



TRANQUILITY® (SE) PREMIER SERIES

COMMERCIAL | Sizes: 006-072 | 60 Hz – R-454B



The Tranquility® (SE) Premier Series showcases superb efficiency ratings, quiet operation, and application flexibility that is synonymous with the ClimateMaster Tranquility family. The Tranquility SE surpasses ASHRAE 90.1 efficiency standards and utilizes R-454B low Global Warming Potential (GWP) refrigerant, setting a high standard for eco-friendly performance. Due to its innovative and environmentally-conscious design, the Tranquility SE qualifies for LEED® (Leadership in Energy and Environmental Design) points while delivering reliable operation, lower operating cost, and compact installation.

The SE Series Advantage

STANDARD FEATURES

- Sizes 006 (½ ton, 1.8 kW) through 072 (6 tons, 21.1 kW)
- Refrigerant Detection System (RDS) (mandatory on size 060 and 072, optional for sizes 006-048)
- Communicating DXM2.5 controls for reduced startup, commissioning, and service time
- Part-load operation significantly lowers annual operating costs
- Unique double-isolation compressor mounting for quiet operation
- Field-convertible discharge-air arrangement for horizontal units
- Intelligent Constant Volume (CV) EC motors for ultimate airflow control

CONFIGURABLE OPTIONS

- vFlow® unit-integrated modulating water valve for maximum water-flow control (replaces traditional motorized water valve and autoflow regulator)
- vFlow® unit-integrated variable-speed water pump for single-pipe systems
- BACnet, Modbus, and Johnson Controls N2 options for Building Management Systems (BMS)
- iGate® 2 thermostat for remote monitoring, adjustments, and diagnostics via MyUplink mobile app and website
- Extended-range insulation for geothermal applications
- Domestic Hot Water Generator (HWG)



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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 | Load | Motor Type | Water Loop Heat Pump | | | | Ground Water Heat Pump | | | | Ground Loop Heat Pump | | | |
|------------|------|------------|----------------------|------------|---------------|-----|------------------------|------------|---------------|-----|--------------------------------------|------------|--------------------------------------|-----|
| | | | Cooling 86°F | | Heating 68°F | | Cooling 59°F | | Heating 50°F | | Part Cooling 68°F, Full Cooling 77°F | | Part Heating 41°F, Full 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 |
| 006 | Full | EC | 6,111 | 15.5 | 7,760 | 5.3 | 7,178 | 28.0 | 6,111 | 4.4 | 6,499 | 18.2 | 4,656 | 3.3 |
| 009 | Full | EC | 9,021 | 14.8 | 10,767 | 4.9 | 10,767 | 24.4 | 8,730 | 4.3 | 9,700 | 17.6 | 6,887 | 3.4 |
| 012 | Full | EC | 11,349 | 15.2 | 13,386 | 4.8 | 12,901 | 25.6 | 11,446 | 4.2 | 11,931 | 17.6 | 9,215 | 3.4 |
| 018 | Full | EC | 18,624 | 16.0 | 22,601 | 5.7 | 21,437 | 25.5 | 18,333 | 4.8 | 19,594 | 18.8 | 14,065 | 3.8 |
| 024 | Part | EC | 17,900 | 19.2 | 20,100 | 6.6 | 20,200 | 36.2 | 17,100 | 5.7 | 19,400 | 27.9 | 18,900 | 4.4 |
| | Full | EC | 25,300 | 17.1 | 29,000 | 5.7 | 28,600 | 26.2 | 23,400 | 5.0 | 26,300 | 19.9 | 17,800 | 4.1 |
| 036 | Part | EC | 26,400 | 20.2 | 30,600 | 6.5 | 30,200 | 35.3 | 25,800 | 5.6 | 28,500 | 29.7 | 22,700 | 5.0 |
| | Full | EC | 37,500 | 17.0 | 43,100 | 5.4 | 41,000 | 24.4 | 35,700 | 4.9 | 39,000 | 18.8 | 28,400 | 4.2 |
| 048 | Part | EC | 35,700 | 19.6 | 42,900 | 6.5 | 41,000 | 41.8 | 33,700 | 5.3 | 37,400 | 28.6 | 29,000 | 4.7 |
| | Full | EC | 48,000 | 17.2 | 60,200 | 5.3 | 54,600 | 26.0 | 49,100 | 4.5 | 51,700 | 19.4 | 38,100 | 3.9 |
| 060 | Part | EC | 42,200 | 18.9 | 44,800 | 5.9 | 48,000 | 32.9 | 35,900 | 4.8 | 46,400 | 27.5 | 30,900 | 4.1 |
| | Full | EC | 61,800 | 16.9 | 67,300 | 5.3 | 66,800 | 24.7 | 55,700 | 4.7 | 62,600 | 18.7 | 44,300 | 3.9 |
| 072 | Part | EC | 53,500 | 17.9 | 59,200 | 5.4 | 61,400 | 34.8 | 48,000 | 4.5 | 58,000 | 24.1 | 42,400 | 4.1 |
| | Full | EC | 72,000 | 16.1 | 81,400 | 4.9 | 77,000 | 22.4 | 67,400 | 4.4 | 74,700 | 18.4 | 54,000 | 3.8 |

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.

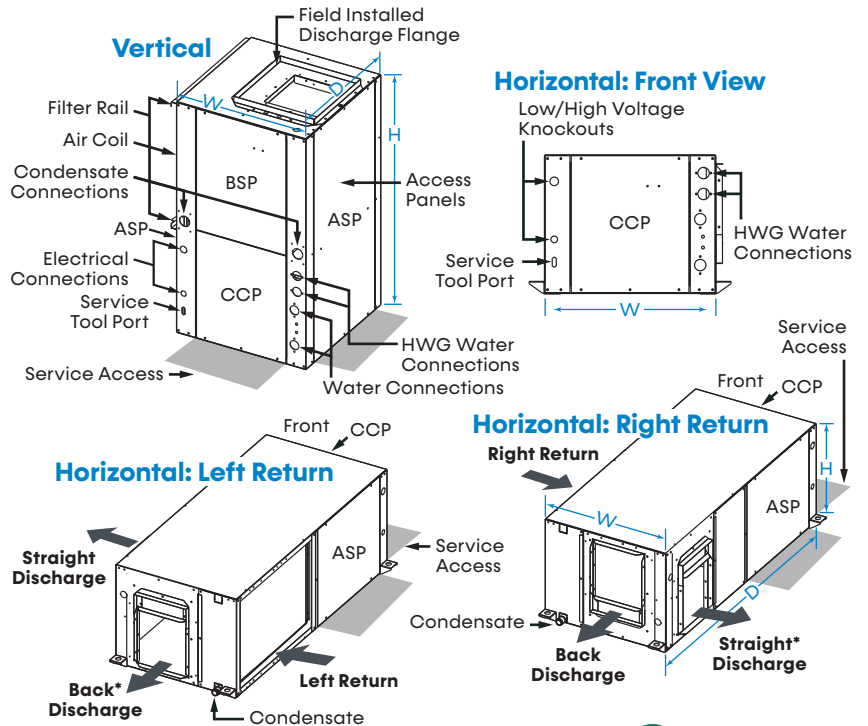
Dimensional Data

| Model | Cabinet Configuration | Overall Cabinet (in) | | |
|-------------|-----------------------|----------------------|-------|--------|
| | | Depth | Width | Height |
| | | D | W | H |
| SE006-SE012 | Horizontal | 43.1 | 22.4 | 17.3 |
| | Vertical | 21.6 | 22.4 | 34.5 |
| SE018 | Horizontal | 62.2 | 22.4 | 19.3 |
| | Vertical | 25.6 | 22.4 | 44.6 |
| SE024 | Horizontal | 62.2 | 22.4 | 19.3 |
| | Vertical | 25.6 | 22.4 | 48.5 |
| SE036 | Horizontal | 71.2 | 25.4 | 21.3 |
| | Vertical | 30.6 | 25.4 | 50.5 |
| SE048 | Horizontal | 76.2 | 25.4 | 21.3 |
| | Vertical | 30.6 | 25.4 | 54.5 |
| SE060-SE072 | Horizontal | 81.2 | 25.4 | 21.3 |
| | Vertical | 30.6 | 25.4 | 58.5 |

Note: For Vertical Downflow cabinet configurations, please refer to the Product Catalog for dimensional data.

LEGEND

- ASP = ADDITIONAL SERVICE PANEL (OPTIONAL ACCESS)
- BSP = BLOWER SERVICE PANEL
- CCP = CONTROL/COMPRESSOR ACCESS PANEL



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Part#: LC3042 | Created: October 29, 2024

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