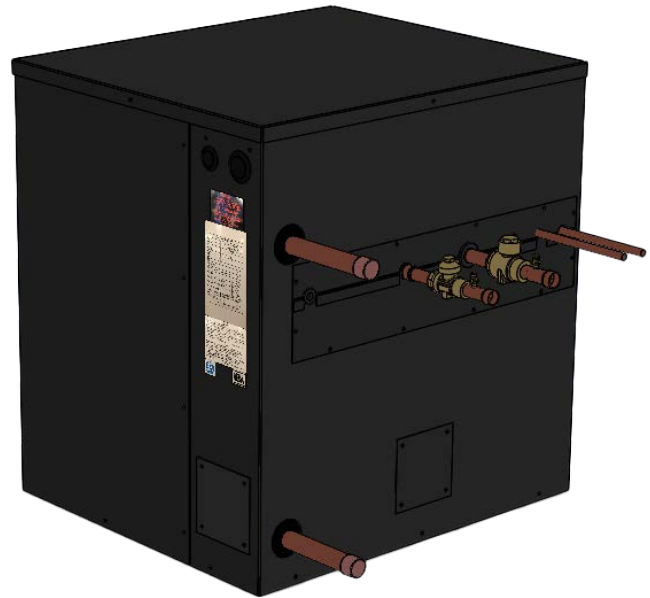
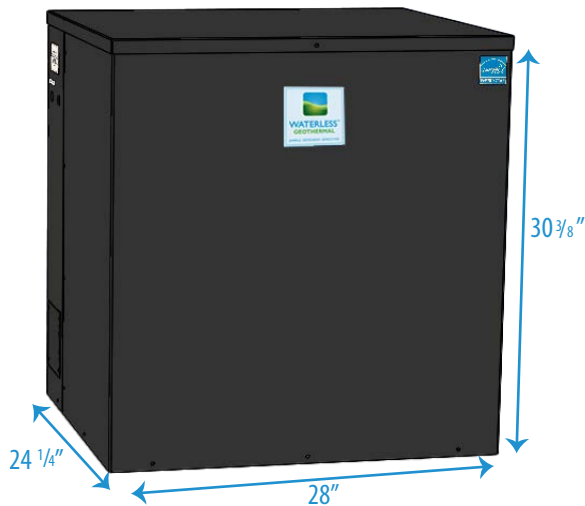


PERFORMANCE & SPECIFICATIONS

H SERIES: SINGLE STAGE



Standard Features

- ✓ Closed Loop Geothermal Heat Pump
- ✓ Refrigerant-Based Copper Ground Loop
- ✓ 1 Stage Hydronic Htg & A/C (Heated & Chilled Water)
- ✓ Eco-Friendly R-410A Refrigerant
- ✓ Copeland Scroll Compressor
- ✓ Stainless Steel Double Wall Plate Heat Exchanger
- ✓ Compressor Protection Sensor
- ✓ Unlimited Zoning Capabilities
- ✓ Smart Logic Controller
- ✓ Passive Ground Loop Protection

Performance

- ✓ Accommodates ECM Hydronic Air Handler
- ✓ Simplified Refrigerant Circuit

Standard Upgrades

- ✓ Powder Coated Weather Resistant Steel Cabinet
- ✓ Quiet Performance
 - Noise Reduction Muffler
 - Fully Insulated Cabinet
 - Soft Mount Compressor Base

Optional Accessories

- ✓ Total Comfort Remote Monitoring & Diagnostic System
- ✓ Soft Start Device
- ✓ Desuperheater: Supplemental Domestic Hot Water
- ✓ Impressed Current Ground Loop Protection

Limited Warranty

- ✓ 5/2 ENERGY STAR Warranty
- 5 Yr. Major Parts Warranty
- 2 Yr. Limited Labor Warranty

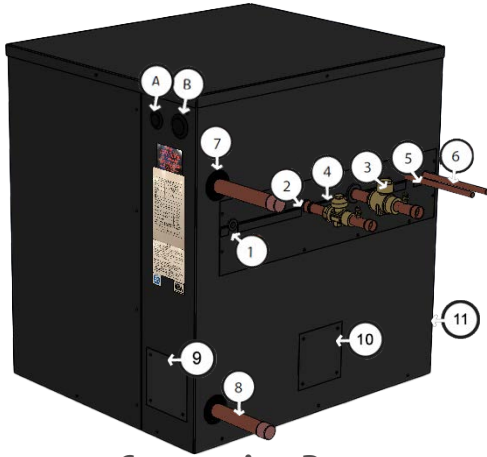
FREE Warranty Upgrade

- ✓ Free 5yr Major & Minor Parts Warranty Upgrade on Refrigerant Circuit when Registered



Truly the Simplest DX Geothermal Design.

H SERIES: SINGLE STAGE



Connection Data

PORT	FUNCTION	CONNECTION (All Pipe Sizing Given In OD)	
A	ELECTRICAL	7/8" HOLE	
B	ELECTRICAL	1-1/4" HOLE	
		3 TON UNIT ONLY	3.5 THRU 5.5 TON UNITS ONLY
1	N/A	PLUGGED	PLUGGED
2	EARTH LOOP LIQUID SERVICE VALVE	3/8"	1/2"
3	EARTH LOOP VAPOR SERVICE VALVE	3/4"	7/8" to 5 TON 1 1/8" 5.5 TON
4	N/A	PLUGGED	PLUGGED
5	(OPT.) DESUPERHEATER OUT	1/2"	
6	N/A	1/2"	
7	HX OUT	1 1/8"	
8	(OPT.) DESUPERHEATER IN	1 1/8"	
9, 10 and 11	(OPT.) VENTS	See Leak Mitigation Manual for Details on Venting	

LEGEND: AH = Air Handler HWM = Hydronic Water Module DWT = Domestic Water Tank CC = Cased Coil DSH = Desuperheater HWT = Hydronic Water Tank
¹ Nominal electrical connector sizes ² Two additional electrical control ports on opposite side, same size ³ Copper Fitting Adapters for Linesets ship with compressor unit

Lineset Size - Liquid Line*	Braze, OD	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
Lineset Size - Vapor Line*	Braze, OD	3/4"	7/8"	7/8"	7/8"	7/8"	1-1/8"	1-1/8"

*Maximum Equivalent Length of Lineset is 125ft (Distance from Ground Loop Manifold to Air Handler) *Use Long Radius Refrigeration Grade Elbows Only

Electrical Data

TONAGE	UNIT MODEL	SINGLE PHASE	LRA	RLA	MCA	MFS
3 TON	WG1H-36D1	230V - 60HZ	123	19.3	21.6	35
3.5 TON	WG1H-42D1	230V - 60HZ	126	25.0	28.0	40
4 TON	WG1H-48D1	230V - 60HZ	143	24.3	27.3	40
4.5 TON	WG1H-54D1	230V - 60HZ	155	28.6	32.0	45
5 TON	WG1H-60D1	230V - 60HZ	170	33.6	37.6	50
5.5 TON	WG1H-66D1	230V - 60HZ	183.9	36.6	41.0	55

KEY: LRA = Locked Rotor Amps RLA = Rated Load Amps
MCA = Minimum Circuit Ampacity MFS = Maximum Fuse Size or HACR Circuit Breaker Size

Performance Data

Size	Unit Model	Heating			Cooling		
		Design Capacity	(AHRI Certified) ² Maximum Capacity	COP	Design Capacity	(AHRI Certified) ² Maximum Capacity	EER
3 ton	WG1H-36D1	36,000	36,000	3.1	36,000	36,000	19.1
3.5 ton	WG1H-42D1	42,000	42,000	3.1	42,000	42,000	19.1
4 ton	WG1H-48D1	48,000	48,000	3.1	48,000	48,000	19.1
4.5 ton	WG1H-54D1	54,000	54,000	3.1	54,000	54,000	19.1
5 ton	WG1H-60D1	60,000	60,000	3.1	60,000	60,000	19.1
5.5 ton	WG1H-66D1	66,000	66,000	3.1	66,000	66,000	19.1

Note: Not to be used for equipment sizing, please refer to equipment selection & sizing guide

LEGEND: ¹ Design Capacities are meant to be used for sizing or designing equipment
² AHRI certified capacities are based on 870 Standard. AHRI Certified Capacities are NOT meant to be used for sizing or designing equipment

Specification is subject to change without Notice due to our continued commitment to quality. Please Refer to the Compressor Data label for current electrical data.