



TRANQUILITY® 30 (SJ) PREMIER INDOOR SPLIT SERIES

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



The Tranquility® 30 (SJ) Premier Indoor Split Series showcases superb efficiency ratings, quiet operation, and application flexibility that is synonymous with the ClimateMaster Tranquility 30 Premier Split Systems. The Tranquility SJ 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 SJ 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 SJ Series Advantage

STANDARD FEATURES

- Sizes 024 (2 ton, 7 kW) through 060 (5 tons, 17.6 kW)
- Environmentally-friendly R-454B low-GWP refrigerant
- Factory installed Refrigerant Detection System (RDS) on all sizes
- 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*

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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Product Catalog

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

TRANQUILITY 30 (SJ) PREMIER INDOOR 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
SJ024	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
SJ036	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
SJ048	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
SJ060	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
SJ024	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
SJ036	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
SJ048	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
SJ060	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:

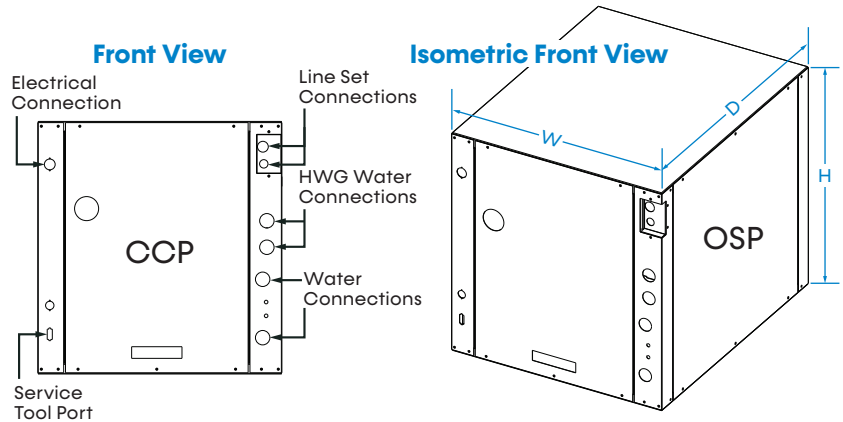
- Where dual voltages are available, ratings are based on the lower voltage setting.
- Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature.
- Heating capacities based upon 68°F DB, 59°F WB entering air temperature.
- Ground Loop Heat Pump ratings based on 15% methanol antifreeze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

Dimensional Data

Model Size	Overall Cabinet (inches)		
	Depth	Width	Height
	D	W	H
024	30.6	25.4	26.3
036	30.6	25.4	26.3
048	30.6	25.4	26.3
060	30.6	25.4	26.3

LEGEND

CCP = CONTROL/COMPRESSOR ACCESS PANEL
 OSP = OPTIONAL SERVICE PANEL (NOT REQUIRED)



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