



2010
WATER-SOURCE HEAT PUMPS

THE CLIMATEMASTER

PACKAGED UNITS



TRANQUILITY 27® TWO-STAGE (TT) SERIES

- Two to six ton units
- 27 EER
- EarthPure® (HFC-410A) refrigerant
- Two-stage compressor
- Exceeds ASHRAE 90.1
- Variable speed ECM fan motor
- Horizontal, vertical, and downflow units



TRANQUILITY 20 SINGLE-STAGE (TS) SERIES

- One half to six ton units
- 20 EER
- EarthPure® (HFC-410A) refrigerant
- Single-stage compressor
- Efficiencies exceed ASHRAE 90.1
- PSC or variable speed ECM fan motor
- Horizontal, vertical, and downflow units



TRANQUILITY 16 COMPACT (TC) SERIES

- One-half to five ton units
- 16 EER
- EarthPure® (HFC-410A) refrigerant
- Copeland scroll compressors (size 018 and above)
- Exceeds ASHRAE 90.1 efficiencies
- Horizontal and vertical units



TRANQUILITY HIGH EFFICIENCY (TR) SERIES

- One-half to five ton units
- Exceeds ASHRAE 90.1 efficiencies
- EarthPure® (HFC-410A) refrigerant
- PSC three-speed fan motor
- Horizontal and vertical units



TRANQUILITY COMPACT (TCH) SERIES

- Horizontal six to ten ton units
- Dual refrigeration circuits
- Exceeds ASHRAE 90.1 efficiencies
- EarthPure® (HFC-410A) refrigerant
- TXV metering device
- Extended range operation



CONSOLE UNIT



TRANQUILITY CONSOLE (TRC) SERIES

- Three-quarter to one-and-one half ton units
- EarthPure® (HFC-410A) refrigerant
- High efficiency rotary compressors
- Exceeds ASHRAE 90.1 efficiencies
- Two-piece chassis/cabinet design

WATER-TO-WATER UNITS



TRANQUILITY MODULAR WATER-TO-WATER (TMW) SERIES

- Three to twenty eight ton units
- EarthPure® (HFC-410A) refrigerant
- Copeland scroll compressor(s)
- Dual independent refrigeration circuits (TMW120 and 340)

FAMILY OF PRODUCTS

ROOFTOP UNIT



TRANQUILITY ROOFTOP (TRE) SERIES

- Three to twenty ton units
- EarthPure® (HFC-410A) refrigerant
- Exceeds ASHRAE 90.1 efficiencies
- Microprocessor controls standard
- Extended range operation standard
- Eight Safeties standard
- Rx ERV option handles up to 100% outside air

ENERGY RECOVERY VENTILATORS



Rx ENERGY RECOVERY (ERV) MODULE

- Sizes 1,000 thru 10,000 CFM of outdoor air mixed with return air or up to 100% outside air
- All of the features of the TRE series PLUS energy recovery
- 20+ (Combined) EER substantially reduces the cost of preconditioning outside air

VERTICAL STACK UNIT



TRANQUILITY VERTICAL STACK (TRM) SERIES

- Three-quarter to three ton units
- Vertical Hi-Rise Stack Units
- EarthPure® (HFC-410A) refrigerant
- High efficiency rotary and scroll compressors
- Exceeds ASHRAE 90.1 efficiencies
- Removable chassis



TRANQUILITY LARGE UNIT



TRANQUILITY LARGE (TL) SERIES

- Vertical sizes seven to twenty five ton units
- Field convertible air flow pattern
- Field convertible electrical panel and water connection locations
- EarthPure® (HFC-410A) refrigerant
- Dual refrigeration circuits (TL168, 192, 240, 300)
- Exceeds ASHRAE 90.1 efficiencies
- Extended range operation
- Microprocessor controls standard
- LonWorks, BACnet, Modbus and Johnson N2 compatibility options for DDC controls

OUTDOOR AIR UNITS



TRANQUILITY (TOV) SERIES

- Four to thirty ton units
- Vertical dedicated outdoor air systems
- Raised lance fins, rifled tubes maximize moisture removal efficiency
- Sized for neutral LAT (65 to 80°F, 18 to 27°C) with $\pm 2.0^\circ\text{F}$ ($\pm 1^\circ\text{C}$)



TRANQUILITY (TOH) SERIES

- Three to one hundred ton units
- Horizontal dedicated outdoor air systems
- Raised lance fins, rifled tubes maximize moisture removal efficiency
- Sized for neutral LAT (65 to 80°F, 18 to 27°C) with $\pm 2.0^\circ\text{F}$ ($\pm 1^\circ\text{C}$)



UNIT FEATURES

Product Series		Standard Features										Factory Installed Options															
		EarthPure® (HFC-410A) Refrigerant	Microprocessor CXM Controls*	Standard Range	Copper Water Coil**	TXV	Dual Level Compressor Vibration Isolation	Field Convertible Discharge (Horizontal Units)	Multiple Access Panels for Installation and Service Ease	Scroll Compressors	Factory Installed Hanger Brackets (Horizontal Units)	Remote Reset at Thermostat	Condensate Overflow Protection	Cupro-Nickel Coil	High Static Blower	UltraQuiet (Mute) Package	Extended Range (20 to 120°F) †	Auto-Flow Water Regulation	Two-Way Control Valve	Downflow Configuration	Desuperheater Coil	DDC Controller	Deluxe DXM Controller	E-Coated Air Coil	Internal Secondary Pump	ECM Fan***	ClimaDry Reheat
	Tranquility 27® Two-Stage (TT)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Tranquility 20 Single-Stage (TS)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	TranquilityHigh Efficiency (TR)	•	•	•	•	•	•	•	a	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Tranquility 16 Compact (TC)	•	•	•	•	•	•	•	a	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Tranquility Vertical Stack (TRM)	•	•	•	•	•	•	•	a	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Tranquility Console (TRC)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Tranquility Compact (TCH)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Tranquility Large (TL)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	c
	Tranquility Water-to-Water (TMW)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	b	•	•	•	•	•	•	•	•
	Rooftop (TRE)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rx Energy Recovery Ventilator (ERV)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Vertical Dedicated Outdoor Air (TO)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	†	•	•	•	•	•	•	•	•	•	•	•
	Horizontal Dedicated Outdoor Air (TO)	•	•	•	•	•	•	•	•	•	•	•	•	•	•	†	•	•	•	•	•	•	•	•	•	•	•

* Standard control for TO Series is DDC with modulating HGR.

** Standard water coil construction for TO Series is stainless steel.

*** Standard on TT Series

† Standard on TMW Series

† Extended Range = 35°F–95°F EWT

a Sizes 024 and above

b Sizes 036 - 120

c Vertical series only



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