

GeoMax2

HTS Series Split System, Two Stage

The HTS Series combines the advantages of split system design with two stage efficiency. Far exceeding ASHRAE 90.1 efficiencies, the unit runs at 67% capacity most of the time to maintain a constant temperature and humidity level. When there's a demand for greater heating or cooling, such as during weather extremes, the unit instantly shifts to 100% capacity. Comfort is increased and operating costs lowered through this part load and full load capacity shifting.

The split system design is ideal for compact spaces such as attics or crawl spaces. Compact cabinets can be stacked for multi-unit installations. Coupled with an air handler or add-on furnace coil, the split system also offers the flexibility of an all-electric or dual fuel system. All models use environmentally friendly R-410A.

FEATURES

- **Quiet Operation**—Double isolation compressor mounting system and vibration isolation springs reduce sound attenuation; insulated divider and separate compressor and air handler compartments also reduce operational sound
- **Easy Installation/Service**—Back-seating service valves included; panels on three sides are easily removed for access to components
- **Extended Operating Range**—20° - 120°F range makes units suitable for virtually all applications and climates
- **Two Stage Compressor**—Copeland multi-stage scroll compressor provides steady comfort at higher efficiencies than single stage models
- **Microprocessor Controls**—Solid state controls include performance monitoring system that signals a potential problem before a lockout occurs
- **Standard Features**—Units come equipped with hot water generator with built-in pump and CuNi coil



2 to 5 Tons

Outstanding Warranty Coverage—12 years on compressor, 6 years on parts (see printed warranty for details)



All models 208-230V/60/1

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.

Heating capacities based upon 68°F DB, 59°F WB entering air temperature.

All ratings based on 208V operation.

Model	Capacity Modulation	Nom. Cap. BTUH	Nom. CFM Air Handler	Dimensions H x W x D (in.)	Shipping Wt. (lbs)
HTS024	Full	24,000	800	19.3 x 22.4 x 25.6	220
	Part	18,000			
HTS036	Full	36,000	1200	19.3 x 22.4 x 25.6	235
	Part	30,000			
HTS048	Full	48,000	1600	21.3 x 25.4 x 30.6	260
	Part	40,000			
HTS060	Full	60,000	2000	21.3 x 25.4 x 30.6	285
	Part	54,000			

NOTE: The TXVs on our 13 SEER air handlers have a built-in check valve, making them suitable for use with the HTS models (match nominal size to nominal size).

HEAT CONTROLLER, INC.

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THE QUALITY LEADER IN CONDITIONING AIR

Geothermal Heat Pumps

Two stage models offer exceptional energy efficiency and quiet operation

The GeoMax 2 is one of the most efficient heating and cooling systems available, far exceeding ASHRAE 90.1 efficiencies. The two-stage design allows the unit to run at 67% capacity most of the time to maintain a consistent temperature and humidity level. When there's a demand for greater heating/cooling, such as during weather extremes, the unit instantly shifts to 100% capacity. This part load and full load capacity significantly lowers annual operating costs while increasing comfort.

The HTV system uses environmentally friendly R-410A.

FEATURES

- **Quiet Operation**—Double isolation compressor mounting system and vibration isolation springs sound attenuation; insulated divider and separate compressor and air handler compartments also reduce operational sound
- **Easy Installation/Service**—Service valves included; three panels are easily removed for access to components
- **Extended Operating Range**—20° - 120°F range makes units suitable for virtually all applications and climates
- **Variable Speed Blower Motor**—Automatically adapts to all applications; provides a multitude of operational modes that maximize comfort and efficiency
- **Two Stage Compressor**—Copeland multi-stage scroll compressor provides comfort at higher efficiencies than single stage models
- **Microprocessor Controls**—Includes performance monitoring system to signal a potential problem before a lockout occurs
- **Durable Cabinet**—G90 galvanized steel has a tough epoxy finish; drain pan is stainless steel; air coils are coated
- **Standard Features**—Hot water generator with built-in pump and CuNi coil add value and efficiency

GeoMax2



2 to 5 Tons

Outstanding Warranty Coverage—12 years on compressor, 6 years on parts (see printed warranty for details)



All models 208-230V/60/1

Model	Capacity Modulation	Ground Water—BTUH				Ground Loop—BTUH				Ship Wt. (lbs)
		Cooling Water 59 °F		Heating Water 50°F		Cooling Full Load 77°F Part Load 68°F		Heating Full Load 32°F Part Load 41°F		
		BTUH	EER	BTUH	COP	BTUH	EER	BTUH	COP	
HTV024	Full	28,800	22.7	25,550	4.4	26,550	17.1	19,750	3.7	276
	Part	22,100	28.5	18,450	4.7	21,250	24.1	16,450	4.3	276
HTV036	Full	41,100	21.3	36,550	4.3	38,150	16.9	29,950	3.7	337
	Part	30,100	29.1	24,650	4.8	28,850	25.0	22,050	4.2	337
HTV048	Full	54,500	20.9	48,150	4.3	50,550	16.6	37,450	3.7	426
	Part	40,600	26.5	35,250	4.7	39,550	23.0	31,150	4.2	426
HTV060	Full	68,500	20.3	59,450	4.1	64,750	16.2	48,950	3.6	453
	Part	51,800	27.5	41,650	4.4	49,750	23.4	37,400	4.3	453

Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature. Heating capacities based upon 68°F DB, 59°F WB entering air temperature.

All rating based on 208V operation.

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