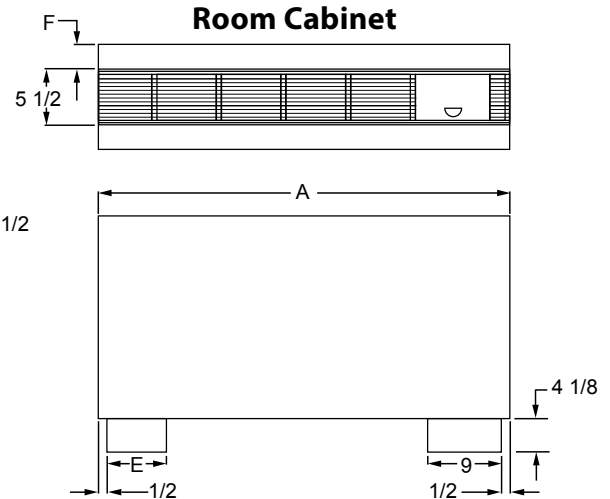
# Whisperline® Console

## WCS Dimensions

Model	A	B	C	D	E	F	G	H	Water In-Out	Drain	Chassis Weight (lbs.)
WCS-08	44 9/16	10 3/4	8 7/8	37	6	2 5/8	10	23 5/16	5/8" O.D.	3/4" O.D.	120
WCS-10, 12											176
WCS-15, 18	54 9/16	12 9/16	10 7/8	42	10	3	12 1/8	24			151



Left hand dimensional detail is shown. Hand determined by piping and wiring connection location.  
Chassis is field-adaptable to LH or RH connections.



## WCS Series Electrical Ratings<sup>1</sup>

Model	Comp	Voltage/ HZ/Ph	Fan Amps	Fan HP	Compressor		Total Amps.	CKT Ampacity	Max. Fuse
					RLA	LRA			
WCS-08	Rotary	115/60/1	1.2	1/10	6.1	39.1	7.3	9.0	15
WCS-08	Rotary	208-230/60/1	0.4	1/10	3.0	15.0	3.4	5.0	15
WCS-08	Rotary	265/60/1	0.4	1/10	2.7	11.0	3.1	4.0	15
WCS-10	Rotary	115/60/1	1.2	1/10	7.8	50.0	9.0	11.0	15
WCS-10	Rotary	208-230/60/1	0.4	1/10	4.4	22.0	4.8	6.0	15
WCS-10	Rotary	265/60/1	0.4	1/10	3.4	21.0	3.7	5.0	15
WCS-12	Rotary	115/60/1	1.2	1/10	9.5	50.0	10.7	14.0	20
WCS-12	Rotary	208-230/60/1	0.4	1/10	4.7	25.0	5.1	7.0	15
WCS-12	Rotary	265/60/1	0.4	1/10	4.2	22.0	4.6	6.0	15
WCS-15	Rotary	208-230/60/1	0.6	1/10	5.6	29.0	6.2	8.0	15
WCS-15	Rotary	265/60/1	0.6	1/10	5.0	28.0	5.6	7.0	15
WCS-18	Rotary	208-230/60/1	0.6	1/10	7.4	33.0	8.0	10.0	15
WCS-18	Rotary	265/60/1	0.6	1/10	6.0	28.0	6.6	9.0	15

IMPORTANT: Chassis must replace a unit of like capacity to ensure proper power supply.

(1) If optional electric heat is selected see Electric Heat Ratings Table: Total Amps, Ampacity & Fuse is the larger Value.

## WCS Series Performance Ratings

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

## Electric Heat Ratings\* (Boilerless)

Heater No.	Volt	Watts	BTU/h	HTR Amps	Total Amps	Min CKT Amps	Max. Fuse
WCS-08	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
WCS-12	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