



# Tranquility® Rooftop (TRE) Series

Models TRE036 - 240 60Hz - HFC - 410A

The Rooftop (TRE) Series provides an economical solution for today's HVAC challenges. The TRE product line offers the option of introducing a fixed amount of outside air year-round or a modulating Economizer to provide free cooling when outdoor conditions are favorable. TRE units are designed for an extended range of source water temperatures, making it suitable for closed-loop, or ground source closed-loop systems. With high efficiency scroll compressors and belt drive motors, the TRE product line offers 13+ EER and 4+ COP. Also available is an optional Unitized Energy Recovery Ventilator for outside air.

## Advantages of the Rooftop TRE Series:

### Standard Features:

- All sizes exceed ASHRAE 90.1 efficiencies
- EarthPure® (HFC-410A) zero ozone depletion refrigerant
- Galvanized steel construction and powder coat paint on all units
- Copeland Scroll compressors (dual circuited on sizes 096 and larger)
- CXM2 controls standard
- Bi-directional, balanced port expansion valve refrigerant metering device standard
- Extended range operation package standard
- Communicating CXM2 controls for reduced start-up, commissioning, and service time including remote access and diagnosis

### Configurable Options:

- Handles up to 100% outside air when used with Rx ERV unit
- Optional ClimaDry® modulating dedicated dehumidification mode
- Double wall construction for access doors and non-corrosive hardware
- Belt-drive blowers with various configurations for RPM/ESP settings
- High/low pressure switches and electronic condensate overflow sensor standard
- Eight safeties standard
- Curb options include knock down, welded, and vibration isolation
- MPC controls for interfacing with building management system
- Communicating DXM2.5 controls for reduced start-up, commissioning, and service time including remote access and diagnosis

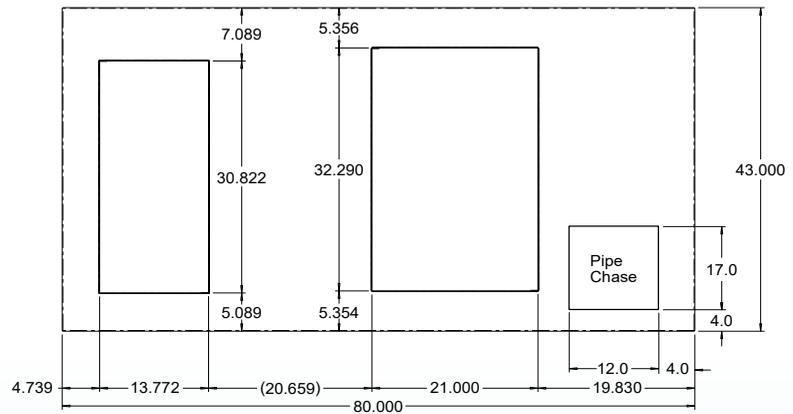
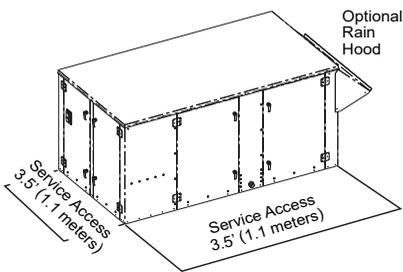
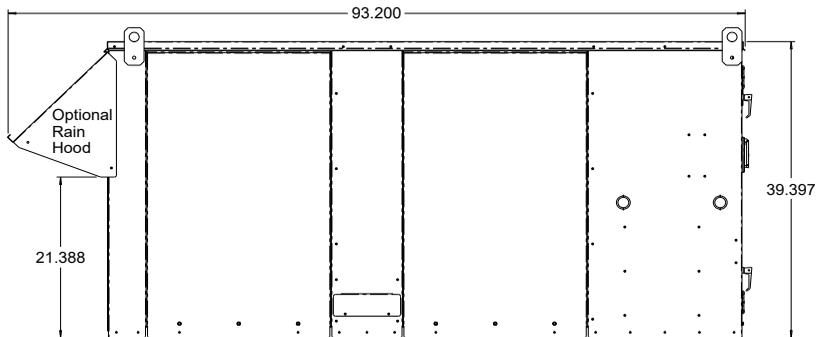
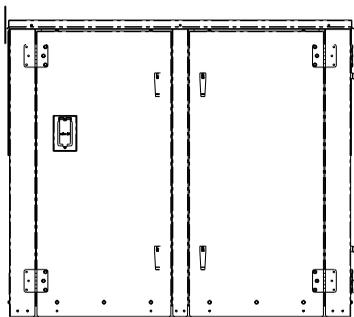
# Tested To ASHRAE/AHRI/ISO 13256-1 English Units

Model	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
TRE036	35,000	14.2	42,700	5.0	39,800	21.7	35,400	4.4	35,000	16.5	28,100	3.6
TRE048	48,500	14.4	59,700	4.7	54,800	21.1	48,500	4.1	50,000	16.0	37,800	3.4
TRE060	61,100	15.7	72,800	5.1	69,800	23.5	60,100	4.5	62,100	17.6	45,600	3.6
TRE072	71,000	15.0	88,500	5.0	79,000	23.0	72,000	4.4	71,000	16.2	55,000	3.6
TRE096	97,000	14.0	110,600	4.4	108,600	20.6	91,700	3.9	101,000	15.6	74,000	3.2
TRE120	122,500	13.9	149,400	4.4	135,000	20.6	122,700	3.9	129,000	15.6	98,000	3.2
TRE144	141,000	13.8	180,000	4.5	158,000	20.0	145,000	4.0	144,000	15.2	113,000	3.3
TRE168	175,000	15.0	206,700	5.0	187,000	20.9	168,000	4.5	177,500	16.5	129,500	3.7
TRE240	241,000	13.6	287,000	4.8	276,000	19.3	230,000	4.2	249,500	15.0	182,400	3.4

## Unit Size

Model	W	D*	H	
036 - 072	in.	43.2	80.1	39.4
096 - 144	in.	49.2	90.1	45.4
168 - 240	in.	87.1	90.1	50.6

\* Does not include optional rain hood



Top View of Base



7300 S.W. 44th Street  
Oklahoma City, OK 73179  
Phone: 405-745-6000  
climatemaster.com

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