



Air Cooled Water Chillers



Safario is a quality manufacturer of Sapphire water chillers for domestic, industrial process cooling and speciality HVAC systems. The Sapphire chillers offer an unparalleled range of cooling capacities, with wide options that allow customers to select a chiller best suited to their needs.

Designed with reliability, flexibility and ease of use, the Sapphire range of water chillers have earned a quality reputation, trusted around the Middle East to provide reliable cooling solutions for heating process applications.

Sapphire offers a complete range of packaged liquid chillers from 2 tons to 100 tons and above. Sapphire chillers are used in industries such as plastics processing, thermal spray, printing processes, oil coolers, pharmaceutical processing, confectionaries and various other industrial manufacturing processes. These chillers can also be applied to HVAC systems where direct expansions systems are not practical.



SAPPHIRE AIR COOLED CHILLERS TECHNICAL SPECIFICATIONS				
Model No.		SSAC-240	SSAC-300	SSAC-360
Cooling Capacity	BTU/hr	240000	300000	360000
Water Flow Rate	GPM	50.0	62.5	75.0
Max. Water Temp.(Tank inlet)	°C	50°C	50°C	50°C
Water Temp. (Tank outlet)	°C	8°C	8°C	8°C
Max. Refrigerant Working Pressure Low/high	PSIG	75/300	75/300	75/300
Refrigerant	Gas	R22	R22	R22
Power Supply	V/Ph/Hz	410/3/50	410/3/50	410/3/50
Power	KW	35.0	43.75	52.5
Water Pump	HP	1.5	2.0	2.0
Water Connection In/Out	Inches	1.5	2.0	2.0
Dimension	CM L x W x H	239x117x157.5	239x117x157.5	239x117x157.5
Water tank Capacity	Gallons	2000	2500	3000

Sapphire Chillers are designed for simplicity and ease of use:

- * "Cycling" refrigeration circuit.
- * Integrated centrifugal circulation pump.
- * Microprocessor controls (Optional).
- * Single point power connection.
- * High efficiency, stainless steel, brazed tube heat exchangers.
- * Heavier frame construction, greater resistance to shipping, handling & operation abuse.
- * Standard weatherproof enclosures on all models 10 tons & above.
- * Removable access panels for easy service & maintenance.
- * Standard high-pressure and low-pressure refrigeration gauges on 15 tons and above models.



SAPPHIRE AIR COOLED CHILLERS TECHNICAL SPECIFICATIONS				
Model No.		SSAC-96	SSAC-120	SSAC-180
Cooling Capacity	BTU/hr	96000	120000	180000
Water Flow Rate	GPM	18.75	25.0	37.5
Max. Water Temp.(Tank inlet)	°C	50°C	50°C	50°C
Water Temp. (Tank outlet)	°C	8°C	8°C	8°C
Max. Refrigerant Working Pressure Low/high	PSIG	75/300	75/300	75/300
Refrigerant	Gas	R22	R22	R22
Power Supply	V/Ph/Hz	410/3/50	410/3/50	410/3/50
Power	KW	14.0	17.5	26.25
Water Pump	HP	1.0	1.5	1.5
Water Connection In/Out	Inches	1¼	1½	1.5
Dimension	CM L x W x H	153 x 83 x 179	159 x 83 x 179	159 x 83 x 184
Water tank Capacity	Gallons	800	1000	1500



Sapphire air cooled water chillers meet high standard of engineering and performance. Unit capacities in these series have a broad range depending on design requirements. An extensive choice of chillers capacities and options are available to meet the precise designs, as per clients requirements.

SAPPHIRE AIR COOLED CHILLERS TECHNICAL SPECIFICATIONS					
Model No.		SM-SW018	SM-SW024	SM-SW036	SM-SW060
Cooling Capacity	BTU/hr	18000	24000	36000	60000
Water Flow Rate	GPM	3.7	5.0	7.5	12.0
Max. Water Temp.(Tank inlet)	°C	50°C	50°C	50°C	50°C
Water Temp. (Tank outlet)	°C	8°C	8°C	8°C	8°C
Max. Refrigerant Working Pressure Low/high	PSIG	75/300	75/300	75/300	75/300
Refrigerant	Gas	R22	R22	R22	R22
Power Supply	V/Ph/Hz	230/1/50	230/1/50	230/1/50	410/3/50
Power	KW	2.6	3.5	5.25	8.75
Water Pump	HP	1/2	1/2	1/2	1/2
Water Connection In/Out	Inches	3/4	3/4	3/4	1
Dimension	CM L x W x H	84 x 36.5 x 106.5	84 x 36.5 x 106.5	90.5 x 36 x 121.5	Top Throw 92 x 132.5 x 75 Side Throw 96.5 x 43 x 173
Water tank Capacity	Gallons	150	200	300	500

Specifications mentioned are subject to changes for product improvement.



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