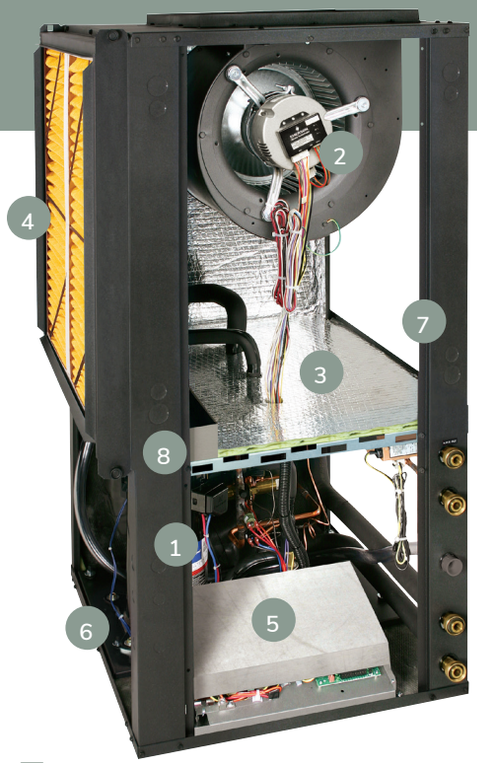
TRANQUILITY® 20 SINGLE-STAGE (TS)

The Tranquility 20 series utilizes EarthPure HFC-410A refrigerant along with advanced scroll compressor technology and micrprocrocessor controls that allw the Tranquility 20 to operate at the most efficient level for all weather conditions.

The Tranquility 20 Series was designed for both new construction and retrofit applications. the narrow cabinet was designed for easy movement through doorways, crawl spaces, and atticaccess.

At 20 EER, the Tranquility 20 has some of the industries highest single stage efficiency ratings.*

*Rated at groud loop conditions ISO 13256-1



iGate2
REMOTE DIAGNOSTICS. SERVICE SIMPLIFIED.

EarthPure® HFC410A

Features

1. Exclusive iGate 2 uses the power of 2-way communication to monitor, control and diagnose your system. It improves system life by monitoring and protecting the unit and delivers high efficiency by intelligently controlling the unit.
2. Copeland™ high efficiency scroll compressor
3. ECM fan motor adapts to various duct systems
4. Foil faced insulation in the blower section and fully insulated compressor section
5. Two inch filter frame with high performance MERV 11 pleated air filter
6. Unit Performance Sentinel: Automatic alert system lets you know if the system is not running at peak performance*
7. Dual level compressor isolation for ultra quiet operation
8. Five easy, lift-out service access panels with stainless steel front panels
9. Stainless steel drain pan for long life

*When installed with a ClimateMaster residential thermostat

Application Flexibility

- Eight capacities 018, 024, 030, 036, 042, 048, 060, and 070
- iGate 2 - Monitor, control and diagnose remotely from any smart phone or internet connected device
- Single-stage upflow, downflow, and horizontal right or left return
- Extended range operation, (20-120°F EWT) and flow rates as low as 1.5 gpm per ton
- Internal electric heat unit (optional) designed for easy field installation
- Circuit breaker protected loop and hot water generator pumps
- Field selectable low-temperature protection setting for GWPH or GLHP
- Among the highest efficiencies in AHRI/ISO/ASHRAE/ ANSI 13256-1 single stage ratings for heating COP's and cooling EER's with low water flow rates
- Exceeds ASHRAE 90.1 and Energy Star 3.0 efficiencies
- Standard 10-year limited waranty on all parts with a 5-year labor allowance; optional additional extended 5-year limited labor allowaaance available

Tranquility® 22 Digital (TS)

Performance and Specifications

Tranquility® TS ISO Ratings

AHRI/ISO/ASHRAE 13256-1 Data (English (IP) Units)

Model	Fan Motor	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
		Cooling 86°F		Heating 68°F		Cooling 59°F		Heating 50°F		Cooling 77°F		Heating 32°F	
		Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
TS018	ECM	19,200	16.5	23,300	5.9	22,100	26.3	18,900	4.9	20,200	19.4	14,500	3.9
TS024	ECM	23,900	17.9	30,400	6.1	26,900	26.9	23,800	5.2	25,500	20.9	19,100	4.2
TS030	ECM	28,000	17.3	35,100	5.8	30,800	26.7	28,000	4.9	29,200	19.4	22,000	4.1
TS036	ECM	33,500	18.1	39,900	5.9	35,400	24.9	32,600	4.9	34,600	20.4	25,600	4.3
TS042	ECM	39,400	19.6	45,100	6.0	44,400	29.5	35,200	5.2	40,700	21.9	27,400	4.1
TS048	ECM	48,900	17.2	57,700	5.2	53,700	23.9	45,700	4.4	50,600	18.8	36,100	3.7
TS060	ECM	63,200	17.2	73,200	5.4	68,900	24.9	58,200	4.6	64,400	18.4	46,400	3.9
TS070	ECM	71,100	15.7	82,000	4.8	78,100	23.0	65,200	4.1	73,000	17.2	53,000	3.6

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 upon operation at lower voltage of dual voltage rated models

Dimensional Data

Vertical Upflow Model		Overall Cabinet		
		*A Width	B Depth	C Height
018	in	22.4	25.6	44.6
	cm	56.8	65.1	123.2
024 - 030	in	22.4	25.6	48.5
	cm	56.8	65.1	123.2
036	in	25.4	30.6	50.5
	cm	64.5	77.8	128.3
042 - 048	in	25.4	30.6	54.5
	cm	64.5	77.8	138.4
060 - 070	in	25.4	30.6	58.5
	cm	64.5	77.8	148.6

* Add 3" (7.6 cm) for the factory provided 2" air filter support.

Vertical Downflow Model		Overall Cabinet		
		*A Width	B Depth	C Height
018	in	22.4	25.6	48.6
	cm	56.8	65.1	123.4
024 - 030	in	22.4	25.6	52.5
	cm	56.8	65.1	133.4
036	in	25.4	30.6	54.5
	cm	64.5	77.8	138.4
042 - 048	in	25.4	30.6	58.5
	cm	64.5	77.8	148.6
060 - 070	in	25.4	30.6	62.5
	cm	64.5	77.8	158.8

* Add 3" (7.6 cm) for the factory provided 2" air filter support.

Horizontal Model		Overall Cabinet		
		*A Width	B Depth	C Height
018	in	22.4	62.2	19.3
	cm	56.8	158.0	48.9
024 - 030	in	22.4	62.2	19.3
	cm	56.8	158.0	48.9
036	in	25.4	71.2	21.3
	cm	64.5	180.8	54.0
042 - 048	in	25.4	76.2	21.3
	cm	64.5	193.5	54.0
060 - 070	in	25.4	81.2	21.3
	cm	64.5	206.2	54.0

* Add 3" (7.6 cm) for the factory provided 2" air filter support.

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Engineered and Assembled in the USA

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