

Model TC

The award winning Tranquility® 16 (TC) Compact Series raises the bar for water-source heat pump efficiencies, features and application flexibility. Not only does the Tranquility TC exceed ASHRAE 90.1 efficiencies, but it also uses EarthPure® HFC-410A zero ozone depletion refrigerant, making it an extremely environmentally-friendly option. Tranquility TC is eligible for LEED® (Leadership in Energy and Environmental Design) points because of the “green” technology design. With one of the smallest cabinets in the industry, the Tranquility TC will easily fit into tight spaces. Designed to be backward compatible with thousands of older water-source heat pumps, the Tranquility 16 (TC) Compact Series heat pump is packed full of the innovation you have come to expect from the experts at ClimateMaster.

FEATURES

- Sizes 006 (1/2 ton, 1.76 kW) through 060 (5 tons, 17.6 kW)
- Environmentally-friendly EarthPure® (HFC-410A) zero ozone depletion refrigerant
- Exceeds ASHRAE 90.1 efficiencies
- Coaxial heat exchanger
- Galvanized steel construction
- Sound absorbing glass fiber insulation
- Unique double isolation compressor mounting for quiet operation
- Insulated divider and separate compressor/air handler compartments
- TXV metering device
- Microprocessor controls with on board fuse and emergency shutdown
- Field convertible discharge air arrangement for horizontal units
- PSC three-speed fan motor (2 speed for 575 volt)
- Unit Performance Sentinel performance monitoring system
- Eight Safeties Standard
- Non-corrosive polymer drain pan

- iGate® 2 Communicating Controls Powered by CXM2
 - Multiple communication pathways,
 - Cloud-based connectivity via iGate 2 Wi-Fi communicating color touch screen thermostat for remote monitoring, access, and diagnosis. Including the new functionality for contractors/building engineers to monitor and make mass changes on multi-unit systems
 - Connect directly to the system with use of a handheld service tool
 - Provides real-time unit operating conditions
 - Reduces start-up, commissioning, and service time by removing the need for hard tooling to take temperature measurements
 - Captures operating conditions in the event of a safety shutdown

OPTIONS

- iGate® 2 Communicating Controls Powered by DXM2.5
 - Includes all of the features listed above for CXM2 controls including cloud-based connectivity via iGate 2 WiFi communicating color touch screen thermostat for remote monitoring, access, and diagnosis
 - Provides direct control over intelligent Constant Volume (CV) ECM fan motor
- High Static PSC Fan Motors
- BACnet, Modbus and Johnson N2 compatibility options for DDC controls
- Corrosive resistant cupro-nickel water heat exchanger
- UltraQuiet sound attenuation package
- High efficient ECM fan motors
 - Intelligent Constant Volume (CV) ECM motors for ultimate airflow control
 - Entry level Constant Torque (CT) ECM motors that provide efficiency at a value
- Waterside Economizer (WSE)
- Easy to clean rust prohibitive stainless steel drain pans

- Electrical service disconnect
- Extended range insulation for geothermal applications
- Tin-plated air coils for added protection from formicary corrosion

ACCESSORIES

- Wi-Fi communicating color touch screen thermostat
- Wide variety of thermostat options to meet your application needs
- Various length braided hose kits with optional water valves, PT plugs, blowdown valve, flow limiting, and strainer options
- Externally mounted manual and motorized water valves
- 1" Merv 8 filter
- 2" Merv 8 or 13 filters
- Architecturally pleasing wall sensors for connection to DDC (MPC) controls
- Electric emergency duct heaters