

WDG Series

The WDG Air Handler Series has among the highest efficiency ratings of any geothermal split system in the industry when matched with Comfort-Aire/Century Indoor units. WDG Air Handlers are specifically designed and matched for use with HZS Indoor geothermal split units.

WDG Air Handlers are available in vertical upflow or downflow, and horizontal left or horizontal right airflow. Designed for new or retrofit geothermal installations/applications, ideal for remote applications like a 2nd floor, crawl spaces, and attics.

ADVANTAGE OF THE WDG AIR HANDLER SERIES

- iGate® communicating controls continuously monitors and controls the system for reliability and long life
- Variable speed ECM fan motor adapts to various duct systems
- Condensate over-flow protection
- 230v and 115v field convertible
- Fully field-convertible for vertical upflow, downflow, horizontal left and horizontal right airflow
- Less than 2% air leakage
- EarthPure® HFC-410A zero ozone depletion refrigerant
- Four Capacities: 024, 036, 048 & 060
- Corrosive resistant aluminum air coil
- AHRI matched and rated with HZS Split Systems
- Dehumidification mode for high latent cooling (when matched with 7602-457 thermostat)
- Three cabinet foot prints: 024 - 18.5" wide, 024-048 - 22.5" wide, & 036-060 - 25.5" wide
- Ideal for remote applications like a 2nd floor, crawl spaces, and attics
- Internal electric heat for easy field installation
- Large low RPM blowers with variable speed fan motors provide quiet, efficient air movement with high static capability
- Exceeds ASHRAE 90.1 and ENERGY STAR® 3.0 efficiencies*
- Highest efficiencies in AHRI/ISO/ASHRAE/ANSI 13256-1 ratings for heating COP's, cooling EER's with low water flow rates when matched with HZS models

Comfort-Aire®

AIR HANDLER FOR WATER SOURCE SPLIT SYSTEMS

2 to 5 Tons

Energy Efficient Heating & Cooling



TESTED TO ASHRAE/AHRI/ISO 13256-1 ENGLISH 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
*WDG024 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
*WDG024 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
**WDG024 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
**WDG024 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
WDG036 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
WDG036 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
WDG048 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
WDG048 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
WDG060 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
WDG060 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 - Size		Air Handler		
		Width	Depth	Height
WDG024A	in	18.5	22.0	44.0
	cm	47.0	55.9	111.8
WDG024B	in	22.5	22.0	55.0
	cm	55.9	55.9	111.8
WDG036B	in	22.5	22.0	55.0
	cm	55.9	55.9	111.8
WDG036C	in	25.5	22.0	59.0
	cm	55.9	55.9	111.8
WDG048B	in	22.5	22.0	55.0
	cm	55.9	55.9	111.8
WDG048C	in	25.5	22.0	59.0
	cm	64.8	55.9	111.8
WDG060C	in	25.5	22.0	59.0
	cm	64.8	55.9	111.8

OPTIONS

	Standard	Factory Option	Dealer Option
EarthPure® HFC-410A Refrigerant	✓		
Thermal Expansion Valve	✓		
4-Way Convertible	✓		
Internal Electric Heat for Easy Field Installation			✓
Powder Coat Paint	✓		
Extended 5-Year Labor Allowance		✓	
Digital Multi-Stage Thermostat			✓
Digital Programmable Thermostat			✓

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 prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.

"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."