



# TRANQUILITY® 30 (SE) PREMIER TWO-STAGE SERIES

RESIDENTIAL | Sizes: 024-072 | 60 Hz – R-454B



The Tranquility® 30 (SE) Premier Two-Stage 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 is Energy Star Certified.

## The SE Series Advantage

### STANDARD FEATURES

- Sizes 024 (2 ton, 7 kW) through 072 (6 tons, 21.1 kW)
- Refrigerant Detection System (RDS) (mandatory on sizes 060 and 072, optional for sizes 024-048)
- Communicating DXM2.5 controls for reduced startup, commissioning, and service time
- Part-load operation significantly lowers annual operating costs
- Field-convertible supply-air arrangement for horizontal units
- Intelligent variable speed Constant Volume (CV) EC blower motors for precise airflow control and soft-start feature
- Unique double-isolation compressor mounting with vibration isolation for quieter operation

### 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
- Factory-installed compressor soft-starter
- Integrated power disconnect
- Domestic Hot Water Generator (HWG)
- Compatible with iGate® 2 Smart Tanks for optimized hot water production and control



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# TRANQUILITY 30 (SE) PREMIER TWO-STAGE SERIES

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		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
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	54,00	3.8

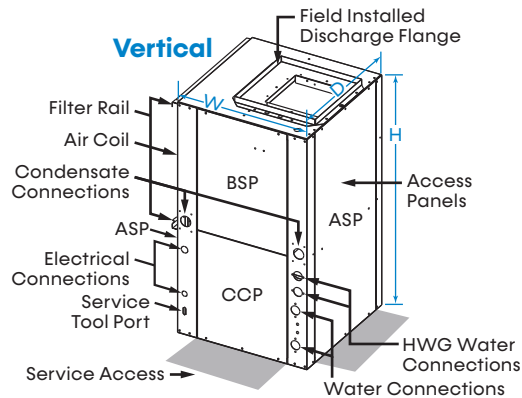
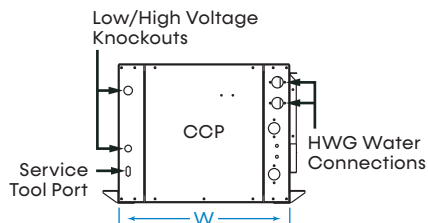
Notes:

- 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
SE024	Horizontal	62.2	22.4	19.3
	Vertical	25.6	22.4	48.5
	Downflow	25.6	22.4	52.4
SE036	Horizontal	71.2	25.4	21.3
	Vertical	30.6	25.4	50.5
	Downflow	30.6	25.4	54.3
SE048	Horizontal	76.2	25.4	21.3
	Vertical	30.6	25.4	54.5
	Downflow	30.6	25.4	58.3
SE060-SE072	Horizontal	81.2	25.4	21.3
	Vertical	30.6	25.4	58.5
	Downflow	30.6	25.4	62.3

### Horizontal: Front View

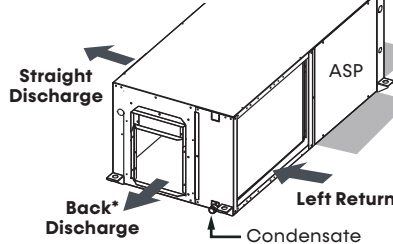


### LEGEND

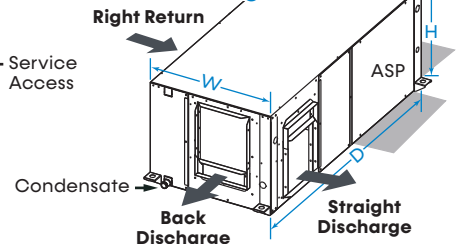
ASP = ADDITIONAL SERVICE PANEL (OPTIONAL ACCESS)  
BSP = BLOWER SERVICE PANEL  
CCP = CONTROL/COMPRESSOR ACCESS PANEL

**\* Note:**  
Choose either back or straight discharge.

### Horizontal: Left Return



### Horizontal: Right Return



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