

# HZS Series

The HZS Indoor Split Geothermal Heat Pump delivers the ULTIMATE in efficiency (25.6 EER and 4.3 COP\*), comfort, reliability and serviceability—intelligently driven by the iGate™, the industry's first two-way communicating control, two-stage compressor, and industry-first vFlow™ internal variable water flow components. The HZS Splits deliver reliable operation, lower operating costs and compact installation.

The HZS Indoor Split Series easily connects to new or existing fossil fuel and electric furnaces. Ideal for remote applications with a second floor or crawl spaces.



## FEATURES

- Exclusive iGate™ uses the power of 2-way communication to monitor, control and diagnose your system. It improves system life by monitoring and protecting the unit and delivers high efficiency by intelligently controlling the unit
- Optional vFlow™ Variable Water Flow with Variable-Speed Internal Flow Center or Internal Modulating Valve for optimized efficiency, reliability and quicker, easier, cleaner installation
- Next generation Copeland™ Ultra-Tech™ Two-Stage Scroll Compressor with dual-level isolation for ultra-quiet and high-efficiency operation
- Two-Section Swing-out/Drop-Out Control Box design provides wide-open service access
- Water Schrader Ports located on corner post to easily read pressure drop across water heat exchanger for easy troubleshooting
- Backseating Brass Service Valves with Service Port Brass
- Three Easy Lift-out Service Access Panels with Stainless Steel Front Panels

*Comfort-Cire*®

## GEOTHERMAL SPLIT SERIES

*2 to 6 Tons*

*Energy Efficient Heating & Cooling for Commercial Applications*



## SPECIFICATIONS

### *Application Flexibility*

- Four Capacities 024, 036, 048, and 060
- Entering water temperature operation range 20–120°F
- iGate™ – Monitor, control and diagnose digitally from the thermostat
- vFlow™ – Connect geo source directly to the loop
- Ground loop and water loop applications
- AHRI matched and rated with MWG and WDG products
- Can be used as a total electric heat pump or add on heat pump with fossil fuel backup

## HZS ISO Ratings

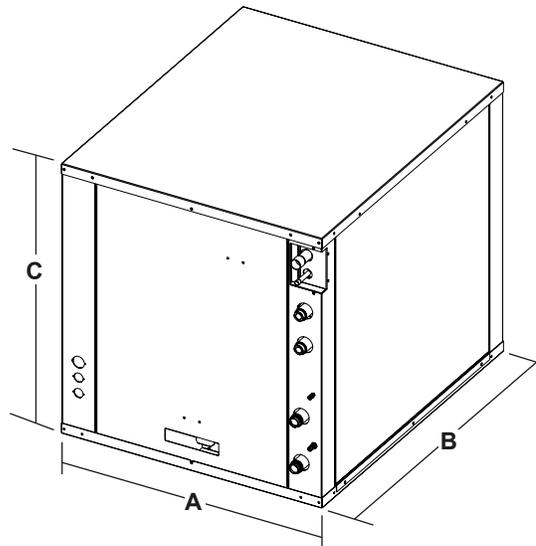
### AHRI/ISO/ASHRAE 13256-1 Data (English (IP) Units)

Model	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling		Heating		Cooling		Heating		Cooling		Heating	
	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
*HZS024 Part	18,000	16.4	23,200	5.7	20,400	27.8	18,700	4.8	20,300	24.0	15,300	4.0
*HZS024 Full	23,200	14.9	29,200	4.9	25,600	22.4	24,900	4.5	24,700	17.7	18,800	3.6
**HZS024 Part	19,200	18.3	20,700	5.6	21,500	30.9	17,700	4.9	20,700	25.6	15,500	4.3
**HZS024 Full	25,000	16.1	25,300	4.7	27,300	24.0	22,800	4.4	25,800	18.3	18,700	3.8
HZS036 Part	26,000	17.3	28,300	5.7	28,800	29.7	23,700	4.8	27,900	24.7	21,000	4.3
HZS036 Full	37,000	16.1	37,800	4.9	40,500	23.4	32,700	4.5	37,700	17.8	26,200	3.8
HZS048 Part	35,800	16.5	42,000	5.4	40,700	29.4	34,300	4.6	39,100	23.8	29,600	4.0
HZS048 Full	46,900	15.0	56,000	4.7	52,800	23.0	45,900	4.2	48,700	16.9	35,900	3.5
HZS060 Part	43,400	15.8	52,000	5.2	48,100	26.0	41,700	4.3	45,500	21.7	35,900	3.8
HZS060 Full	56,800	14.0	67,300	4.4	62,400	20.3	56,600	4.0	57,300	15.5	44,300	3.4

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.  
 Heating capacities based upon 68°F DB, 59°F WB entering air temperature  
 Ground Loop Heat Pump ratings based on 15% methanol antifreeze solution  
 All ratings based upon operation at lower voltage of dual voltage rated models  
 \*w/17" wide coil  
 \*\*w/21" wide coil

## Dimensional Data

Capacity		Cabinet		
		A Width	B Depth	C Height
HZS024	in	22.4	25.6	24.3
	cm	56.9	65.0	61.7
HZS036	in	25.4	30.6	26.3
	cm	64.5	77.7	66.8
HZS048	in	25.4	30.6	26.3
	cm	64.5	77.7	66.8
HZS060	in	25.4	30.6	26.3
	cm	64.5	77.7	66.8



Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product before beginning any installation preparations. All products meet applicable regulations in effect on date of manufacture; however, certifications aren't necessarily granted for life of the product. It is the responsibility of the applicant to determine whether a specific model qualifies for third party incentive/rebate programs (Federal, state, utilities, etc.).

"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."