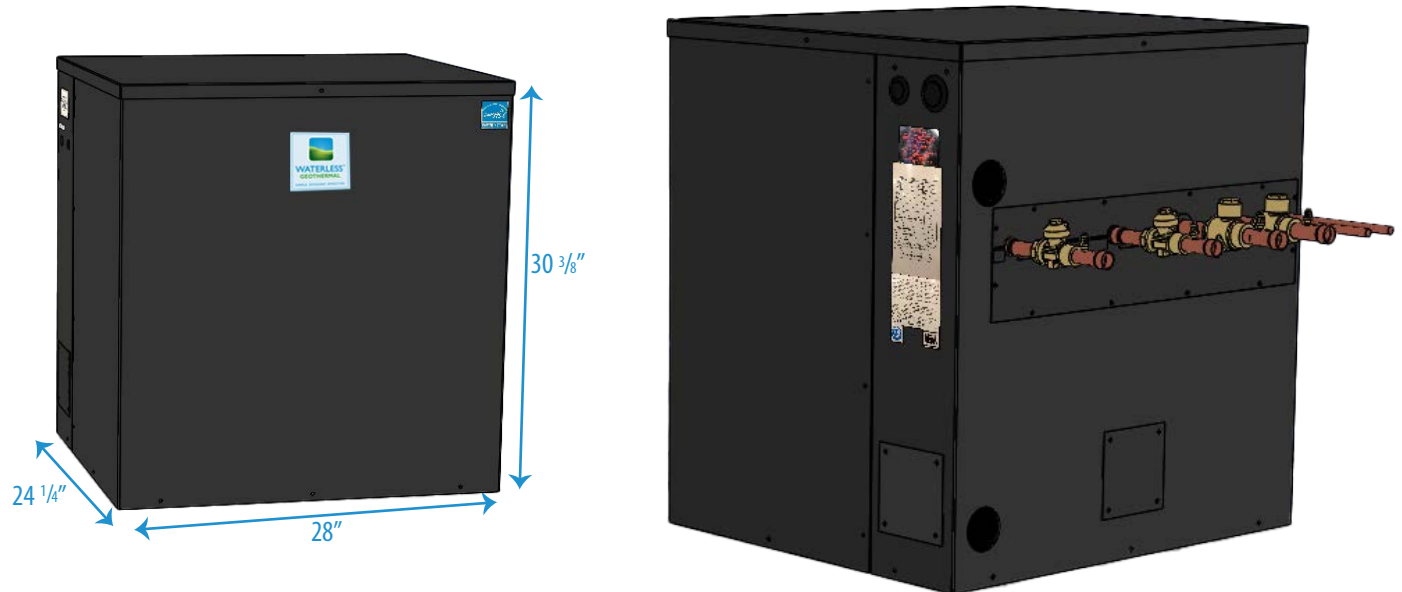


# PERFORMANCE & SPECIFICATIONS

## A SERIES: SINGLE STAGE



### Standard Features

- ✓ Closed Loop Geothermal Heat Pump
- ✓ Refrigerant-Based Copper Ground Loop
- ✓ 1 Stage Forced Air DX Htg & A/C
- ✓ Eco-Friendly R-454B Refrigerant
- ✓ Copeland Scroll Compressor
- ✓ Compressor Protection Sensor
- ✓ Analog Electrical Controls
- ✓ Passive Earth Loop Protection
- ✓ Refrigerant Leak Detection System

### Performance

- ✓ Accommodates ECM Fixed or ECM Variable Speed DX 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

- ✓ Soft Start Device
- ✓ Desuperheater: Supplemental Domestic Hot Water
- ✓ Impressed Current Earth Loop Protection

### Limited Warranty

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

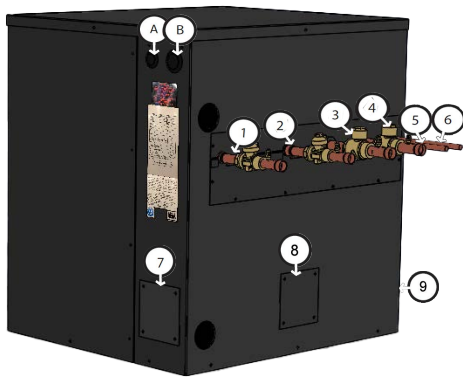
### FREE Warranty Upgrade

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



Truly the Simplest DX Geothermal Design.

## A SERIES: SINGLE STAGE



## Electrical Data

TONAGE	UNIT MODEL	SINGLE PHASE	LRA	RLA	MCA	MFS
2 TON	WG1A-24D1	230V - 60HZ	75.6	14.1	15.9	25
2.5 TON	WG1A-30D1	230V - 60HZ	93.5	18.6	20.9	30
3 TON	WG1A-36D1	230V - 60HZ	123	19.3	21.6	35
3.5 TON	WG1A-42D1	230V - 60HZ	126	25.0	28.0	40
4 TON	WG1A-48D1	230V - 60HZ	143	24.3	27.3	40
4.5 TON	WG1A-54D1	230V - 60HZ	155	28.6	32.0	45
5 TON	WG1A-60D1	230V - 60HZ	170	33.6	37.6	50

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

## Connection Data

PORT	FUNCTION	CONNECTION (All Pipe Sizing Given In OD)	
A	ELECTRICAL	7/8" HOLE	
B	ELECTRICAL	1-1/4" HOLE	
		2 THRU 3 TON UNITS ONLY	3.5 THRU 5 TON UNITS ONLY
1	AH/CC LIQUID SERVICE VALVE	3/8"	1/2"
2	EARTH LOOP LIQUID SERVICE VALVE	3/8"	1/2"
3	EARTH LOOP VAPOR SERVICE VALVE	3/4"	7/8"
4	AH/CC VAPOR SERVICE VALVE	3/4"	7/8"
5	(OPT.) DESUPERHEATER OUT	1/2"	
6	(OPT.) DESUPERHEATER IN	1/2"	
7, 8, and 9	(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  
<sup>1</sup> Nominal electrical connector sizes <sup>2</sup> Two additional electrical control ports on opposite side, same size <sup>3</sup> Copper Fitting Adapters for Linesets ship with compressor unit

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

## Performance Data

Size	Unit Model	Heating			Cooling		
		Design Capacity	(AHRI Certified) <sup>o</sup> Maximum Capacity	COP	Design Capacity	(AHRI Certified) <sup>o</sup> Maximum Capacity	EER
2 ton	WG1A-24D1	24,000	24,000	3.9	24,000	24,000	19.1
2.5 ton	WG1A-30D1	30,000	31,600	3.9	30,000	31,600	20.1
3 ton	WG1A-36D1	36,000	36,000	3.9	36,000	36,000	22.0
3.5 ton	WG1A-42D1	42,000	44,000	3.9	42,000	44,000	19.1
4 ton	WG1A-48D1	48,000	51,500	4.1	48,000	51,500	21.0
4.5 ton	WG1A-54D1	54,000	56,000	3.8	54,000	56,000	19.1
5 ton	WG1A-60D1	60,000	61,500	4.0	60,000	61,500	19.1

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

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

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