TRANE®

It's Hard To Stop A Trane.®

Geothermal

TVGX Variable Speed Packaged Heat Pumps

```
 1  2  3  4  5  6  7  8  9 10 11 12 13 14
 T  V  G  X  0  3  6  T  L  1  1  C  1  K
```

Brand
T = Trane

Compressor Type
V = Full Modulation Compressor

Product Category
G = Geothermal

Product Type
X = Premium Packaged Water to Air

Unit Capacity (MBTUH)
036, 048, 060

*Discharge Air Configuration
T = Top (Vertical)
B = Bottom (Vertical)
E = End (Horizontal)
S = Side (Horizontal)
R = Rear (Vertical)

*Return Air Configuration
L = Left
R = Right

Voltage/Frequency/Phases
1 = 208-230/60/1

*Hot Water Options
0 = No Hot Water, No IntelliStart
1 = Hot Water Generator with external factory pump, No IntelliStart
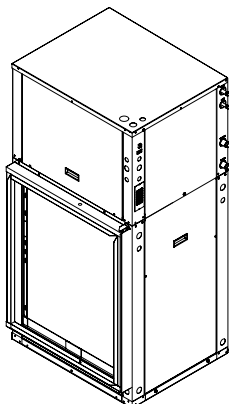
*Coax Options
C = Copper
N = Cupronickel

Blower Motor Options
1 = ECM Blower

Controls Option
K = Aurora VS Control w/ Performance Monitoring

Capacities
Variable Capacities = 036, 048, 060

*Select desired options to create specific model number.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

![TRANE logo] **TRANE**®

It's Hard To Stop A Trane.®

Variable Speed Packaged Units

- Extended range operation (20-120˚F EWT)
- Earth friendly R-410A refrigerant
- Aurora advanced variable speed control
- "Superboost" cooling mode
- Climatuff® Variable Speed Compressor
- Variable Speed ECM fan motor
- FormiShield Plus™ coated air coil
- Electronic expansion valve
- Internal electric heat (optional on vertical units only)
- 1" Swivel fittings
- Gray powder coated heavy guage galvanized cabinet

- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- 2" Filter Rack with MERV 11 filter Included
- Horizontal Hanger Kit included for horizontal configurations
- **10-year parts and 5-year labor allowance**

* Unit includes:
Refrigerant Monitoring Module
Performance Monitoring Module
Energy Monitoring Module

* Requires AID Tool

Geothermal

Table GEO-2-A — VGX - Variable Speed Water Source Heat Pumps

Unit Model No.	Power Supply Volts/Hz/Phase	Norminal Cooling Capacity (Btuh) ECM 2 Motor	Dimensions (in.)① H x W x L	Shipping Weight (lbs.)	Nominal Supply Opening (WxD)①	Nominal Return Opening (DxH)①	Filter Size ①	Water Inlet/ Outlet Size	Min Circ Amp ECM 2 Motor	Max Fuse
TVGX036	208-230/60/1	38,000	26x32x55	372	18x18	28x30	32x30	1" Swivel	37.3	40
TVGX048	208-230/60/1	49,000	26x32x55	381	18x18	28x30	32x30	1" Swivel	47.8	50
TVGX060	208-230/60/1	60,000	26x32x59	405	18x18	28x34	36x30	1" Swivel	54.1	60

① Vertical Applications.
* For models not listed and unit details, please refer to the Geothermal/Water Source Heat Pump Product Data publication.

Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-2

Effective 1/1/17
22-8301-30

Table GEO-3-A — Optional Accessories for VGX Units *

Model Number	Description
Thermostats	
TPCC32U01E	Communicating Color Touchscreen Thermostat w/Energy Monitoring and Humidity Control
TPCM32U04E	Communicating Thermostat with Energy Monitoring capabilites and Humidity Control
Notes: Must use TPCC32U01, TPCM32U04 or IntelliZone2 - No other thermostats will operate the heat pump.	
Diagnostic Tool	
AIDK01	Aurora Interface Display Service Tool
Variable Speed Flow Center	
FCV1-GL	High impact polystyrene plastic cabinet, one Grundfos Magna Geo 32-140 variable speed pump (1 pump flow
FCV2-GL	center) and one UP26-99 fixed speed pump (2nd pump on 2 pump flow center)
IntelliZone2 with MasterStat and AXB Communication Harness	
IntelliZone 2TA	Communicating Zone System (Only works with XV Series Units)
	Multiple level zone calls communicate exact zone load requirements
	Controls up to 6 zones with Variable Speed units, 4 zones with dual capacity compressor (2 w/ single-speed compressor)
	Direct control of Variable speed ECM fan motor to match needs of the space. 6-8 fan speeds on line, up to 12 speeds available
	Zone sizes as small as 25% of whole house (15% Variable Speed and 25% Dual Capacity)
	Individual zone selectable economy or comfort mode
	Four upstaging options: normal, quicker, faster w/ timer for various application scenarios
	Dehumidification mode lowers airflow in cooling for better dehumidification
	Power consumption displayed on MasterStat for all XV Series with advanced controls
Zone Thermostat	
ZoneStat	Option for any of Zones 2 through 6. Full setback capability with communication to the IntelliZone2 System
Zone Sensor Thermostat	
SensorStat	Option for any of Zones 2 through 6. Full setback capability (through the MasterStat only) with communication to the Intellizone2 System
Trouble Shooting Kit	
Z2TK	Back plate of the MasterStat w/ harness to plug into IntelliZone2 relay board for set up and service at the zone panel
ZTK240	Zone Transformer Kit - 208/240V - 24V

*Note: These accessories are dedicated for Variable Speed *VGX units ONLY

Table GEO-3-B — Optional Accessories for VGX Units (Non-Dedicated)

Model Number	Description
Vertical Auxilliary Heaters	
EAL10A	Internal mount, electronic control board, sequenced operation, - 15-20kW Include internal fuses
EAL15A	Internal mount, electronic control board, sequenced operation, - 15-20kW Include internal fuses
EAL20A	Internal mount, electronic control board, sequenced operation, - 15-20kW Include internal fuses
Horizontal Auxilliary Heaters	
EALH10A	Internal mount control box, coil assembly external mount, electronic control board, sequenced operation, 15-20KW include internal fuses
EALH15A	Internal mount control box, coil assembly external mount, electronic control board, sequenced operation, 15-20KW include internal fuses
EALH20A	Internal mount control box, coil assembly external mount, electronic control board, sequenced operation, 15-20KW include internal fuses
Air Pads for Vertical Topflow Units	
AP32	AP = High Density Plastic
APF2634	APF = 2" PEX foam, cutable
Electronic Air Cleaner	
EAC3032	Vertical Units (30x32)
EAC3036	Vertical Units (30x36)
EAC3036	Bottom Flow Units (30x36)
EAC2042	Horizontal Units (20x42)
EAC2047	Horizontal Units (20x47)

Geothermal

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

Effective 1/1/17
22-8301-30

Water to Air Packaged Units

Geothermal

1GX - 2GX Water Source Heat Pumps

1	2	3	4	5	6	7	8	9	10	11	12	13	14
T	1	G	X	0	2	2	T	R	R	1	0	C	0

Brand
T = Trane

*Compressor Type
1 = Single Speed
2 = Dual Capacity

Product Category
G = Geothermal

Product Type
X = Premium Packaged System (Water-to-Air)

Nominal BTU's
Thousands of BTU's

*Discharge Air Configuration
T = Top (Vertical)
B = Bottom (Vertical 022-072)
E = End (Horizontal)
S = Side (Horizontal)
R = Rear (Vertical 042-072)

*Return Air Configuration
L = Left
R = Right

Heating and/or Cooling
R = Heating and Cooling (Reversible)

Voltage/Frequency/Phases
1 = 208-230/60/1

*Hot Water Options
0 = No Hot Water, No IntelliStart
1 = Hot Water Generator with factory installed pump, No IntelliStart
3 = No Hot Water, IntelliStart
4 = Hot Water Generator with factory installed pump, IntelliStart

*Coax Options
C = Copper, Uncoated Aluminum Air Coil
N = Cupronickel, Uncoated Aluminum Air Coil

*Blower Motor Options
0 = PSC
1 = Vairable Speed ECM (018-072
2 = High Static Variable Speed ECM (036-049)
4 = 5-Speed ECM (022-072)

Capacities
Single = 022, 030, 036, 042, 048, 060, 070
Dual = 26, 038, 049, 064, 072

*Select desired options to create specific model number.
Notes:
1. All models have sound kits.
2. HWG available 018-072
3. IntelliStart available 022-072
4. AlumiSeal coating-Not Available

2GC Water Source Heat Pumps

1	2	3	4	5	6	7	8	9	10	11	12	13	14
T	2	G	C	0	4	8	T	L	R	1	0	C	4

Brand
T = Trane

Compressor Type
2 = Dual Capacity

Product Category
G = Geothermal

Product Type
C = Mid-Level Packaged System

Unit Capacity
024, 036, 048, 060, 072

Discharge Air Configuration
T = Top (Vertical)
E = End (Horizontal)
S = Side (Horizontal)

Return Air Configuration
L = Left
R = Right

Heating and/or Cooling
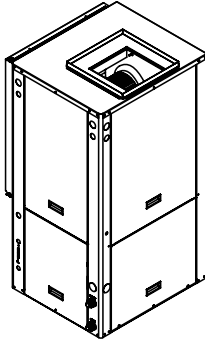R = Heating and Cooling (Reversible)

Voltage/Frequency/Phases
1 = 208-230/60/1

Hot Water Options
0 = No HWG, No IntelliStart
1 = HWG with Factory Installed Pump, No IntelliStart
3 = No HWG, IntelliStart
4 = HWG with Factory Installed Pump, IntelliStart

Water, Coax & Air Coil Options
C = Copper, Uncoated Aluminum Air Coil
N = Cupronickel, Uncoated Aluminum Air Coil

Blower Motor Options
4 = 5-Speed ECM, Duct Flanges, No Filter
0 = 5-Speed ECM, 1" Filter Rack with 1" MERV8

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-4

Effective 1/1/17
22-8301-30

Water to Air Packaged Units

- Extended range operation (20-120˚F EWT)
- Earth friendly R-410A refrigerant
- Premier 2 microprocessor based controls with fault indicator lights
- Climatuff® single speed or dual capacity scroll compressor
- PSC Motor or ECM variable speed fan motor
- Internal expansion valve
- Optional internal electric heat
- 1" Swivel fittings
- Special gray color powder coated heavy gauge galvanized cabinet

- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- 2" Filter Rack with MERV 11 filter Included
- Horizontal Hanger Kit Included
- **10-year parts and 5-year labor allowance**

Geothermal

Table GEO-5-A — 1GX - 2GX Water Source Heat Pumps

Unit Model No.	Power Supply Volts/Hz/Phase	Norminal Cooling Capacity (Btuh) ECM 2 Motor	Dimensions (in.)① H x W x L	Shipping Weight (lbs.)	Nominal Supply Opening (WxD)①	Nominal Return Opening (DxH)①	Filter Size ①	Water Inlet/ Outlet Size	Min Circ Amp ECM 2 Motor	Max Fuse
T1GX022	208-230/60/1	21,700	48.4x22.3x26.3	313	14x14	22x26	28x24	1" Swivel	15.2	20
T2GX026	208-230/60/1	27,200	48.4x22.3x26.3	313	14x14	22x26	28x24	1" Swivel	16.8	25
T1GX030	208-230/60/1	29,400	48.4x22.3x26.3	328	14x14	22x26	28x24	1" Swivel	20.0	30
T1GX036	208-230/60/1	35,000	50.4x25.4x31.4	373	18x18	28x26	28x30	1" Swivel	21.6	35
T2GX038	208-230/60/1	40,200	50.4x25.4x31.4	378	18x18	28x26	28x30	1" Swivel	24.8	40
T1GX042	208-230/60/1	42,000	54.4x25.4x31.4	388	18x18	28x30	32x30	1" Swivel	24.8	40
T1GX048	208-230/60/1	49,300	54.4x25.4x31.4	428	18x18	28x30	32x30	1" Swivel	28.8	45
T2GX049	208-230/60/1	50,000	54.4x25.4x31.4	428	18x18	28x30	32x30	1" Swivel	30.4	50
T1GX060	208-230/60/1	66,800	58.4x25.4x31.4	463	18x18	28x34	36x30	1" Swivel	40.0	60
T2GX064	208-230/60/1	67,600	58.4x25.4x31.4	473	18x18	28x34	36x30	1" Swivel	39.0	60
T1GX070	208-230/60/1	73,200	58.4x25.4x31.4	488	18x18	28x34	36x30	1" Swivel	44.6	70
T2GX072	208-230/60/1	73,600	58.4x25.4x31.4	488	18x18	28x34	36x30	1" Swivel	41.0	60

① Vertical Applications.

* For models not listed and unit details, please refer to the Geothermal/Water Source Heat Pump Product Data publication.

Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-5

Effective 1/1/17
22-8301-30

Water to Air Packaged Units

Geothermal

Table GEO-6-A — Optional Accessories 1GX - 2GX

Model Number	Description	Single Speed Models	Dual Capacity Models
		Used With	
Vertical Auxiliary Heaters			
EAS4A		012	
EAM5A	①	022, 030	026
EAM8A	①	030	026
EAM10A	①	030	026
EAL10A	①	036, 042, 048, 060, 070	038, 049, 064, 072
EAL15A	①	036, 042, 048, 060, 070	038, 049, 064, 072
EAL20A	①	048, 060, 070	049, 064, 072
Horizontal Auxiliary Heaters			
EASH4A		012	
EAMH5A	②	022,030	026
EAMH8A	②	022,030	026
EAMH10A	②	030	026
EALH10A	②	036, 042, 048, 060, 070	038, 049, 064, 072
EALH15A	②	036, 042, 048, 060, 070	038, 049, 064, 072
EALH20A	②	048, 060, 070	049, 064, 072
Air Pads for Vertical Topflow Units			
AP2430	AP= High density plastic	022, 030	026
AP32	AP= High density plastic	036, 042, 048, 060, 070	038, 049, 064, 072
APF2634	APF= 2" PEX foam, cutable	022, 030, 036, 042, 048, 060, 070	026, 038, 049, 064, 072
Thermostats (All Controls- 3H, 2C, Dual Fuel Compatible)			
TZONE950AC52ZA	950 Premium Control (Requires Relay Panel)		
BAY24VRPAC52DA	24 Volt Interface Relay Panel for 950 Control		
TCONT402AN32DA	Non-Programmable Comfort Control		
TCONT824AS42DA	24 Volt Color Touchscreen Control		
Disposable Pleated Filters, 2" MERV11③			
59P509-04	Vertical Units (24x28)④	022, 030	026
59P509-08	Vertical Units (28x30)	036	038
59P509-07	Vertical Units (30x32)	042, 048	049
59P509-06	Vertical Units (30x36)⑤	060, 070	064, 072
59P509-09	Horizontal Units (18x32)	022, 030	026
59P509-10	Horizontal Units (20x37)	036	049
59P509-02	Horizontal Units (20x20)	042, 048	049
59P509-11	Horizontal Units (20x22)	042, 048, 060, 070	049, 064, 072
59P509-03	Horizontal Units (20x25)	060, 070	064, 072

① Internal Mount, Electronic Control Board, Sequenced Operation, 15-20kW include internal fuses.
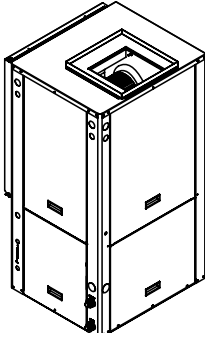② Internal mount control box, coil assembly external mount, Electronic Control Board, Sequenced Operation, 15-20kW include internal fuses (Use on Horizontal & Rear Discharge Units).
③ 6 month life (Minimum order qty. 2).
④ Bottom flow 22-30
⑤ Bottom flow 36-72

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-6

Effective 1/1/17
22-8301-30

![TRANE logo]

It's Hard To Stop A Trane.®

Water to Air Packaged Units Mid-Efficiency

- Extended range operation (20-120˚F EWT)
- Earth friendly R-410A refrigerant
- Premier 2 microprocessor based controls with fault indicator lights
- Climatuff® dual capacity scroll compressor
- 5-Speed ECM fan motor
- Aluminum air coil
- Optional internal electric heat
- 1" Swivel fittings
- Special gray color powder coated heavy gauge galvanized cabinet

- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- **Standard 2 Year Parts and Labor & 5 Year Refrigeration Component and Labor Warranty**
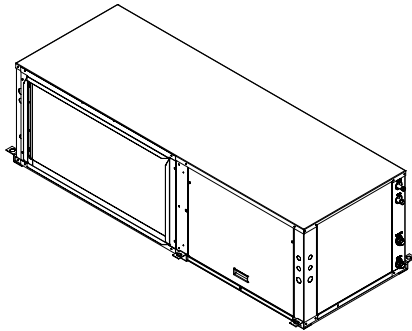- **5 Year Parts and Labor Allowance Warranty (OPTIONAL)**

Table GEO-7-A — 2GC Water Source Heat Pumps - Vertical Application

Unit Model No.	Power Supply Volts/Hz/Phase	Norminal Cooling Capacity (Btuh) ECM 2 Motor	Dimensions (in.)① H x W x L	Shipping Weight (lbs.)	Nominal Supply Opening (WxD)①	Nominal Return Opening (DxH)①	Filter Size ①	Water Inlet/ Outlet Size	Min Circ Amp ECM 2 Motor	Max Fuse
T2GC024	208-230/60/1	23,100	39.4x22.5x26.5	218	14x14	22x18	20x24	1" Swivel	24.5	35
T2GC036	208-230/60/1	35,100	44.5x22.5x26.5	244	14x14	22x22	20x24	1" Swivel	28.9	40
T2GC048	208-230/60/1	49,000	50.4x25.6x31.6	323	18x18	28x26	28x30	1" Swivel	39.8	60
T2GC060	208-230/60/1	59,900	50.4x25.6x31.6	349	18x18	28x26	28x30	1" Swivel	47.2	70
T2GC072	208-230/60/1	67,000	54.4x25.6x31.6	370	18x18	28x30	30x32	1" Swivel	50.4	80

① Vertical Applications.

* For models not listed and unit details, please refer to the Geothermal/Water Source Heat Pump Product Data publication.

Water to Air Packaged Units Mid-Efficiency

- Side or end discharge for horizontal units
- Left or right return locations
- Cabinet design - improved access panels and narrow profile

Table GEO-7-B — 2GC Water Source Heat Pumps - Horizontal Application

Unit Model No.	Power Supply Volts/Hz/Phase	Norminal Cooling Capacity (Btuh) ECM 2 Motor	Dimensions (in.)② W x D x H	Shipping Weight (lbs.)	Nominal Supply Opening (HxD)②	Nominal Return Opening (DxH)②	Filter Size ②	Water Inlet/ Outlet Size	Min Circ Amp ECM 2 Motor	Max Fuse
T2GC024	208-230/60/1	23,100	22.5x53.0x19.3	248	10.5x9.5	21.8x16.5	18x24	1" Swivel	24.5	35
T2GC036	208-230/60/1	35,100	22.5x63.0x19.3	270	10.5x9.5	30.5x16.7	20x32	1" Swivel	28.9	40
T2GC048	208-230/60/1	49,000	25.6x72.0x21.3	345	13.6x13.2	35.5x18.6	20x37	1" Swivel	39.8	60
T2GC060	208-230/60/1	59,900	25.6x72.0x21.3	378	13.6x13.2	35.5x18.6	20x37	1" Swivel	47.2	70
T2GC072	208-230/60/1	67,000	25.6x77.0x21.3	389	13.6x13.2	40.4x18.7	③	1" Swivel	50.4	80

②Horizontal Applications.

③ T2GC072 Horizontal application requires a 20x20 filter and a 20x22 filter.

* For models not listed and unit details, please refer to the Geothermal/Water Source Heat Pump Product Data publication.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-7

Effective 1/1/17
22-8301-30

Water to Air Packaged Units Mid-Efficiency

Table GEO-8-A — Optional Accessories 2GC

Model Number	Description	Used With Dual Capacity Models
Air Pads for Vertical Units		
AP2430	AP High Density Plastic	026
AP32	AP High Density Plastic	038,049,064,072
APF2634	AOF - 2" PEX Foam, Cutable	026,038,049,064,072
Vertical Auxilliary Heaters		
EAM5A	①	026,038
EAM8A	①	026,038
EAM10A	①	026,038
EAL10A	①	049,064,072
EAL15A	①	049,064,072
EAL20A	①	049,064,072
Horizontal Auxilliary Heaters		
EAMH5A	②	026,038
EAMH8A	②	026,038
EAMH10A	②	026,038
EALH10A	②	049,064,072
EALH15A	②	049,064,072
EALH20A	②	049,064,072
Field Installed 1" Filter Rails, Must Order 2 Each Per Unit (Top & Bottom) Note: Filter/Air Cleaner Not Included, Select From Below		
46P828-98T	Vertical 1" Filter Rails	026
46P828-96T	Vertical 1" Filter Rails	038
46P828-97T	Vertical 1" Filter Rails	049,064,072
Field Installed 1" Filter Rails, Must Order 2 Each Per Unit (Top & Bottom) Note: Filter/Air Cleaner Not Included, Select From Below		
46P862-01T	Horizontal 1" Filter Rails	026
46P863-01T	Horizontal 1" Filter Rails	038
46P861-01T	Horizontal 1" Filter Rails	049,064
46P864-01T	Horizontal 1" Filter Rails	072
Electronic Air Cleaner		
EAC2024	Vertical Units (20x24)	026
EAC2424	Vertical Units (24x24)	038
EAC2830	Vertical Units (28x30)	049,064
EAC3032	Vertical Units (30x32)	072
EAC1824	Horizontal Units (18x24)	026,038
EAC1832	Horizontal Units (18x32)	049
EAC2037	Horizontal Units (20x37)	064
EAC2042	Horizontal Units (20x42)	072
Disposable Pleated Filters, 1" MERV8		
59P503B12	Vertical Units (20x24)	026
59P503B27	Vertical Units (24x24)	038
59P503B28	Vertical Units (28x30)	049,064
59P503B21	Vertical Units (30x32)	072
59P503B07	Horizontal Units (18x24)	026
59P503B23	Horizontal Units (18x32)	038
59P503B08	Horizontal Units (20x37)	049,064
59P503B02	Horizontal Units (20x20)	072 ④
59B503N24	Horizontal Units (20x22)	072 ④

① Internal Mount, Electronic Control Board, 15-20kW Include Internal Fuses.
② Internal Mount Control Box, Coil Assembly External Mount, Electronic Control Board, 15-20kW include internal fuses
③ 6 Month Life, (Minimum Order Quantity 2)
④ 072 Horizontal unit requires both filters to span the width of the filter opening.

For complete equipment / combination selections,
installation instructions and warranty information,
please refer to Product Data/Ratings and/or Installers
Guides and Limited Warranty Handbooks.

GEO-8

Effective 1/1/17
22-8301-30

Water to Water Packaged Units

1GW Water Packaged Units

```
 1  2  3  4  5  6  7  8  9 10 11 12 13 14
 T  1  G  W  0  4  0  N  N  H  1  0  C  A
 ▲  ▲  ▲  ▲     ▲     ▲  ▲  ▲  ▲  ▲  ▲  ▲
```

Brand
T = Trane

Compressor Type
1 = Single Stage Compressor

Product Category
G = Geothermal

Product Type
W= Hydronic Packaged System (Water-to-Water)

Nominal BTU's
Thousands of BTU's

Discharge Air Configuration
N = None

Return Air Configuration
N = None

*Heating and/or Cooling①
H = Heating Only
R = Heating and Cooling (Reversible)

Voltage/Frequency/Phases
1 = 208-230/60/1

*Hot Water Options①
0 = No Hot Water, No IntelliStart
2 = Hot Water Generator without factory installed pump, No IntelliStart
3 = No Hot Water, IntelliStart
5 = Hot Water Generator without factory installed pump, IntelliStart

*Coax Options②
C = Copper
N = Cupronickel
L = Source Cupronickel / Load Copper
S = Source Copper / Load Cupronickel

Control Options
A = Aurora ™ Base Control (ABC)
B = Aurora ™ Advance Control (ABC and AXV)
D = Aurora ™ Performance and Refrigeration Package

2GW Water Packaged Units

```
 1  2  3  4  5  6  7  8  9 10 11 12 13 14
 T  2  G  W  1  0  0  T  N  R  1  0  B  N
 ▲  ▲  ▲  ▲     ▲     ▲  ▲  ▲  ▲  ▲  ▲  ▲
```

Brand
T = Trane

Compressor Type
2 = Two Stage Compressor

Product Category
G = Geothermal

Product Type
W= Hydronic Packaged System (Water-to-Water)

Nominal BTU's
Thousands of BTU's

Discharge Configuration
T = Top Mounted Connections
R = Rear Mounted Connections

Return Air Configuration
N = None

Heating and/or Cooling
R = Heating and Cooling (Reversible)

Voltage/Frequency/Phases
1 = 208-230/60/1

Hot Water Options
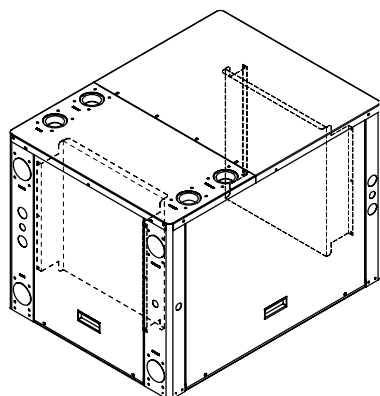0 = No Hot Water, No IntelliStart
3 = No Hot Water, IntelliStart

Coax Options
B = Brazed plate

Blower Motor Options
N = None

① Available on 040-075 only. Hot Water Generator requires field installed external pump kit.
② 018-025 heating only models are avaliable only with copper double wall vented load coax for potabale water.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-9

Effective 1/1/17
22-8301-30

Water to Water Packaged Units

1GW Series
- Extended range operation (20-120˚F EWT)
- Earth friendly R-410A refrigerant
- GW series Aurora™ based controls
- Scroll (single speed) compressors
- Expansion valve
- Special gray powder coated cabinet
- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- Fully insulated cabinet, coax HE, water piping and ref. lines
- **10-year parts and -year labor allowance**

2GW Series
- Ultra-compact 25"W x 33"D x 24"H
- Standard waterlines out the back or front (field convertible via control box)
- Factory optional top waterlines
- High efficiency brazed plate heat exchanger
- High efficiency scroll compressors (2)
- Optional IntelliStart
- FX10 control package with MUI interface
- Performance monitoring and communication through standard DDC protocols
- **10-year parts and 5-year labor allowance**

Geothermal

Table GEO-10-A — 1GW - 2GW Hydronic Heat Pumps

Unit Model No. Refrigerant	Power Supply Volts/Hz/Phase	Norminal Cooling Capacity (Btuh)	Norminal Heating Capacity (Btuh)	Dimensions (in.) H x W x D	Shipping Weight (lbs.)	Water Supply and Return Size	Min Circ Amp	Max Fuse
T1GW018	208-230/60/1	17,300	15,000	26.1 x 19.5 x 23.5	213	1	20.1	30
T1GW025	208-230/60/1	24,700	22,000	26.1 x 19.5 x 23.5	247	1	24.1	35
T1GW040	208-230/60/1	37,700	31,000	26.2 x 22.0 x 31.0	305	1	32.2	50
T1GW050	208-230/60/1	51,500	44,000	26.2 x 22.0 x 31.0	340	$1\frac{1}{4}$	40.2	60
T1GW060	208-230/60/1	58,000	50,000	26.2 x 22.0 x 31.0	360	$1\frac{1}{4}$	44.8	70
T1GW075	208-230/60/1	68,400	62,000	26.2 x 22.0 x 31.1	360	$1\frac{1}{4}$	40.8	60
T2GW100	208-230/60/1	100,000	82,000	24.1 x 25.58 x 33.6	385	2	33.0/41.4	50/60
T2GW120	208-230/60/1	114,000	93,000	24.1 x 25.58 x 33.6	395	2	37.6/46.0	60/70
T2GW150	208-230/60/1	147,000	123,000	24.1 x 25.58 x 33.6	395	2	33.6/42.0	60/60
T2GW180	208-230/60/1	165,000	139,000	24.1 x 25.58 x 33.6	415	2	40.1/48.5	70/80

*For models not listed and unit details, please refer to the Geothermal Hydronic Heat Pump Product Data publication.

Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-10

Effective 1/1/17
22-8301-30

Table GEO-11-A — Optional Accessories 1GW

Model Number	Description	Used With
Circulating Pump Kits		
24S516-10	Load-side low flow pump (Potable Water)	018, 025
EWPK1①	Load-side pump kit, 1" cast iron volute	018, 025, 040
EWPK2	Load-side pump kit, 1" bronze volute	018, 025
EWPK3①	Load-side pump kit, 1 1/4" cast iron volute	050, 060, 075
13P003B	Low voltage pump signal relay (combined source pumps)	018, 025, 040, 050, 060, 075
Water Connection Kits		
MA4FPT	1" MPT x 1" FPT w/1/4 tap, Load Side W-W	018, 025, 040
MA5FPT	1 1/4" MPT x 1" FPT w/1/4 tap, Load Side W-W	050, 060, 075
WFI-HKM-100-24-M0	Stainless steel hose kit 1"	018, 025, 040
WFI-HKM-125-24-M0	Stainless steel hose kit 1 1/4"	050, 060, 075
Hot Water Generatorer Pump Kit		
DPK5	Includes 230v 1/25 hp pump and fittings	040, 050, 060, 075
Air Pads		
AP2430	AP= High density plastic	018, 025, 040
AP32	AP= High density plastic	050, 060, 075
APF2428	2" PEX foam, cutable	018, 025
APF2634	2" PEX foam, cutable	040, 050, 060, 075

① Not for use in 018 and 025 potable water applications.

Table GEO-11-B — Optional Accessories 2GW

Model Number	Description
Hose Kits②	
WFI-XYH200-F-24M0-M	2" Stainless Steel hose kit, Y-Strainer, ball valves, and end fittings
Water Connection Kit ①	
CKNDW1	Source side OR Load side unit fittings, P/T plugs
Large Flow Centers②	
FCL1-5028	1 Grundfos 3 speed pump (28 feet of head at 50 GPM)
FCL2-5028	2 Grundfos 3 speed pump (56 feet of head at 50 GPM)
FCL1-5038	1 Grundfos 3 speed pump (38 feet of head at 50 GPM)
FCL2-5038	2 Grundfos 3 speed pump (76 feet of head at 50 GPM)
FCL1-5055	1 Grundfos 3 speed pump (55 feet of head at 50 GPM)
FCL2-5055	2 Grundfos 3 speed pump (110 feet of head at 50 GPM
Load-Side Pump (pump and 2 "GL" fittings)②	
PML32-160	1 Grundfos 3 speed pump (28 feet of head at 50 GPM)
PML40-160	1 Grundfos 3 speed pump (38 feet of head at 50 GPM)
PML40-240	1 Grundfos 3 speed pump (55 feet of head at 50 GPM)
Large Flow Centers Fittings (sets of 2)②	
GL6FPT	1.5" FPT X 2" GeoLink
GL8FPT	2" FPT X 2" GeoLink
GL-FPL	Flushing Adapter
Flow Switch Kit	
FPS300	Flow Switch Kit
Connection Kit	
CK5L	1 1/4" MPT X 1 1/4" hose barb, brass elbow w/ 1/4" P/T plugs
Rubber Hose Kit w/ Strainer	
CK5L-XLS	CK5L, 2 - 8' 1 1/4" rubber hose, pair 1 1/4" hose barb x 1 1/4 XL style fittings, steel hose clamps, with mesh bronze strainer

① This part can be used for both load and source side. 2 kits will need to be purchased for fittings for both sides.
② Drop shipped from vendor. Does not include freight.

Geothermal

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-11

Effective 1/1/17
22-8301-30

HydroLogic™ Control

- Water to Water Load Side Zone Control
- Menu Driven Software
- Adjustable setpoints and deadbands
- Three control strategies

- Lead/Lag logic
- Utilizes Geo Storage tank sensor
- **2-year parts & labor allowance warranty included in list price**

Table GEO-12-A — HydroLogic™ Control

Model Number	Specification	Unit Compatibility
HZC	HydroLogic™ Control Only	All
HLP2EXPU	HydroLogic™ Control 2 Zone Expansion Panel - uninsulated	All
HLP4EXPU	HydroLogic™ 4 Zone Expansion Panel - uninsulated	All
HLP2EXPI	HydroLogic™ 2 Zone Expansion Panel - insulated	All
HLP4EXPI	HydroLogic™ 4 Zone Expansion Panel - insulated	All
HLPC3U	HydroLogic™ Control Panel - Combination Systems - Up to 3 Tons - uninsulated	*2GY
HLPC6U	HydroLogic™ Control Panel - Combination Systems - Up to 6 Tons - uninsulated	*2GY
HLPW3U	HydroLogic™ Control Panel - Water-to-Water Systems - Up to 3 Tons - uninsulated	*1GW, *1GH
HLPW6U	HydroLogic™ Control Panel - Water-to-Water Systems - Up to 6 Tons - uninsulated	*1GW, *1GH
HLPC3I	HydroLogic™ Control Panel - Combination Systems - Up to 3 Tons - insulated	*2GY
HLPC6I	HydroLogicv Control Panel - Combination Systems - Up to 6 Tons - insulated	*2GY
HLPW3I	HydroLogic Control Panel - Water-to-Water Systems - Up to 3 Tons - insulated	*1GW *1GH
HLPW6I	HydroLogic Control Panel - Water-to-Water Systems - Up to 6 Tons - insulated	*1GW *1GH
TP42H01	Touchscreen Thermostat - 4 heat / 2 cool	All
TP10H01	Radiant Touchscreen Thermostat - 1 heat / 0 cool	All
TA10H01	Radiant Thermostat - 1 Heat / 0 Cool	All
ADPL012	Thermostat Adapter Plate	All

Note: HZ0 is for tank control only with no zones.

HydroLogic Parts Supplier Mfg. by Watts

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-12

Effective 1/1/17
22-8301-30

TRANE®

It's Hard To Stop A Trane.®

GY Series Hybrid Systems

1	2	3	4	5	6	7	8	9	10	11	12	13	14
T	2	G	Y	0	3	8	T	R	R	1	0	C	1

Brand
T = Trane

Compressor Type
2 = Single Stage Compressor

Product Category
G = Geothermal

Product Type
Y = Premium Packaged System
     (Water-to-Air plus Radiant Heating)

Nominal BTU's
Thousands of BTU's

*Discharge Air Configuration
T = Top (Vertical)
R = Rear (Vertical 049-072 Only)

*Return Air Configuration
L = Left Painted
R = Right Painted

Heating and/or Cooling
R = Heating and Cooling

Voltage/Frequency/Phases
1 = 208-230/60/1

*Hot Water Options
0 = No Hot Water, No IntelliStart
2 = Hot Water Generator without factory installed pump
     (022-072 Only) No IntelliStart
3 = No Hot Water, IntelliStart
5 = Hot Water Generator without factory installed pump
     (022-072 Only) IntelliStart

*Coax Options
C = Copper
N = Cupronickel
L = Source Cupronickel/Load Copper
S = Source Copper/Load Cupronickel

*Blower Motor Options
1 = ECM Blower
2 = Oversized ECM Blower (038 & 049 Only)
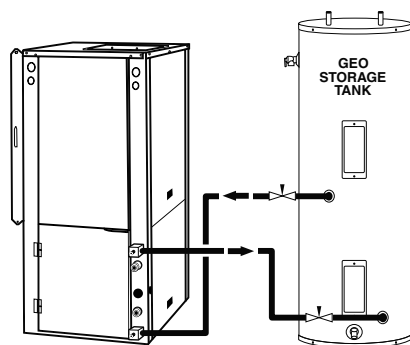
Geothermal

Capacities
Two Stage = 038, 049, 064, 072

*Select desired options to create specific model number.
Note: The factory installed water option (hot water generator) does not include factory mounted circulating pump or temperature control.
DPK5 (ordered seperately) includes field installed circulator, hot water tank adaptor, temperature limit and installation instructions.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-13

Effective 1/1/17
22-8301-30

Triple Function Hybrid Water to Air Systems

It's Hard To Stop A Trane.®

GEO STORAGE TANK

- Extended range operation (20-120°F EWT)
- Hybrid "3 in 1" system-space heat, space cool, hot water to radiant floor zones
- Optional hot water generator
- Earth friendly R-410A refrigerant
- Premier 2 microprocessor based controls
- Climatuff® dual capacity scroll Compressor
- ECM variable speed fan motor
- FormiShield™ coated air coil
- Expansion valve
- Optional internal electric heat
- 1" Swivel fittings
- Special gray powder coated heavy gauge galvanized cabinet
- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- 2" filter rack with MERV 11 filter Included
- **10-year parts and 5-year labor allowance**

Table GEO-14-A — GY Series Hybrid Systems

Unit Model No.	Power Supply Volts/Hz/Phase	Norminal Cooling Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	Supply Opening (WxD)	Return Opening (DxH)	Filter Size	Water Inlet/ Outlet Size	Min Circ Amp	Max Fuse
T2GY038	208-230/60/1	35,200	50.4x25.6x31.6	445	18x18	28x26	28x30	1" Swivel	31.2	45
T2GY049	208-230/60/1	43,800	54.4x25.6x31.6	550	18x18	28x30	32x30	1" Swivel	36.8	50
T2GY064	208-230/60/1	59,400	58.4x25.6x31.6	560	18x18	28x34	36x30	1" Swivel	45.5	70
T2GY072	208-230/60/1	69,100	58.4x25.6x31.6	560	18x18	28x34	36x30	1" Swivel	47.5	70

* For models not listed and unit details, please refer to the Geothermal Heat Pump with Water Heating for Radiant Floor Applications Product Data publication.

Table GEO-14-B — Optional Accessories

Model Number	Description	Used With
Disposable Pleated Filters, 2" MERV11①		
59P509-08	Vertical Units (28x30)	038
59P509-07	Vertical Units (30x32)	049
59P509-06	Vertical Units (30x36)	064, 072
Air Pads for Vertical Units		
AP32	AP - High density plastic	038, 049, 064, 072
APF2634	APF - 2" PEX foam, cutable	038, 049, 064, 072
Vertical Auxiliary Heaters		
EAL10A③	Vertical Auxiliary Heaters	038, 049, 064, 072
EAL15A③	Vertical Auxiliary Heaters	038, 049, 064, 072
EAL20A③	Vertical Auxiliary Heaters	049, 064, 072
Horizontal Auxiliary Heaters		
EALH10A④	Horizontal Units (Rear Discharge Units Only)	038, 049, 064, 072
EALH15A④	Horizontal Units (Rear Discharge Units Only)	038, 049, 064, 072
EALH20A④	Horizontal Units (Rear Discharge Units Only)	049, 064, 072
Hot Water Generator Pump Kit		
DPK5⑤		038, 049, 064, 072
Thermostats (All Controls- 3H, 2C, Dual Fuel Compatible)		
TZONE950AC52ZA	950 Premium Control (Requires Relay Panel)	
BAY24VRPAC52DA	24 Volt Interface Relay Panel for 950 Control	
TCONT402AN32DA	Non-Programmable Comfort Control	
TCONT824AS42DA	24 Volt Color Touchscreen Control	

① Minimum order qty. 2.
② Bottom Flow 36-72.
③ Sequenced Operation, 15-20kW include internal fuses.
④ Sequenced Operation, 15-20kW include internal fuses. Rear discharge units only.
⑤ Must be purchased with any Y with hot water generator option.
Note: For hydronic accessories, please see hydronic price book.

Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-14

Effective 1/1/17
22-8301-30

It's Hard To Stop A Trane.®

Split Heat Pump Units

2GN Indoor Split Heat Pumps

|1|2|3|4|5|6|7|8|9|10|11|12|13|14|
|T|2|G|N|0|2|2|N|N|R|1|0|C|N|

Brand
T = Trane

*Compressor Type
2 = Two Stage Compressor

Product Category
G = Geothermal

Product Type
N = Premium Split System Interior Grade

Nominal BTU's
Thousands of BTU's

Discharge Air Configuration
N = None

Return Air Configuration
N = None

Heating and/or Cooling
R = Heating and Cooling

Voltage/Frequency/Phases
1 = 208-230/60/1

*Hot Water Options
0 = No Hot Water, No IntelliStart
1 = Hot Water Generator with external factory pump, No IntelliStart
3 = No Hot Water, IntelliStart
4 = Hot Water Generator with external factory pump, IntelliStart

*Coax Options
C = Copper
N = Cupronickel

Blower Motor Options
N = None

Capacities
Dual = 026, 038, 049, 064

*Select desired options to create specific model number.

GE Outdoor Split Heat Pumps

|1|2|3|4|5|6|7|8|9|10|11|12|13|14|
|T|2|G|E|0|2|6|N|N|R|1|0|C|A|

Brand
T = Trane

Compressor Type
2 = Two Stage Compressor

Product Category
G = Geothermal

Product Type
E = Premium Split System Exterior Grade

Nominal BTU's
Thousands of BTU's

Discharge Air Configuration
N = None

Return Air Configuration
N = None

Heating and/or Cooling
R = Heating and Cooling

Voltage/Frequency/Phases
1 = 208-230/60/1

*Hot Water Options
0 = No Hot Water, No IntelliStart
3 = No Hot Water, IntelliStart

*Coax Options
C = Copper
N = Cupronickel

Flow Center Options
A = One Pump Flow Center
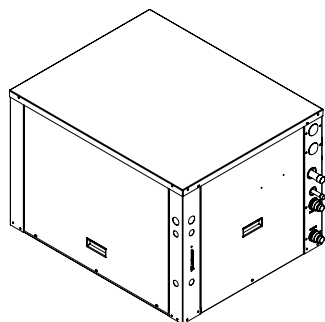B = Two Pump Flow Center

Capacities
Dual = 026, 038, 049, 064

*Select desired options to create specific model number.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-15

Effective 1/1/17
22-8301-30

![Trane logo]

It's Hard To Stop A Trane.®

Split Heat Pump Units

- Extended range operation (20-120˚F EWT)
- Earth friendly R-410A refrigerant
- Dual capacity scroll compressor
- Premier 2 microprocessor based controls with fault Indicator Lights
- Expansion valve
- 1" Swivel fittings

- Special gray powder coated heavy gauge galvanized cabinet
- Accumulator on all models
- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- **10-year parts and 5-year labor allowance**

Table GEO-16-A — 2GN Indoor Split Heat Pumps

Unit Model No.	Power Supply Volts/Hz/Phase	Norminal Cooling Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	Refrigerant Suction Line ①	Refrigerant Liquid Line ①	Min Circ Amp	Max Fuse
T2GN026	208-230/60/1	26,200	19.5x22.5x26.5	209	$5/8$	$3/8$	19.9	30
T2GN038	208-230/60/1	35,000	21.25x25.5x31.5	256	$3/4$	$3/8$	24.4	40
T2GN049	208-230/60/1	47,700	21.25x25.5x31.5	270	$3/4$	$3/8$	31.8	50
T2GN064	208-230/60/1	59,100	21.25x25.5x31.5	291	$7/8$	$1/2$	39.3	70

① 20' Line Set Length. Consult Guide for other lengths.
* For models not listed and unit details, please refer to the Geothermal Indoor Split Heat Pump Product Data publication.
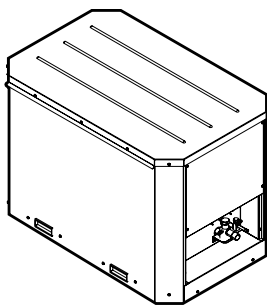
Table GEO-16-B — Optional Accessories

Model Number	Description	Used With
Air Pads		
AP32	AP= High density plastic	026, 038, 049, 064
APF2634	APF= 2" PEX foam, cutable	026, 038, 049, 064
Thermostats (All Controls- 3H, 2C, Dual Fuel Compatible)		
TZONE950AC52ZA	950 Premium Control (Requires Relay Panel)	
BAY24VRPAC52DA	24 Volt Interface Relay Panel for 950 Control	
TCONT402AN32DA	Non-Programmable Comfort Control	
TCONT824AS42DA	24 Volt Color Touchscreen Control	

Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-16

Effective 1/1/17
22-8301-30

Split Heat Pump Units

- Extended range operation (20-120°F EWT)
- Earth Friendly R-410A Refrigerant
- Rated for outdoor installation
- Premier 2 microprocessor based controls with fault indicator lights
- Climatuff® 2 stage scroll compressor
- Expansion valve
- Gray powder coated heavy gauge galvanized cabinet

- Accumulator on all models
- Factory computer run test
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- Internally mounted flow center in cabinet (factory installed)
- **10-year parts and 5-year labor allowance**

Geothermal

Table GEO-17-A — 2GE Outdoor Split Heat Pumps

Unit Model No.	Power Supply Volts/Hz/Phase	Norminal Cooling Capacity (Btuh)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	Refrigerant Suction Line ①	Refrigerant Liquid Line ①	Min Circ Amp	Max Fuse
T2GE026	208-230/60/1	26,200	26.7x36.0x23.9	209	$^5/_8$	$^3/_8$	17	25
T2GE038	208-230/60/1	35,000	26.7x36.0x23.9	256	$^3/_4$	$^3/_8$	23.4	40
T2GE049	208-230/60/1	47,700	26.7x36.0x23.9	270	$^3/_4$	$^3/_8$	27.9	50
T2GE064	208-230/60/1	59,100	26.7x36.0x23.9	291	$^7/_8$	$^1/_2$	32.4	60

① 20' Line Set Length. Consult Guide for other lengths.
* For models not listed and unit details, please refer to the Geothermal/Water Source Outdoor Split Heat Pump Product Data publication.

Table GEO-17-B — Optional Accessories

Model Number	Description	All GE Unit Sizes
Mounting Pad		
AP3042	Bramec III, 6"x 6" modular construction	
Thermostats (All Controls- 3H, 2C, Dual Fuel Compatible)		
TZONE950AC52ZA	950 Premium Control (Requires Relay Panel)	
BAY24VRPAC52DA	24 Volt Interface Relay Panel for 950 Control	
TCONT402AN32DA	Non-Programmable Comfort Control	
TCONT824AS42DA	24 Volt Color Touchscreen Control	

Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-17

Effective 1/1/17
22-8301-30

Air Handlers and Coils

Geothermal

TAMG Air Handler

```
1  2  3  4  5  6  7  8  9 10 11 12 13 14
T  A  M  G  B  0  C  3  6  V  3  1  D  A
```

Brand
T = EnviroWise™

Product Type
A = Air Handler

Convertability
M = Multi-poise 4-way

Product Tier
G = Best, Geothermal

Major Design Change
B = Current

No Descriptor
0 = Air Handler / Coil

Size (Footprint)
A = 17.5 x 21.5
B = 21.0 x 21.5
C = 23.5 x 21.5

Cooling Size: Air Handler or Coil
0-9 = AH Coil - 1000 BTU's (24, 36, 48, 60)

Airflow Type & Capability
V = High Effy Variable, 1-5 - nom. Tonnage (cfm/ton)

Power Supply
1 = 208-230/1/60

System Control Type
D = Dual (24 VAC / CLII 13.8 VDC) Epoxy Coated

Minor Design Change

GCX Coils

```
1  2  3  4  5  6  7  8  9 10 11 12 13 14
T  G  C  X  C  R  0  2  6  A  M  A  A  *
```

Brand

Product Category
G = Geothermal

Product Type
C = Split System Dual Fuel Coil

Coil Design
X = Direct Expansion
    Evaporator Coil TXV Included

Coil Cabinet
C = Cabinet Encased
U = Uncased

Model Type
R = Refrigerant Coil
H = Hydronic Coil

Nominal Coil Capacity

Refrigerant Models	Recommended Airflow CFM
026 M bthu	800-980
036 M bthu	1225
048 M bthu	1425-1625
060 M bthu	1760

Hydronic Models	
060 M bthu	1760

Coil Width
A = 20.8" / 20.0"

Airflow Configuration
Cased = Multi-poise
Uncased = Multi-poise

Series
A = Current

Vintage
A = Current

Minor Design Change - not orderable

Hydronic Air Handler

```
1  2  3  4  5  6  7  8  9 10 11 12 13 14
T  G  A  2  6  H  0  0  0  1  1  M  S  A
```

Brand

Product Category
G = Geothermal

Product Type
A = Split System Air Handler

Unit Capacity

Hydronic Models	Recommended Airflow CFM
26 = 026 M bthu	925
36 = 036 M bthu	1225
48 = 048 M bthu	1625
60 = 060 M bthu	1625

Air Coil Type
H = Hydronic

Electric Heat
00 = No Electric Heat
05 = 05 kW
10 = 10 kW
15 = 15 kW
20 = 20 kW

Disconnect
0 = No Breaker Installed

Motor/Blower
1 = ECM Available Only

Power Supply
1 = 208-230/1/60

Applications
M = Multi-Poise
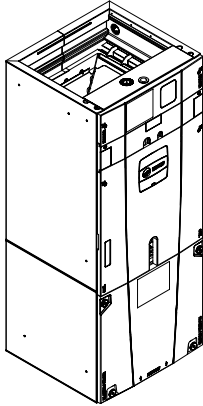042-060 Downflow Application Only Requires Kit NAHBC

System Control Type
S = Standard - 24 VAC

Series
A = Current

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

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Split Air Handlers

- Unique cabinet design
  – 2% or less air leakage
  – Double wall foamed cabinet system
  – ≥ R-4.2 insulating value (Avg. Insulating Value R-8.2)
  – No loose fiber design
  – Smooth cleanable interior design
  – Sweat eliminating design
  – Composite foamed cabinet doors
  – Water proof cabinet design
  – Integrated horizontal drain pans
  – Modular cabinet
- Control board protection pocket built into cabinet wall
- Epoxy coated coil

- Multi-position up/down flow horizontal left/right
- Variable speed ECM motor
- Electronic Expansion Valve (EEV)
- Aluminum coil with integrated slide deck for easy removal and polarized plug connections on coil EEV
- Molded in 1" standard filter rail
- Alert port to view control board codes without door removal
- **Vortica®** blower with polarized plug connections and integrated slide deck for easy removal.
- **10-year parts warranty registered**
- **No labor warranty. Extended Labor Warranty packages available**

Table GEO-19-A — TAMG Variable Speed R-410A 200-230/1/60

Unit Model No.	Cooling Capacity (Btuh)	Dimensions (in.) H x W x D	Shipping Weight (lbs.)	Supply Opening	Return Opening	Filter Sizes	Line Size Gas	Line Size Liquid
TAMGB0A24V21DA	24000	49.9x 17.5x 21.8	126	14.5x 14.35	14.5x 17.15	16x20x1	$^3/_4$	$^3/_8$
TAMGB0C36V31DA	36000	56.9x 23.5x 21.8	157	20.5x 14.35	20.5x 17.15	22x20x1	$^7/_8$	$^3/_8$
TAMGB0C48V41DA	48000	61.7x 23.5x 21.8	174	20.5x 14.35	20.5x 17.15	22x20x1	$^7/_8$	$^3/_8$
TAMGB0C60V51DA	60000	61.7x 23.5x 21.8	175	20.5x 14.35	20.5x 17.15	22x20x1	$^7/_8$	$^3/_8$

Table GEO-19-B — Optional Accessories

Model Number	Description	Used With
BAYEAAC05BK1AB	5 kW (16400 BTU) electric heater, breakers	TAMGB0A24-C60
BAYEAAC08BK1AB	8 kW (26200 BTU) electric heater, breakers	TAMGB0A24-C60
BAYEAAC10BK1AB	10 kW (32800 BTU) electric heater, breakers	TAMGB0A24-C60
BAYEABC15BK1AB	15 kW (49200 BTU) electric heater, breakers	TAMGB0C36-C60
BAYEABC20BK1AA	20 kW (65600 BTU) electric heater, breakers	TAMGB0C36-C60
BAYWAAA05SC1AA	50,000 BTUH, hydronic heater, for A① cabinet	TAMGB0A24
BAYWACC08SC1AA	80,000 BTUH, hydronic heater, for C① cabinet	TAMGB0C36-C60
BAYWACC11SC1AA	100,000 BTUH, hydronic heater, for C cabinet	TAMGB0C60
BAYSUPFLGAA	Supply Duct Flange A cabinet	TAMGB0A24
BAYSUPFLGCA	Supply Duct Flange C cabinet	TAMGB0C36-C60
BAYRETFLGAA	Return Duct Flange A cabinet	TAMGB0A24
BAYRETFLGCA	Return Duct Flange C cabinet	TAMGB0C36-C60
TASB175SB②④	Plenum Stand with Integrated Sound Baffle A cabinet	TAMGB0A24
TASB235SB②④	Plenum Stand with Integrated Sound Baffle C cabinet	TAMGB0C36-C60
MTISRKIT1620②	Side Return Kit with 16"x20" Filter	TAMGB0A24-C60
TASSBK175②③	Sound Baffle Kit 17.5" Cabinet	TAMGB0A24
TASSBK235②③	Sound Baffle Kit 23.5" Cabinet	TAMGB0C36-C60
BAYSPEKT200	Single Power Entry Kit	TAMGB0A24-C60
BAYSRKIT100	Side Return Kit	TAMGB0A24-C60
BAYICSKIT01	Internal Condensate Switch Kit	TAMGB0A24-C60
BAYHHKIT001	Horizontal Hanger Kit	TAMGB0A24-C60
BAYUVCLK001	UVC Lights	TAMGB0A24-C60
BAYLVKIT100	Low Voltage Conduit Entry Kit	TAMGB0A24-C60

① A Cabinet is 17.5" wide and C Cabinet is 23.5" wide.
② Contact your distributor for information.
③ In return plenum applications, use TASSBK kits for sound reduction.
④ In open air applications, Plenum Stand with Sound Baffle provides sound reduction.

Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.

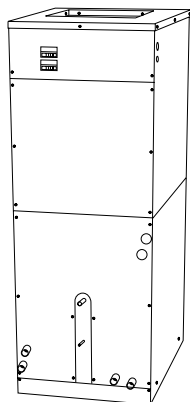For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-19

Effective 4/15/17
22-8301-30

Heaters - Split Air Handlers

Table GEO-20-A — Heaters

AIR HANDLER	HEATER MODEL NUMBER BAYEA-					
MODEL NUMBER	AC05BK1BA 4.80 Kw BK	AC08BK1BA 7.68 Kw BK	AC10BK1BA 9.60 Kw BK	BC15BK1BA 14.40 Kw BK	BC20BK1BA 19.20 Kw BK	CC25BK1BA 24.00 Kw BK
TAMGB0A24V21DA	Y	Y	Y	—	—	—
TAMGB0C36V31DA	Y	Y	Y	Y	Y	—
TAMGB0C48V41DA	Y	Y	Y	Y	Y	Y
TAMGB0C60V51DA	Y	Y	Y	Y	Y	Y

Hydronic Air Handlers

- Heavy guage galvanized steel with metallic silver powder coat finish
- Full interior cabinet insulated with 1/2" foil lined acoustic fiber insulation
- Multi-Poise configuration
- 2-Piece separatable cabinet for ease of installation
- Slide out blower assembly

- Full ECM motor
- 1" Filter rack with MERV 4 filtler included
- Two stainless steel drain pans
- Hydronic "A" coil option
- ARI/ASHRAE/ISO 13256-1 performance certified and UL/ETL safety listed
- **10-year parts and 10-year labor allowance**

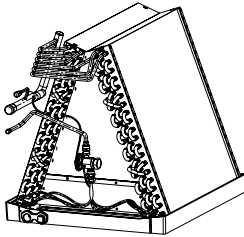**Table GEO-20-B — GA Hydronic Air Handlers**

Unit Model No.	Power Supply Volts/Hz/Phase	Rated Airflow (CFM)	Dimensions (in.) H x W x L	Shipping Weight (lbs.)	Supply Opening (DxH)	Return Opening (DxH)	Filter Size	Water Inlet/ Outlet Size	Min Circ Amp	Max Fuse
TGA26H	208-230/60/1	925	57.3x21.0x26.1	220	18x18	17x22	20x24	$^7/_8$	5	10
TGA36H	208-230/60/1	1225	57.3x21.0x26.1	220	18x18	17x22	20x24	$^7/_8$	5	10
TGA48H	208-230/60/1	1625	57.3x21.0x26.1	220	18x18	17x22	20x24	$^7/_8$	8.8	15
TGA60H	208-230/60/1	1760	57.3x21.0x26.1	220	18x18	17x22	20x24	$^7/_8$	8.8	15

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-20

Effective 4/15/17
22-8301-30

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GCX - Coils

- "A" Coil Design
- Electro-Coated Coil
- Copper Tube/ Aluminum Fin Design
- Factory Configured for Upflow and Horizontal Left

- Field Configurable for Downflow or Horizontal Right
- Factory Installed TXV
- Sweat Connections
- Condensate Drain Pan Included

Table GEO-21-A — Common Model Configurations

Unit Model No. Cased Coil	Unit Model No. Matched Heat Pump	Recommended Airflow (CFM)	Cased Cabinet Dimensions (in.) H x W x D	Supply Connection Width/ Depth	Uncased Dimensions (in.) H x W x D	Shipping Weight (lbs.)	Hydronic Connection In/Out	Condensate Drain Connection, FTP
TGCXCR026	T2GN/GE026	925	29.1x20.8x26.0	19.0/24.1	20.7x20.0x24.9	100	N/A	$^3/_4$
TGCXCR036	T2GN/GE038	1225	29.1x20.8x26.0	19.0/24.1	20.7x20.0x24.9	100	N/A	$^3/_4$
TGCXCR048	T2GN/GE049	1625	29.1x20.8x26.0	19.0/24.1	20.7x20.0x24.9	100	N/A	$^3/_4$
TGCXCR060	T2GN/GE064	1760	29.1x20.8x26.0	19.0/24.1	20.7x20.0x24.9	100	N/A	$^3/_4$
TGCXCR060	T2GN/GE072	1760	29.1x20.8x26.0	19.0/24.1	20.7x20.0x24.9	100	N/A	$^3/_4$
TGCXCH060	T2GN/GE064	1760	N/A	19.0/24.1	25.2x20.0x24.9	100	$^7/_8$	$^3/_4$

Models listed are representative ONLY. Please refer to model nomenclature for product line configuration.

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GEO-21

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22-8301-30

Standard Accessories

Geothermal

Table GEO-22-A — Accessories

Model Number	Description
GL Flow Centers and Accessories	
Pre-assembled with pump(s), 3-way valves with flush ports, internal components injected with foam. Horizontal or vertical mounting capability. GL features a Die Cast Brass valve and pump volute, high-impact polystyrene cabinet, GL5PES, and uses GeoLink Connection Kits.	
FC1-GL	1 Grundfos Pump
FC2-GL	2 Grundfos Pumps
2 Brass adapters with P/T plugs for unit connection, 10' reinforced 1" rubber hose for unit to flow center and two 1" GL x 1" hose barb for flow center connection.	
CK4L-GLI	Unit Connection Kit 1" GL x 1" Insert
Rubber Hose	
1" rubber hose for connection from unit to flow center.	
RH550	50' of 1" Rubber Hose
Geo Storage Tank	
Use with Hot Water Generator Option or Hydronic Storage.	
GEO-STORAGE- 80	$63^{1}/_{4}$ x 24
GEO-STORAGE-120	$63^{1}/_{4}$ x 28
Loop Expansion Tank	
LET	$1^{1}/_{4}$ Socket Fusion, $^{3}/_{4}$ Gallon Capacity
Anti-Freeze	
EN2-D	55 Gallon Drum - Environol 2000 Pure
EN2-P	5 Gallon Pail - Environol 2000 Pure (minimum order quantity for EN2-P is 5 pails.)
IntelliZone2-24V with Master Stat 4 Zone Control - with Cabinet and 10' Blower Wiring Harness	
IntelliZone2-24V	Non communicating Zone system that operates on typical 24VAC outputs. Multiple level zone calls communicate exact zone load requirements. Controls up to 4 zones w/dual capacity compressor, and 2 w/single-speed compressor. Zone sizes as small as 25% of whole house. Individual zone selectable economy or comfort mode. Seperate staging options for heating and cooling. Kit includes - IntelliZone2-24V conversion board, IntelliZone2 relay board, Communicating MasterStat and outdoor temperature sensor.
ZoneStat	Zone Thermostat
SensorStat	Zone Sensor Thermostat
Z2TK	Zone Transformer Kit - 208/240V - 24V
Earth Loop Flushing System①	
High volume, high head, self-priming pump. Quick connect hoses. Heavy duty design. Mounted on a cart. All pipe is schedule 80 polypropolene.	
LFC-F	
GL-FP	1" Cam Lever Male Elbow for Flush Port.
Adapter Sets	
2 pcs. included in each set.	
92B025-99	Unit Connector Insulation Kit.
GLGH	Garden Hose Adapter for Loop Pump Replacement.
Service Tool Kit	
Includes 0-100 PSI Pressure Gauge, Pressure Gauge to PT Port Adapter, Digital Thermometer, Loop Pressurizer, Alcohol Specific Gravity Hygrometer.	
GEOTHERMAL-STK	99P247A01, LP1, CAMT, 11P538A01, 11P538A02 (Includes DPT160, PG100, GA125)
IntelliStart Kit	
Soft start retrofit kit, reduces locked rotor amps, reduces light flicker, compressor voltage protection	
IS60RKS	Up to 2.5 Ton Unit
IS60RKL	3 Ton and Larger

For complete equipment / combination selections, installation instructions and warranty information, please refer to Product Data/Ratings and/or Installers Guides and Limited Warranty Handbooks.

GEO-22

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