



TRANQUILITY® (SM) VERTICAL STACK SERIES

COMMERCIAL | Sizes: 09-36 | 60 Hz – R-454B



The Tranquility® (SM) Vertical Stack Series offers an innovative, labor-saving solution for spaces where individual, quiet control of the heating and cooling system is important. Not only does the Tranquility SM exceed ASHRAE 90.1 efficiency standards, but it also uses R-454B low Global Warming Potential (GWP) refrigerant, making it an extremely environmentally friendly space conditioning product solution. Designed to be installed in phases during construction, as well as easily serviceable, the Tranquility SM heat pump is packed full of the innovation you have come to expect from the experts at ClimateMaster.

The SM Series Advantage

STANDARD FEATURES

- Sizes 09 (¾ ton, 2.64 kW) through 36 (3 tons, 10.6 kW)
- Removable chassis allows staged installation and ease of maintenance
- Unique double-isolation compressor mounting for quiet operation
- CXM2 Communicating Controls for reduced startup, commissioning, and service time
- Cabinet can slide over riser ball valve easily, allowing riser stack to be completed first
- Field configuration of multiple discharge air and riser knock outs
- Eight standard safeties
- EC blower motors

CONFIGURABLE OPTIONS

- Choice of high efficiency Constant Volume (CV) or Constant Torque (CT) EC motors
- BACnet, Modbus and Johnson Controls N2 compatibility options for Building Management Systems (BMS)
- vFlow® unit-integrated modulating water valve for maximum water-flow control (replaces traditional motorized water valve and autoflow regulator)
- UltraQuiet sound-attenuation package
- Refrigerant Detection System (RDS) (optional for all sizes)
- Hybrid Hydronic Heating
- Integrated power disconnect



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Product Catalog

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Tested in Accordance with ASHRAE/AHRI/ISO 13256-1 English (I-P) Units

Model	Size	Water Loop Heat Pump				Ground Loop Heat Pump			
		Cooling 86°F		Heating 68°F		Cooling 77°F		Heating 32°F	
		Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
SMS	09	8,800	15.2	11,400	5.1	8,800	17.1	6,600	3.4
	12	11,200	14.5	14,700	5.0	11,700	16.7	8,500	3.5
	15	14,300	15.4	18,400	5.1	14,800	17.5	11,100	3.6
	18	17,400	14.5	22,100	4.9	18,200	16.7	13,600	3.5
	24	24,000	16.1	28,200	5.0	24,800	18.6	18,400	3.6
	30	29,100	15.2	36,200	5.0	28,900	17.0	22,800	3.5
SMT	09	9,000	16.2	11,400	5.2	9,400	18.9	6,600	3.5
	12	11,500	15.5	14,600	5.1	12,200	18.3	8,400	3.5
	15	14,900	16.5	18,300	5.1	15,400	18.8	11,000	3.7
	18	18,000	15.6	22,000	4.9	19,000	17.8	13,600	3.6
	24	25,000	17.6	28,000	5.1	25,900	20.4	18,000	3.7
	30	30,000	17.0	35,500	5.3	30,000	19.0	22,300	3.7
	36	35,900	15.8	42,200	5.0	36,800	17.7	27,300	3.5

Notes:

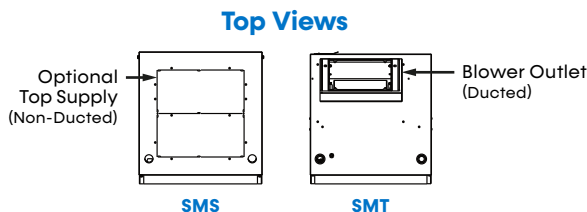
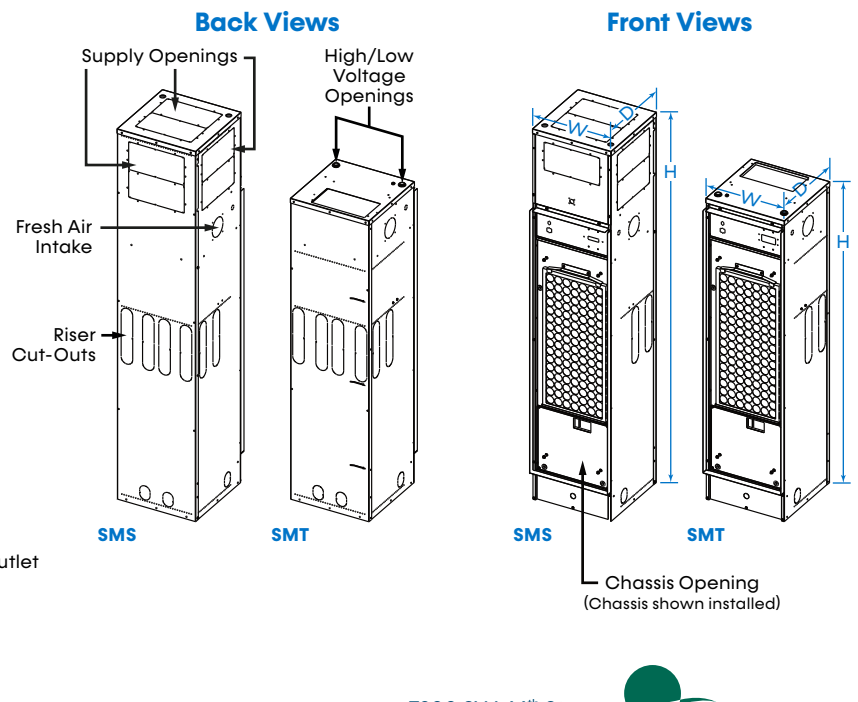
- Where dual voltages are available ratings are based on the lower voltage setting.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution.

Dimensional Data

Model Size	Overall Cabinet (in)		
	Depth	Width	Height
	D	W	H
Ducted/Non-Ducted – Standard			
SM09-SM12	17.0	17.0	88.0/80.0/65.0
SM15-SM18	19.0	19.3	88.0/80.0/65.0
SM24-SM36	24.0	24.3	88.0/80.0/65.0
Ducted/Non-Ducted – Hybrid			
SM09-SM12	20.0	17.0	88.0/80.0/65.0
SM15-SM18	22.0	19.3	88.0/80.0/65.0
SM24-SM36	27.0	24.3	88.0/80.0/65.0

Notes:

- Riser not included in dimensions
- For Hybrid Heating cabinet configurations, please refer to the Product Catalog for dimensional data.



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