



TRANQUILITY® 18 (SR) VERSATILE SINGLE-STAGE SERIES

Sizes: 006-060 | 60 Hz – R-454B



The Tranquility® 18 (SR) Versatile Single-Stage Series raises the bar for water-source heat pump features and application flexibility. Not only does the Tranquility SR exceed ASHRAE 90.1 efficiency standards, but it also uses R-454B low Global Warming Potential (GWP) refrigerant, making it an environmentally-friendly space conditioning product solution. Tranquility SR is eligible for LEED® (Leadership in Energy and Environmental Design) points due to its innovative and environmentally-conscious design. The Tranquility SR stands out as having the most comprehensive set of options contained in a compact footprint making it the value leader in water source heat pump products.

The SR Series Advantage

STANDARD FEATURES

- Sizes 006 (½ ton, 1.8 kW) through 060 (5 tons, 17.6 kW)
- Refrigerant Detection System (RDS) (mandatory on size 060, optional feature for sizes 006-048)
- Communicating CXM2 controls for reduced startup, commissioning, and service time
- Sound-absorbing glass-fiber insulation
- Unique double-isolation compressor mounting for quiet operation
- Field-convertible discharge-air arrangement for horizontal units
- PSC three-speed fan motor (two-speed for 575V)
- Eight standard safety features
- Non-corrosive polymer drain pan

CONFIGURABLE OPTIONS

- High efficiency Constant Volume (CV) or Constant Torque (CT) EC motors
- DXM2.5 controls for maximized airflow control when paired with CV EC blower motors
- BACnet, Modbus, and Johnson Controls N2 options for Building Management Systems (BMS)
- Motorized water valves boost efficiency by stopping water flow when inactive
- Internal water pump for single-pipe systems
- Domestic Hot Water Generator (HWG)
- Waterside Economizers for energy savings
- Hybrid Hydronic Heating



Scan for
Product Catalog

TRANQUILITY 18 (SR) VERSATILE SINGLE-STAGE SERIES

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

Model Size	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		Full Cooling 77°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	EC	6,100	15.0	8,300	5.1	7,300	26.6	6,500	4.0	6,400	17.7	4,800	3.3
009	EC	8,600	14.0	11,600	4.2	10,000	23.0	9,600	3.5	9,000	16.0	7,300	3.2
012	EC	10,700	13.4	14,400	4.6	13,000	21.0	11,700	4.0	11,500	14.9	9,300	3.3
015	EC	14,700	16.4	15,900	4.9	16,900	26.2	13,800	4.5	15,200	17.3	10,700	3.6
018	EC	18,000	15.0	21,500	5.1	20,900	25.0	17,700	4.4	19,400	17.3	13,800	3.6
024	EC	24,900	15.4	28,500	5.1	27,800	24.0	24,000	4.5	25,800	18.0	19,000	3.7
030	EC	29,200	14.5	35,000	4.8	32,800	23.5	28,800	4.3	30,500	17.3	23,000	3.6
036	EC	35,200	15.3	43,500	4.8	39,200	25.2	35,800	4.2	36,400	17.4	27,900	3.6
042	EC	41,800	15.2	48,500	4.9	46,000	22.9	39,900	4.3	43,400	17.4	31,700	3.5
048	EC	48,900	15.2	57,500	4.8	53,500	22.8	47,700	4.2	50,800	17.6	38,100	3.5
060	EC	60,200	14.7	68,000	4.7	67,000	21.5	57,100	4.2	62,200	17.4	44,300	3.5

Notes:

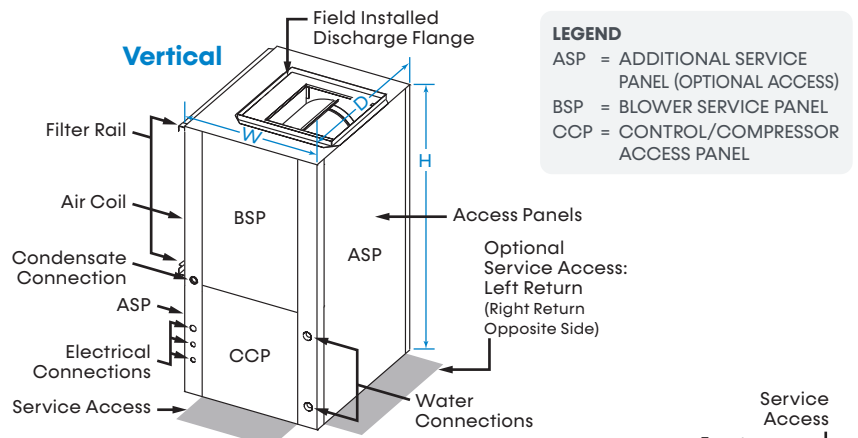
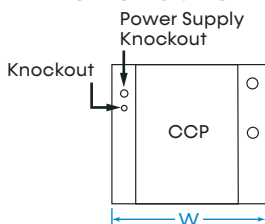
- Where dual voltages are available ratings are based on the lower voltage setting.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Ground Loop Heat Pump ratings based on 15% antifreeze solution.

Dimensional Data

Model Size	Cabinet Configuration	Overall Cabinet (inches)		
		Depth	Width	Height
006-012	Vertical	D	W	H
015-018		21.3	22.5	22.0
024-030		22.5	22.5	40.0
036-042		26.0	22.5	45.0
048-060		29.3	25.5	50.5
006-012	Horizontal	40.3	22.5	11.1
015-018		48.3	22.4	17.0
024-030		48.4	22.5	18.3
036-042		53.3	22.5	21.0
048-060		68.0	25.5	21.0

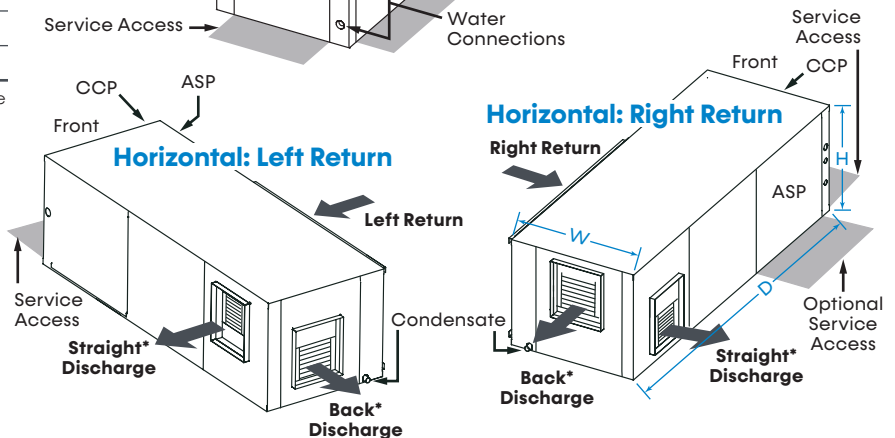
Note: Dimensions shown are for a standard cabinet. Refer to the Product Catalog for Hybrid or WSE cabinet dimensions.

Horizontal: Front View



LEGEND

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



* Note: Choose either back or straight discharge.

7300 SW 44th St.
Oklahoma City, OK 73179
Phone: 800.299.9747
www.climatemaster.com



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