



# Tranquility® Vertical Stack (TSM) Series

Models TSM09 - 36 60Hz - HFC - 410A

The Tranquility® Vertical Stack (TSM) Series offers an innovative, labor-saving solution for spaces where individual, quiet control of the heating and cooling system is important. Using EarthPure® (HFC-410A) refrigerant, the Tranquility Vertical Stack (TSM) Series not only protects the environment, it does so while delivering unprecedented comfort, efficiency, and reliability.

## Advantages of the Vertical TSM Series:

### Standard Features:

- All sizes 009 (3/4 ton) through 036 (3 tons) exceed ASHRAE 90.1 efficiencies
- Removable chassis allows staged installation and ease of maintenance
- Double isolation compressor mounting for quiet operation
- PSC fan motors
- Cabinet can slide over riser ball valve easily, allowing riser stack to be completed first
- Communicating CXM2 controls for reduced start-up, commissioning, and service time
- Eight standard safeties
- Field configuration of multiple discharge air and riser knock outs

### Configurable Options:

- Factory configured discharge air with optional dust cover(s)
- Internally mounted motorized water valves and auto flow regulators
- Integrated power disconnect
- Industry leading Ultra-Quiet sound attenuation package
- Modulating motorized water valve for intelligent water flow control
- Internal 200 PSI load matching pump (single pipe)
- Riser options for sweat or crimped connections
- Choice of hinged or flush mounted return air panel
- Choice of unit, ADA, or remote mounted controls
- BACnet, Modbus and Johnson N2 compatibility options for DDC controls
- Choice of high efficiency Constant Volume (CV) or Constant Torque (CT) ECM fan motors
- Intelligent communicating DXM2.5 controls for maximized airflow control when paired with CV ECMs

## Tested to ASHRAE/AHRI/ISO 13256-1 English (I-P) Units

Model with ECM Motor	Water Loop Heat Pump				Ground Loop Heat Pump			
	Cooling 86°F		Heating 68°F		Cooling 77°F		Heating 32°F	
	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
	Btuh	Btuh/W	Btuh		Btuh	Btuh/W	Btuh	
TSM09	9200	14.3	12200	5.4	9700	16.2	7100	3.3
TSM12	11800	14.1	15200	5.3	12100	16.8	9000	3.2
TSM15	14600	15.9	17500	5.3	15500	18.8	11000	3.6
TSM18	18000	15.2	22200	5.1	18500	17.3	13200	3.3
TSM24	25000	15.7	32500	5.1	26500	18.5	18200	3.5
TSM30	28000	15.1	34500	5.0	29000	17.6	22200	3.6
TSM36	35000	14.6	40500	5.0	36000	16.5	25500	3.5

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.

## Unit Size

Model	W*	D*	H**
09 - 12	in 17.0	17.0	88.0
15 - 18	in 19.25	19.0	88.0
24 - 36	in 24.0	24.0	88.0

\* Not Including Riser

\*\* Optional 80" Cabinet



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

LC1039  
Rev.: 1/24/23

ClimateMaster works continually to improve its products. As a result, the design and specifications of each product at the time of order may be changed without notice and may not be as described herein. Please contact ClimateMaster's Customer Service Department at 1-405-745-6000 for specific information on the current design and specifications. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely ClimateMaster's opinion or commendation of its products. The latest version of this document is available at [climatemaster.com](http://climatemaster.com).

© ClimateMaster, Inc. All rights reserved 2019