



INDUSTRIAL AIRCOOL WATER CHILLER (0.5-200HP)

Your Process Cooling Solution
Since 1994

Ultra Low Chilled
Water Temperature
(-25°C To 0°C)
Available on Request.




SPH10


SPH20

SP300


Features of SCP Industrial Water Chiller

 High Temperature Accuracy

As High As $\pm 0.5^{\circ}\text{C}$

 Strong Body


Make by high-strength steel & outdoor-grade powder coating.

 Advance Safety Features


Bult in safety device high/low voltage protection, Component overload relay and more.

 Customizable

OEM or Custom Made are welcome.

 Easy Installation

Just connect water inlet/outlet & power supply.

 Reliable

Reliable component & spare part is used.



SCP AUTOMATION (M) SDN BHD

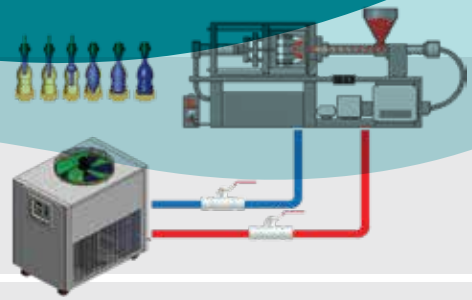
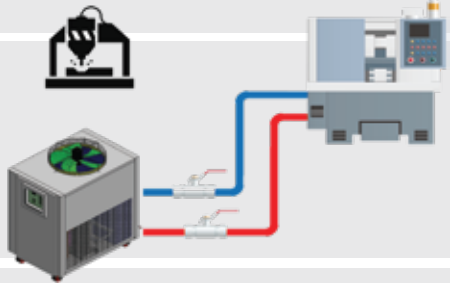
Co. Reg: 455231-U / 199701039731 SST No: B16-1808-21005252

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Chiller Application

Cooling Moulds

Injection moulding and extrusion, industries which requires process - cooling.

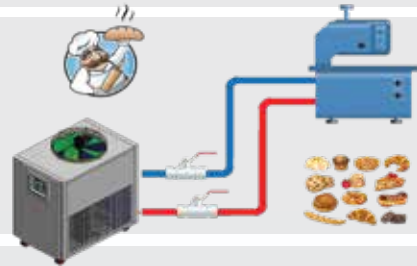
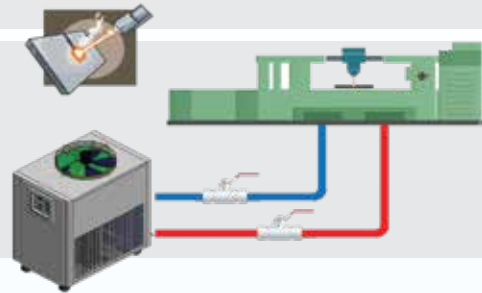


Electro Plating

CNC machining center, CNC electrical discharge machine, CNC grinder, CNC lather.

Food Processing

Machinery using Hydraulic oil, lubricating oil or other processing oil.

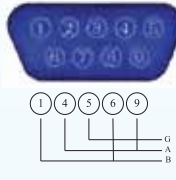


Laser cutting, DI water application


Optional Features



PLC
Touch Screen
Control Panel



RS-485
Communication



Centralized
Alarm
System



Back Up
Compressor



Back Up
Water Pump

Type of Evaporator



Brazed Plate
Heat Exchanger
(BHPE)



Copper Coil
Evaporator



Titanium Coil
Evaporator



Shell & Tube
Evaporator

Specification

SPH Series (Side Blowing)

- SPH Series is a side-blow type chiller.
- It uses a single compressor for cooling.

- Hot air blows out from the right side.
- This model is suitable for limited spaces.

MODEL			SPH10	SPH20	SPH30	SPH40	SPH60	SPH80
Cooling Capacity	kW/hr		1.4	2.6	3.5	5.3	7	10
	kcal/hr		1200	2230	3010	4560	6020	8600
Compressor Power	HP		0.5	1	1.5	2	3	4
Water Pump	kW		0.28	0.37	0.5	0.5	0.5	0.83
	HP		0.37	0.5	0.7	0.7	0.7	1.11
Power Supply	240V, 50Hz, 1-Phase						380V/415V, 50Hz, 3-Phase	
Refrigerant	R22 / R407C							
Cold Water Flow	RATE	L/min	7	20	25	25	33	65
	HEAD	Meter	12	15	21	21	20	20
Condenser Fan Size	Inch		10"	14"	14"	16"	16"	20"
Pipe Size (In /Outlet)	Inch		$\frac{1}{2}'' \times \frac{1}{2}''$	$\frac{1}{2}'' \times \frac{1}{2}''$	1" x 1"	1" x 1"	1" x 1"	1" x 1"
Dimension	Length	mm	505	720	750	750	875	1150
	Width	mm	400	380	570	570	610	680
	Height	mm	470	915	1075	1075	1160	1075
S/S Water Tank Volume	Liter		5	17	20	22	30	32
Gross Weight	KG		50	58	92	119	136	170

SP Series (Upward Blowing)

- SP Series is an upward-blow type chiller.
- It uses a single compressor for cooling.

- Hot air blows out from the top.

MODEL			SP30	SP40	SP60	SP80	SP100	SP200	SP300	SP420	SP500
Cooling Capacity	kW/hr		3.5	5.3	7	10	13	19	27	31	39
	kcal/hr		3010	4560	6020	8500	11180	16340	23220	26660	33540
Compressor Power	HP		1.5	2	3	4	5	7	10	12	15
Water Pump	kW		0.5	0.5	0.5	0.83	0.83	1.11	1.11	1.6	2.5
	HP		0.7	0.7	0.7	1.11	1.11	1.5	1.5	2.15	3.35
Power Supply	240V, 50Hz, 1-Phase				380/415V, 50Hz, 3-Phase						
Refrigerant	R22 / R407C										
Cold Water Flow	RATE	L/min	25	25	33	65	65	100	110	130	180
	HEAD	Meter	21	21	20	20	20	25	25	25	30
Condenser Fan Size	Inch		14"	16"	16"	20"	20"	18"x 2	20"x 2	20"x 2	22"x 2
Pipe Size (In /Outlet)	Inch		1" x 1"	1" x 1"	1" x 1"	1" x 1"	1" x 1"	$1\frac{1}{4}'' \times 1\frac{1}{4}''$	$1\frac{1}{4}'' \times 1\frac{1}{4}''$	$1\frac{1}{4}'' \times 1\frac{1}{4}''$	$1\frac{1}{4}'' \times 1\frac{1}{4}''$
Dimension	Length	mm	750	750	875	1150	1150	1050	1050	1050	1050
	Width	mm	570	570	610	680	680	900	900	900	1030
	Height	mm	1175	1175	1300	1300	1300	1500	1500	1500	1550
S/S Water Tank Volume	Liter		20	22	30	32	32	125	125	125	180
Gross Weight	KG		92	119	136	170	190	380	380	410	435

*Cooling Capacity rate based on ambient air temperature of 35°C or below.

-Ambient Temperature: 35°C Condensing Temperature: 40°C Evaporating Temperature: 12.5°C Refrigerant Type: R407C

**Specification subject to change without prior notice.

Specification

- SFA/SMA Series is a multi-compressors type chiller.
- Hot air blows out from the top.
- It use two or more compressor to perform cooling function.
- Fully utilize the compressors as they will take turns to operate under control of our specially program PCR (Programmable Control Relay)

SFA Series

MODEL			SFA170	SFA200	SFA500	SFA600	SFA840	SFA1000
Cooling Capacity	kW/hr		20	26	31	54	62	78
	kcal/hr		17200	22360	34400	46400	53400	67200
Compressor Power	HP		4Hp x 2	5Hp x 2	10Hp + 5Hp	10Hp x 2	12Hp x 2	15Hp x 2
Water Pump	kW		1.11	1.6	2.5	3	3	4
	HP		1.5	2.13	3.3	4	4	5.36
Power Supply			380V/415V, 50Hz, 3-Phase					
Refrigerant			R22 / R407C					
Cold Water Flow	RATE	L/min	100	110	180	250	300	360
	HEAD	Meter	25	30	30	33	31	30
Condenser Fan Size	Inch		20" x 2	20" x 2	20" x 3	20" x 4	20" x 4	22" x 4
Pipe Size (In /Outlet)	Inch		1 ¹ / ₄ " x 1 ¹ / ₄ "	1 ¹ / ₄ " x 1 ¹ / ₄ "	1 ¹ / ₂ " x 1 ¹ / ₂ "	1 ¹ / ₂ " x 1 ¹ / ₂ "	2" x 2"	2" x 2"
Dimension	Length	mm	1000	1650	2330	1905	1905	2260
	Width	mm	900	900	900	1560	1560	1800
	Height	mm	1500	1500	1450	1850	1850	1850
S/S Water Tank Volume	Liter		130	130	140	320	320	400
Gross Weight	KG		360	380	450	815	850	950

SMA Series

MODEL			SMA315	SMA330	SMA336	SMA345	SMA440	SMA460	SMA575	SMA690
Cooling Capacity	kW/hr		39	81	93	117	108	156	195	234
	kcal/hr		33540	69600	80000	100600	92900	134200	167700	201200
Compressor Power	HP		5Hp x 3	10Hp x 3	12Hp x 3	15Hp x 3	10Hp x 4	15Hp x 4	15Hp x 5	15Hp x 6
Water Pump	kW		1.6	2.2	3	3	3	4	5.5	5.5
	HP		12	3	4	4	4	5.5	7.5	7.5
Power Supply			380V/415V, 50Hz, 3-Phase							
Refrigerant			R22 / R407C							
Cold Water Flow	RATE	L/min	180	300	400	500	500	700	800	1000
	HEAD	Meter	22	25	25	22	22	22	25	22
Condenser Fan Size	Inch		20" x 3	20" x 6	20" x 6	20" x 8	20" x 8	22" x 8	22" x 10	22" x 12
Pipe Size (In /Outlet)	Inch		1 ¹ / ₂ " x 1 ¹ / ₂ "	1 ¹ / ₂ " x 1 ¹ / ₂ "	2" x 2"	2" x 2"	2" x 2"	2" x 2"	2" x 2"	2" x 2"
Dimension	Length	mm	2330	2360	2360	3180	3100	4100	5100	6100
	Width	mm	900	1500	1500	1830	1500	1870	1870	1870
	Height	mm	1450	1600	1600	1800	1800	1800	1800	1800
S/S Water Tank Volume	Liter		140	400	500	500	300	800	1000	1000
Gross Weight	KG		500	630	668	820	1400	1900	2400	2800

*Cooling Capacity rate based on ambient air temperature of 35°C or below.

-Ambient Temperature: 35°C Condensing Temperature: 40°C Evaporating Temperature: 12.5°C Refrigerant Type: R407C

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