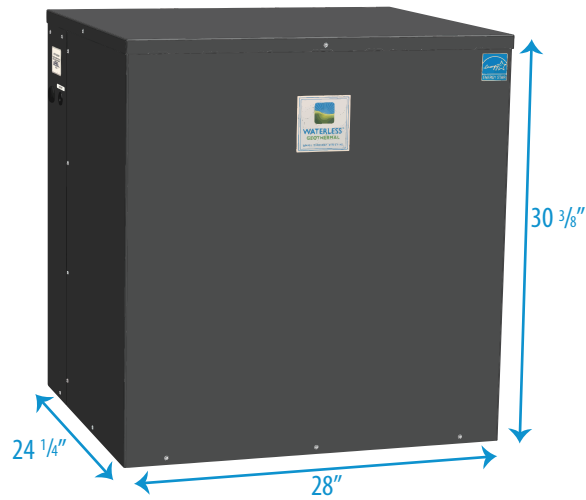


PERFORMANCE & SPECIFICATIONS

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-410A Refrigerant
- ✓ Copeland Scroll Compressor
- ✓ Compressor Protection Sensor
- ✓ Analog Electrical Controls
- ✓ Passive Earth Loop Protection

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

- ✓ Total Comfort Remote Monitoring & Diagnostic System
- ✓ 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

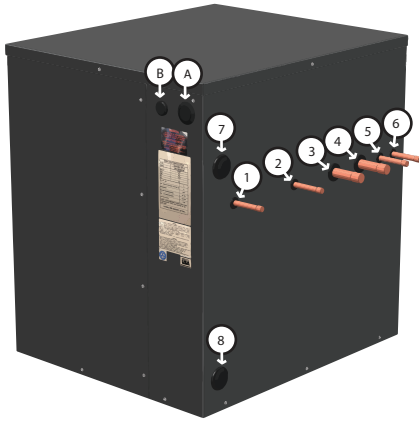
FREE Warranty Upgrade

- ✓ 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-24C1	230V - 60HZ	64	12.8	16	25
2.5 TON	WG1A-30C1	230V - 60HZ	79	16.7	20.9	30
3 TON	WG1A-36C1	230V - 60HZ	112	17.9	22.4	35
3.5 TON	WG1A-42C1	230V - 60HZ	117	21.8	27.3	40
4 TON	WG1A-48C1	230V - 60HZ	134	25	31.3	45
4.5 TON	WG1A-54C1	230V - 60HZ	178	28.3	35.4	50
5 TON	WG1A-60C1	230V - 60HZ	178	30.8	38.5	55
5.5 TON	WG1A-66C1	230V - 60HZ	185	36.9	46.1	65

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	TYPE OF CONNECTION	PIPE SIZE								
			24	30	36	42	48	54	60	66	
A ¹	Electrical, Power	1-1/4" Hole	1"	1"	1"	1"	1"	1"	1"	1"	1"
B ^{1,2}	Electrical, Control	7/8" Hole	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
1	AH/CC Liquid	Braze, OD	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
2	Earth Loop Liquid	Braze, OD	3/8"	3/8"	3/8"	1/2"	1/2"	1/2"	1/2"	1/2"	1/2"
3	Earth Loop Vapor	Braze, OD	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
4	AH/CC Vapor	Braze, OD	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"	7/8"	7/8"	7/8"
5	DSH Waterline Out	Sweat, ID	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
6	DSH Waterline In	Sweat, ID	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"	3/8"
7	Plugged	-	-	-	-	-	-	-	-	-	-
8	Plugged	-	-	-	-	-	-	-	-	-	-

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"	3/8"	3/8"	1/2"	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"	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) ² Maximum Capacity	COP	Design Capacity	(AHRI Certified) ² Maximum Capacity	EER
2 ton	WG1A-24C1	24,000	25,400	3.9	24,000	25,400	19.1
2.5 ton	WG1A-30C1	30,000	31,600	3.9	30,000	31,600	20.1
3 ton	WG1A-36C1	36,000	38,000	3.9	36,000	38,000	19.1
3.5 ton	WG1A-42C1	42,000	44,000	3.9	42,000	44,000	19.1
4 ton	WG1A-48C1	48,000	51,500	4.0	48,000	51,500	19.8
4.5 ton	WG1A-54C1	54,000	56,000	3.8	54,000	56,000	19.1
5 ton	WG1A-60C1	60,000	61,500	3.6	60,000	61,500	19.1
5.5 ton	WG1A-66C1	66,000	66,000	3.6	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 are subject to change without Notice due to our continued commitment to quality. Please Refer to the Compressor Data label for current electrical data.