

## **Ground Source Heat Pump Systems**

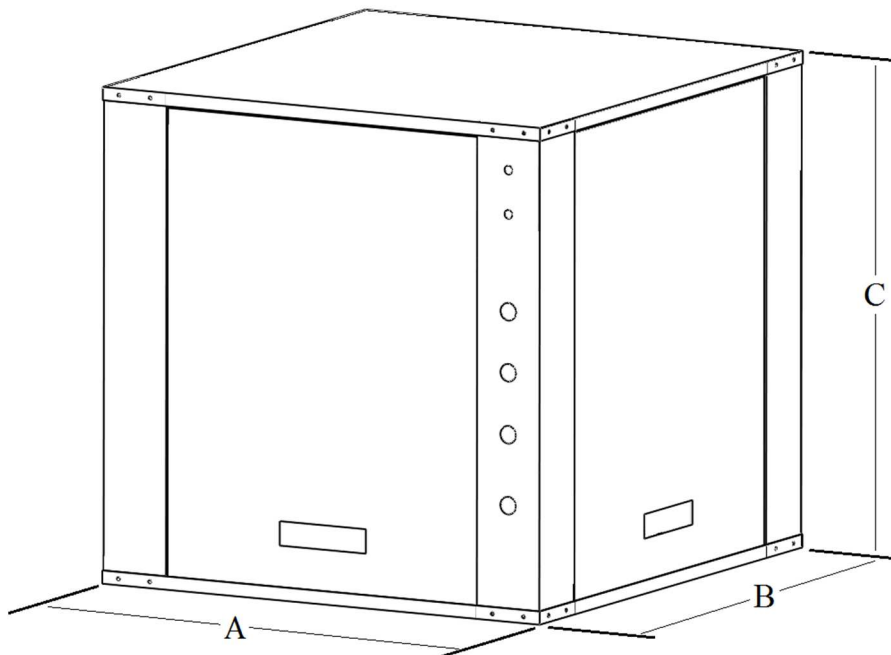
### **Water to Water Geothermal Heat Pumps - Heating and Cooling**

Packaged geothermal system for providing hot or cold water.

- i6 digital control with display for error and operating modes
- Optional outdoor temperature reset for up to 30% higher efficiency.
- Optional internet communications
- Optional domestic hot water/hydronic or booster (desuperheater)
- Scroll compressor with R410A
- Insulated attractive white cabinet
- Full 360° service access
- Optional split system available
- 3 phase, custom voltages and alternate refrigerants available

### Physical Properties

Model	W2W36-1	W2W52-1	W2W60-1	W2W72-1	W2W84-1	W2W72-3	W2W84-3
Factory Charge R410A (oz) <sup>1</sup>	48	54	60	90	90	90	90
LOAD water - copper male sweat (in)	1	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
SOURCE water - copper male sweat (in)	1	1	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
Desuperheater - copper male sweat (in) <sup>2</sup>	½	½	½	½	½	½	½
Cabinet Dimensions (A x B x C) (in)	28 x 34 x 24	28 x 34 x 24	28 x 34 x 24	28 x 34 x 24	28 x 34 x 24	28 x 34 x 24	28 x 34 x 24
Electrical Voltage /PH	230/60/1	230/60/1	230/60/1	230/60/1	230/60/1	230/60/3	230/60/3
R.L.A.	16.7	25	28.3	32.1	32.1	23	25
L.R.A.	79	134	178	148	185	164	164
MAX fuse size	40	50	60	60	60	50	50
Min. circuit Ampacity	21	31	36	40	40	31	31
Weight – Operating, (lbs)	146	180	200	230	250	230	250
Weight – Packaged, (lbs)	155	195	220	250	270	250	270





## GEOThermal HEAT PUMPS

Performance Data													
Model	Flow gpm	Closed Water Loop				Open Water Loop				Closed Ground Loop			
		Cooling (30C/86F)		Heating (20C/68F)		Cooling (15C/59F)		Heating (10C/50F)		Cooling (25C/77F)		Heating (0C/32F)	
		Capacity	EER	Capacity	cop	Capacity	EER	Capacity	cop	Capacity	EER	Capacity	cop
W2W36-S	9	29,500	14	42,000	4.8	33,000	24	29,000	3.9	30,500	17	28,000	3.1
W2W52-S	13.5	42,000	14	59,000	4.4	46,500	22	49,000	3.7	43,500	16	40,000	3.1
W2W60-S	15	48,000	14	68,000	4.5	51,500	21	55,000	3.7	49,000	16	43,000	3.1
W2W72-S	18	57,000	14	81,000	4.5	61,500	21	65,500	3.7	58,500	16	52,000	3.1
W2W84-S	21	66,000	14	94,000	4.5	71,500	21	76,000	3.7	68,000	16	60,500	3.1
W2W36-T	9	28,500	13	41,500	4.3	31,500	20	34,000	3.6	29,500	16	28,000	3.1
part load		21,500	14	32,000	4.6	24,000	21	25,000	3.6	23,000	19	22,500	3.2
W2W72-T	15	56,500	13	82,000	4.4	62,000	20	66,500	3.5	59,000	16	53,500	3.1
part load		45,000	14	65,500	4.6	49,500	21	53,000	3.5	48,500	18	46,500	3.1
W2W54-V	14	44,000	14	61,000	4.5	48,500	22	51,000	3.8	46,000	16	42,000	3.2

-S for single-stage, -T for two-stage and -V for variable speed compressor