



Tranquility[®] 16 (TR) Versatile Series

Models TRH/V006 - 060 60Hz - HFC - 410A

The Tranquility[®] 16 (TR) Versatile Series raises the bar for water-source heat pump features and application flexibility. Not only does the Tranquility TR exceed ASHRAE 90.1 efficiencies, but with the new ECM fan motor option, it also delivers higher efficiencies up to 15.5 EER (Tower-Boiler) and 18 EER (Geothermal). The Tranquility TR stands out as having the most comprehensive set of product options contained in a compact footprint making it the value leader in water source heat pump products.

Advantages of the Tranquility TR:

Standard Features:

- All sizes 006 (1/2 ton, 1.76 kW) through 060 (5 tons, 17.6 kW) exceed ASHRAE 90.1 efficiencies
- Communicating CXM2 controls for reduced start-up, commissioning, and service time
- Unique double isolation compressor mounting for quiet operation
- Eight standard safeties
- Field convertible supply air arrangement (horizontal configurations only)
- PSC three-speed fan motor
- Sound absorbing glass fiber insulation
- Non-corrosive polymer drain pan

Configurable Options:

- 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
- MPC controls for interfacing with building management systems
- Extended range insulation for geothermal applications
- Hybrid hydronic heating paired with water-cooled air conditioning (horizontal configurations only)
- Industry leading UltraQuiet sound attenuation package
- Factory installed internally mounted auto-flow regulators
- Factory installed internally mounted motorized water valves
- ClimaDry[®] modulating condenser hot water reheat dehumidification

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

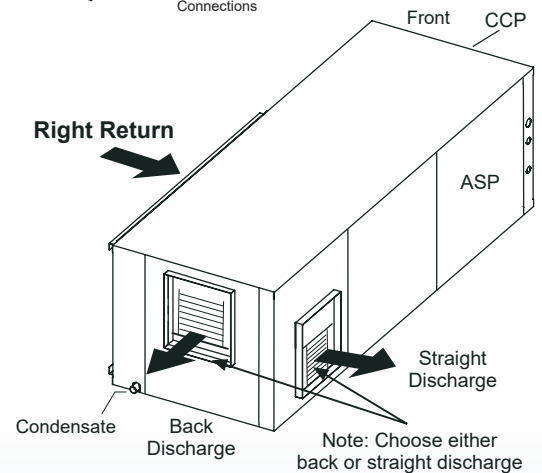
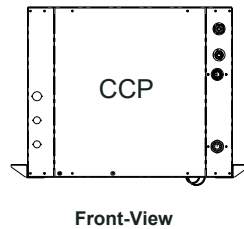
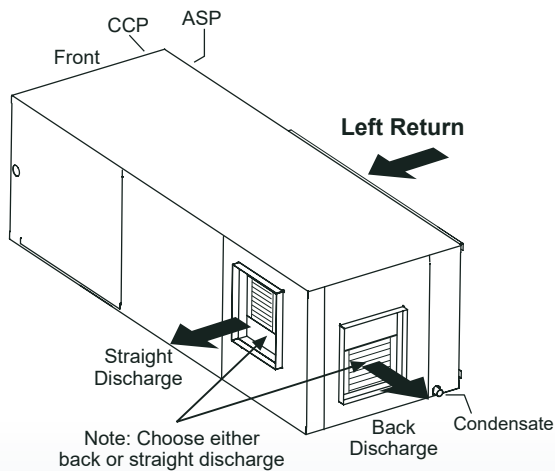
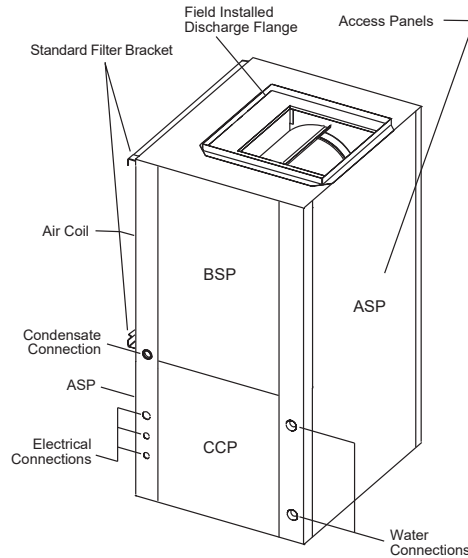
Model w/ ECM Fan Motor	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling 86°F		Heating 68°F		Cooling 59°F		Heating 50°F		Cooling 77°F		Heating 32°F	
	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
TR-006	5,800	14.0	7,500	4.8	7,000	24.0	6,300	4.2	6,200	16.7	4,900	3.5
TR-009	8,600	14.2	11,600	4.4	10,000	23.4	9,700	4.0	9,100	16.8	7,800	3.5
TR-012	11,100	13.0	14,700	4.4	13,500	20.0	12,100	3.8	12,000	14.6	10,000	3.3
TR-015	14,300	15.5	17,100	5.3	16,500	25.0	14,100	4.5	14,800	18.0	11,000	3.6
TR-018	18,700	15.0	21,800	5.2	21,500	23.6	17,800	4.5	19,500	17.1	14,100	3.7
TR-024	23,600	13.5	27,500	4.8	27,000	21.5	23,500	4.3	24,500	16.0	18,600	3.5
TR-030	28,600	13.6	37,000	4.9	32,000	21.6	30,500	4.3	29,500	16.0	24,000	3.6
TR-036	34,500	14.0	45,200	4.5	38,700	21.0	37,000	4.0	35,300	15.5	28,700	3.4
TR-042	41,000	14.9	52,700	4.5	46,400	21.0	42,400	4.0	42,500	16.0	33,900	3.4
TR-048	48,000	14.0	53,600	4.8	54,200	21.0	45,300	4.3	50,400	16.2	36,500	3.6
TR-060	59,500	14.6	72,000	4.4	66,500	20.5	61,000	4.0	61,500	16.5	49,200	3.4

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

	W	D	H	
Vertical Upflow Model				
006 - 012	in	22.5	21.3	22.0
015 - 030	in	22.4	22.4	40.0
036 - 042	in	22.4	25.4	45.0
048 - 060	in	25.4	29.1	50.5
Horizontal Model*				
006 - 012	in	22.5	40.3	11.1
015 - 018	in	22.4	48.3	17.0
024 - 030	in	22.4	48.3	18.3
036 - 042	in	22.4	53.1	21.0
048 - 060	in	25.4	68.0	21.0

*Not applicable to Hybrid models



Legend:
 CCP = Control/Compressor Access Panel
 BSP = Blower Service Panel
 ASP = Additional Service Panel (optional access)



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