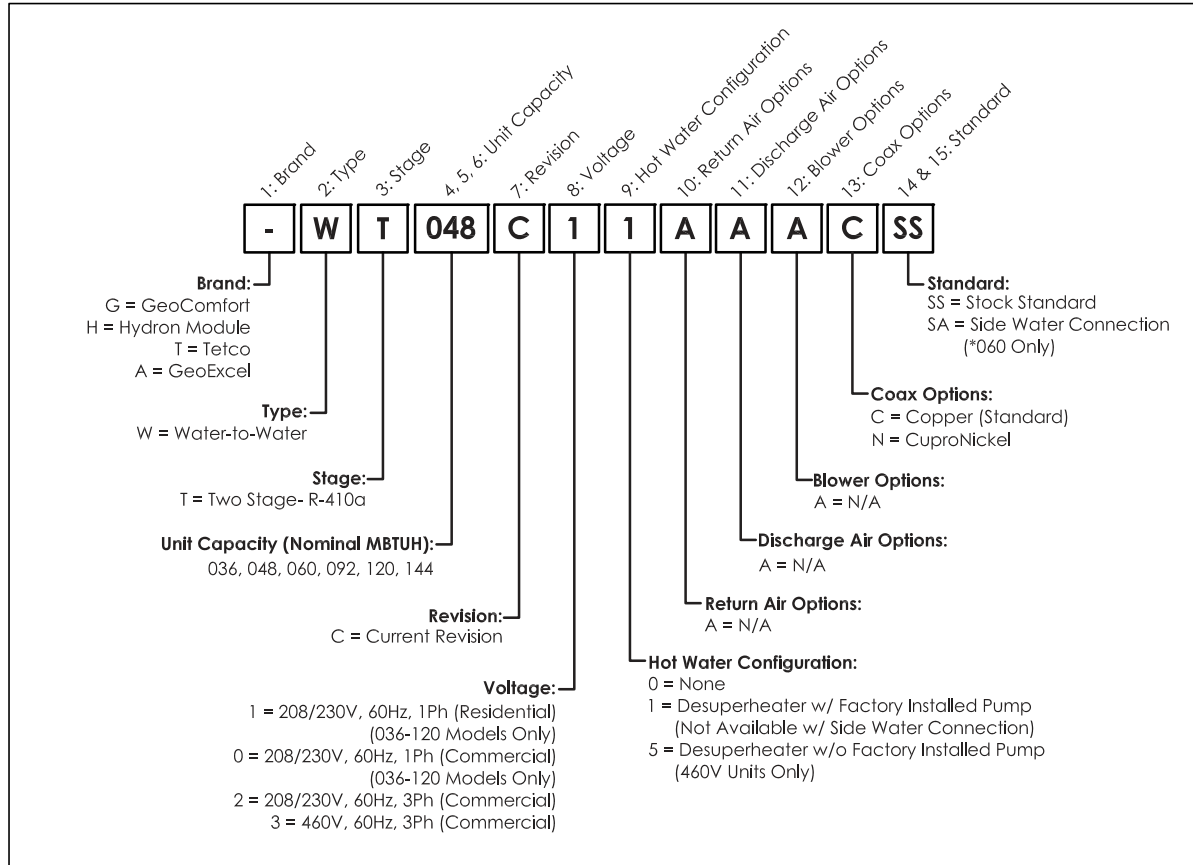


ENGINEERING SPECIFICATIONS:

MODEL NOMENCLATURE DECODER:



AHRI PERFORMANCE DATA:

MODEL	TYPE	F/L COOL	F/L EER	F/L HEAT	F/L COP	P/L COOL	P/L EER	P/L HEAT	P/L COP
WT036	GW	44,300	20.6	44,900	3.6	34,600	24.5	33,300	3.5
	GL	42,000	16.0	36,400	3.0	33,300	20.6	29,200	3.1
WT048	GW	54,300	19.8	55,100	3.6	40,800	23.0	40,500	3.4
	GL	49,400	15.1	44,100	3.0	38,800	19.2	35,700	3.1
WT060	GW	62,700	19.0	66,200	3.6	47,800	21.4	49,500	3.5
	GL	57,800	14.6	53,200	3.0	46,100	18.1	44,400	3.1
WT092	GW	107,100	19.8	117,000	3.8	78,500	22.2	82,300	3.5
	GL	100,200	15.2	92,400	3.1	75,700	18.6	75,700	3.1
WT120	GW	124,400	20.1	124,900	3.5	NA	NA	NA	NA
	GL	114,800	15.4	97,400	2.8	NA	NA	NA	NA
WT144	GW	134,000	17.2	140,800	3.3	NA	NA	NA	NA
	GL	124,500	13.5	109,400	2.7	NA	NA	NA	NA

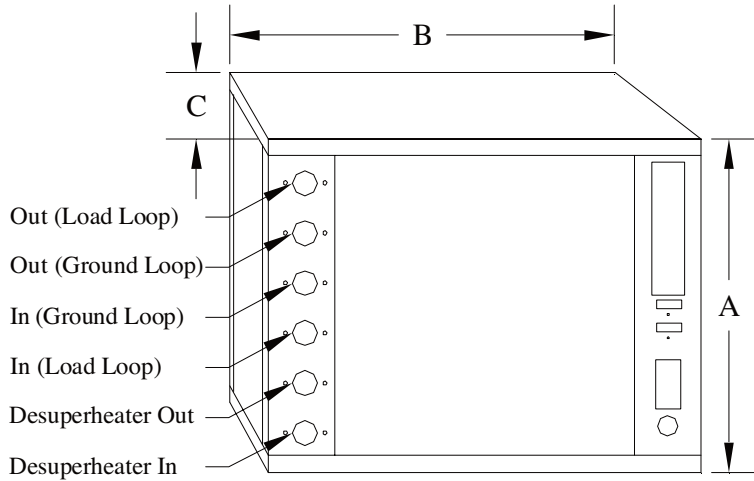
Ground Loop (GL) Notes:
 Rated in accordance with ISO Standard 13256-2 which includes Pump Penalties.
 Heating capacities based on 32°F EST & 104°F ELT.
 Cooling capacities based on 77°F EST & 53.6°F ELT.
 Entering load temperature over 120°F heating and under 45°F Cooling is not permissible.
 Floor heating is most generally designed for 85°F entering load temperature.

Ground Water (GW) Notes:
 Rated in accordance with ISO Standard 13256-2 which includes Pump Penalties.
 Heating capacities based on 50°F EST & 104°F ELT.
 Cooling capacities based on 59°F EST & 53.6°F ELT.
 Entering load temperature over 120°F heating and under 45°F Cooling is not permissible.
 Floor heating is most generally designed for 85°F entering load temperature.

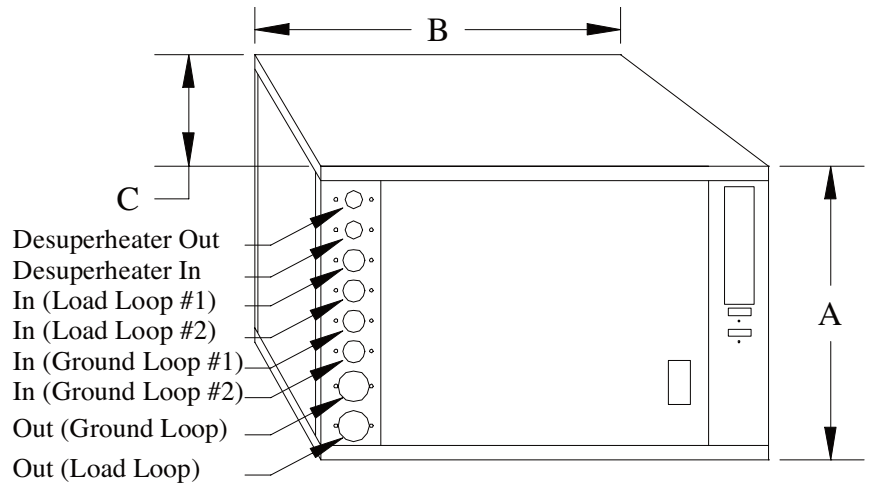
Notice:*Model 144 is available in 3-Phase Only and is outside the scope of the ENERGY STAR program and AHRI listing.

ENGINEERING SPECIFICATIONS:

UNIT DIMENSIONAL DATA, SINGLE COMPRESSOR:



UNIT DIMENSIONAL DATA, DUAL COMPRESSOR:



Single Compressor Units

Model	Dimensional Data			Source Loop**		Load Loop	
	A	B	C	IN	OUT	IN	OUT
036	24	26	34	1"	1"	1"	1"
048	24	26	34	1"	1"	1"	1"
060	24	26	36	1"	1"	1"	1"

Dual Compressor Units

Model	Dimensional Data			Ground Loop		Load Loop	
	A	B	C	IN*	OUT	IN*	OUT
092	24	30	48	1"	1.25"	1"	1.25"
120	24	30	48	1"	1.5"	1"	1.5"
144	24	30	48	1"	1.5"	1"	1.5"

* There are two "IN" connections, but only one "Out" connection

** GeoComfort residential models only - 1" double o-ring fittings

ENGINEERING SPECIFICATIONS:

SINGLE COMPRESSOR UNIT ELECTRICAL DATA:

Model	Voltage Code/ HWG Option	60 Hz Power		Compressor		HWG Pump FLA	Ext. Loop Pump FLA	Total Unit FLA	Min Circuit AMPS	Max Fuse HACR	Min AWG	Max Ft
		Volts	Phase	LRA	RLA							
WT036	00	208/230	1	104.0	21.2	0.0	0.0	21.2	26.5	45	10	78
	01	208/230	1	104.0	21.2	0.5	0.0	21.7	27.0	45	10	76
	10	208/230	1	104.0	21.2	0.0	4.0	25.2	30.5	50	8	101
	11	208/230	1	104.0	21.2	0.5	4.0	25.7	31.0	50	8	99
	20	208/230	3	83.1	14.0	0.0	0.0	14.0	17.5	30	14	46
	21	208/230	3	83.1	14.0	0.5	0.0	14.5	18.0	30	14	44
	30/35	460	3	41.0	6.4	0.0	0.0	6.4	8.0	10	14	100
WT048	00	208/230	1	152.9	27.1	0.0	0.0	27.1	33.9	60	8	94
	01	208/230	1	152.9	27.1	0.5	0.0	27.6	34.4	60	8	92
	10	208/230	1	152.9	27.1	0.0	5.5	32.6	39.4	60	8	78
	11	208/230	1	152.9	27.1	0.5	5.5	33.1	39.9	60	8	77
	20	208/230	3	110.0	16.5	0.0	0.0	16.5	20.6	35	12	60
	21	208/230	3	110.0	16.5	0.5	0.0	17.0	21.1	35	12	58
	30/35	460	3	52.0	7.2	0.0	0.0	7.2	9.0	15	14	89
WT060	00	208/230	1	179.2	29.7	0.0	0.0	29.7	37.1	60	8	86
	01	208/230	1	179.2	29.7	0.5	0.0	30.2	37.6	60	8	84
	10	208/230	1	179.2	29.7	0.0	5.5	35.2	42.6	70	6	115
	11	208/230	1	179.2	29.7	0.5	5.5	35.7	43.1	70	6	114
	20	208/230	3	136.0	17.6	0.0	0.0	17.6	22.0	40	12	56
	21	208/230	3	136.0	17.6	0.5	0.0	18.1	22.5	40	12	55
	30/35	460	3	66.1	8.5	0.0	0.0	8.5	10.6	14	14	75

Notes:

1. All line and low voltage wiring must adhere to the National Electrical Code and Local Codes, whichever is the most stringent.
 2. Wire length based on a one way measurement with a 2% voltage drop.
 3. Wire size based on 60°C copper conductor and minimum circuit ampacity.
 4. All fuses class RK-5
- * The external loop pump FLA is based on a maximum of three UP26-116F-230V pumps (1/2hp) for 048 - 060 and two pumps for 034

NOTE: PROPER POWER SUPPLY EVALUATION

When any compressor bearing unit is connected to a weak power supply, starting current will generate a significant "sag" in the voltage which reduces the starting torque of the compressor motor and increases the start time. This will influence the rest of the electrical system in the building by lowering the voltage to the lights. This momentary low voltage causes "light dimming". The total electrical system should be evaluated with an electrician and HVAC technician. The evaluation should include all connections, sizes of wires, and size of the distribution panel between the unit and the utility's connection. The transformer connection and sizing should be evaluated by the electric utility provider.

ENGINEERING SPECIFICATIONS:

DUAL COMPRESSOR UNIT ELECTRICAL DATA:

Model	Voltage Code/ HWG Option	60 Hz Power		Compressor		HWG Pump FLA	Ext. Loop Pump FLA	Total Unit FLA	Min Circuit AMPS	Max Fuse HACR	Min AWG	Max Ft
		Volts	Phase	LRA	RLA							
WT092	00	208/230	1	152.9 ea.	27.1 ea.	0.0	0.0	54.2	61.0	80	4	119
	01	208/230	1	152.9 ea.	27.1 ea.	0.5	0.0	54.7	61.5	80	4	117
	10	208/230	1	152.9 ea.	27.1 ea.	0.0	0.0	54.2	61.0	80	4	119
	11	208/230	1	152.9 ea.	27.1 ea.	0.5	0.0	54.7	61.5	80	4	117
	20	208/230	3	110.0 ea.	16.5 ea.	0.0	0.0	33.0	37.1	50	8	77
	21	208/230	3	110.0 ea.	16.5 ea.	0.5	0.0	33.5	37.6	50	8	76
	30/35	460	3	52.0 ea.	7.2 ea.	0.0	0.0	14.4	16.2	20	14	44
WT120	00	208/230	1	178.0 ea.	28.3 ea.	0.0	0.0	56.6	63.7	90	4	113
	01	208/230	1	178.0 ea.	28.3 ea.	0.5	0.0	57.1	64.2	90	4	112
	10	208/230	1	178.0 ea.	28.3 ea.	0.0	0.0	56.6	63.7	90	4	113
	11	208/230	1	178.0 ea.	28.3 ea.	0.5	0.0	57.1	64.2	90	4	112
	20	208/230	3	136.0 ea.	19.2 ea.	0.0	0.0	38.4	43.2	60	6	106
	21	208/230	3	136.0 ea.	19.2 ea.	0.5	0.0	38.9	43.7	60	6	104
	30/35	460	3	66.1 ea.	8.7 ea.	0.0	0.0	17.4	19.6	25	14	37
WT144	20	208/230	3	149.0 ea.	22.4 ea.	0.0	0.0	44.8	50.4	70	6	91
	21	208/230	3	149.0 ea.	22.4 ea.	0.5	0.0	45.3	50.9	70	6	90
	30/35	460	3	75.0 ea.	10.6 ea.	0.0	0.0	21.2	23.9	30	12	47

Notes:

1. All line and low voltage wiring must adhere to the National Electrical Code and Local Codes, whichever is the most stringent.
 2. Wire length based on a one way measurement with a 2% voltage drop.
 3. Wire size based on 60°C copper conductor and minimum circuit ampacity.
 4. All fuses class RK-5
- * The external loop pump FLA is based on a maximum of three UP26-116F-230V pumps (1/2hp) for 048 - 060 and two pumps for 034

PHYSICAL DATA

MODEL	036	048	060	092	120	144
COMPRESSOR TYPE	Two Stage Unloading Scroll			Two Single Stage Scrolls	Dual Two Stage Scrolls	
Refrigerant Type	R 410-A					
Refrigerant Charge*	66	80	84	68 ea	76 ea	81 ea
Heat Exchanger (Source)	Copper Coaxial Tube in Tube					
Source Option	Cupro-Nickel Coaxial Tube in Tube					
Unit Weight (nominal) - lbs	315	340	385	550	670	670

*Always refer to unit data plate during maintenance or repair



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