

# TRANQUILITY® 30 (SP) PREMIER OUTDOOR SPLIT SERIES

RESIDENTIAL | Sizes: 024-060 | 60 Hz – R-454B



The Tranquility® 30 (SP) Premier Outdoor Split Series showcases outdoor durability, superb efficiency ratings, quiet operation, and application flexibility that is synonymous with the ClimateMaster Tranquility 30 Premier Split Systems. The Tranquility SP surpasses ASHRAE 90.1 efficiency standards when matched exclusively with the ClimateMaster Tranquility (SA) Premier Air Handler or Tranquility (SK) Premier Cased Coil. Designed for new or retrofit geothermal installations, the Tranquility SP delivers exceptional performance and energy savings, whether paired with the Tranquility SA for an all-electric solution or the Tranquility SK for a versatile dual-fuel application.

## The SP Series Advantage

### STANDARD FEATURES

- Sizes 024 (2 ton, 7 kW) through 060 (5 tons, 17.6 kW)
- Environmentally-friendly R-454B low-GWP refrigerant
- iGate® 2 Communicating Controls Powered by DXM2.5
- Part-load operation significantly lowers annual operating costs
- Exceeds ASHRAE 90.1 and Energy Star 3.0 efficiency requirements\*

### APPLICATION FLEXIBILITY

- AHRI matched and rated with SA and SK products
- Can be used as a total electric heat pump or add-on heat pump with fossil fuel backup
- Optional factory-installed compressor soft starter to reduce inrush currents for more efficient startups
- Standard 10-year limited warranty on all parts with 5-year labor allowance; Optional extended 5-year limited labor allowance available for a total labor allowance of 10 years

\*When matched with ClimateMaster Tranquility® Split air handler or cased coil



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# TRANQUILITY 30 (SP) PREMIER OUTDOOR SPLIT SERIES

## ASHRAE/AHRI/ISO 13256-1 English (I-P) Units – with Tranquility SA

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		Cooling 68°F		Heating 41°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
SP024	Part	EC	16,700	17.2	19,800	6.1	18,400	30.1	16,300	5.0	18,000	24.7	14,500	4.4
	Full	EC	23,200	16.5	27,200	5.5	24,700	25.2	22,500	4.8	23,900	19.0	17,900	4.0
SP036	Part	EC	27,200	17.7	28,800	5.5	30,200	31.2	24,000	4.7	28,700	23.1	21,000	4.3
	Full	EC	36,400	17.3	39,400	5.3	41,800	25.0	33,700	4.7	38,300	18.4	26,900	4.0
SP048	Part	EC	32,200	17.0	39,000	5.6	38,500	31.3	31,500	4.6	36,800	25.0	27,500	4.1
	Full	EC	48,000	16.6	56,100	5.0	51,900	22.2	46,000	4.4	49,000	18.1	35,500	3.7
SP060	Part	EC	41,300	17.1	45,900	5.3	47,400	28.7	38,200	4.5	45,200	23.8	33,900	4.1
	Full	EC	59,700	16.0	63,900	5.0	65,000	22.9	55,100	4.3	60,200	17.6	45,000	3.7

## ASHRAE/AHRI/ISO 13256-1 English (I-P) Units – with Tranquility SK

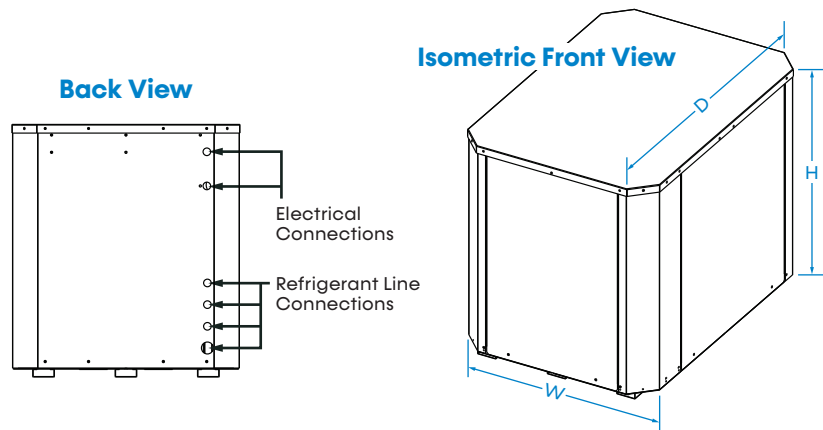
Model Size	Load	Motor Type	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
			Cooling 86°F		Heating 68°F		Cooling 59°F		Heating 50°F		Cooling 68°F		Heating 41°F	
			Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP	Capacity Btuh	EER Btuh/W	Capacity Btuh	COP
SP024	Part	EC	16,400	16.5	19,900	5.9	18,100	28.5	16,400	4.8	18,000	24.0	14,700	4.3
	Full	EC	23,000	15.6	27,500	5.2	24,700	23.6	22,800	4.6	23,700	17.8	18,300	3.8
SP036	Part	EC	26,300	18.4	29,500	5.5	29,500	30.4	24,000	4.6	28,300	24.6	21,600	4.2
	Full	EC	36,900	15.8	41,100	5.1	41,000	23.6	33,200	4.4	36,800	18.2	27,300	3.9
SP048	Part	EC	31,500	16.3	38,400	5.5	38,100	29.0	31,300	4.6	35,300	21.9	28,500	4.0
	Full	EC	47,000	15.1	56,500	5.0	51,100	21.0	46,800	4.2	48,500	16.7	36,500	3.6
SP060	Part	EC	40,800	15.7	46,700	5.2	46,500	25.8	38,900	4.4	44,400	22.0	34,500	4.0
	Full	EC	57,300	14.3	65,000	5.0	63,900	20.3	56,200	4.2	59,600	16.1	46,500	3.6

**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	Overall Cabinet (inches)		
	Depth	Width	Height
	D	W	H
024	37.4	26.3	29.1
036	37.4	26.3	29.1
048	37.4	26.3	29.1
060	37.4	26.3	29.1



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



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