

"PST" Series

EDS Water Chiller

Application

The new "PST" Series ,specifically designed for use industrial applications,as standard, with an internal strong Evaporator Plate heat exchanger or Shell and tube heat exchanger.

Offering a tried and tested solution that has received customer acclaim, "PST" chillers guarantee energy efficiency levels at the top of the category.

The use of components sourced from premium manufacturers and extensive factory testing of all units make for highest reliability levels, minimizing the risks of unplanned stoppages and increasing productivity levels. An extensive range of accessories , Coupled with operating limits among the most generous available on the market, allow "PST" to be personalized to a variety of industrial applications.

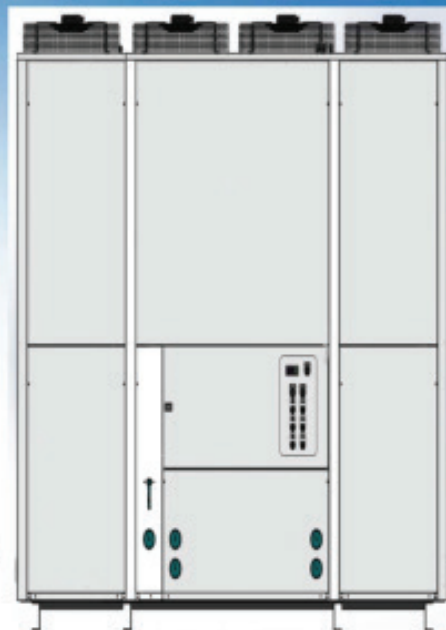
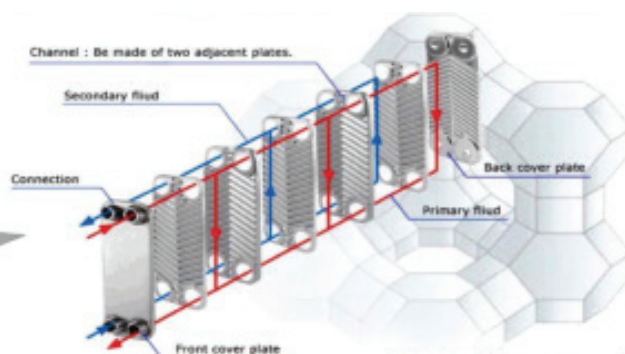
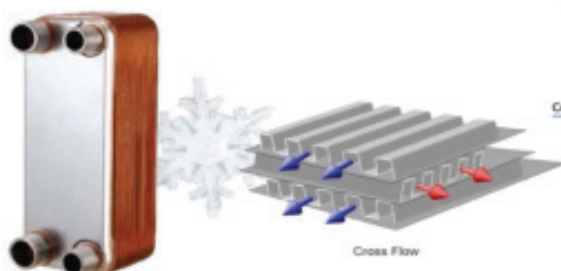


Plate : Metal plate is corrugated to improve heat transfer coefficient.

Plate evaporator



Microprocessor control

Chilled water temperature control due to compressor's ON/OFF regulation system or activation of capacity step
Compressor-start timing and control of inrush number
limitation Anti-freeze protection
Digital display operator interface

Digital temperature controller programming

PST-302 to 1504



Carel easy cool controller

PST-1.51 to 252



Water Pump

Option

Standard pump : 2.5 bar
Motor : 0.5-5.5 Hp
Water flow : 15-600 L/min



Option



Shell-and-Tube Evaporator

Certified : ISO 9001:2000
Certificate : No 10152

"PST" Standard Specification For Air Cooled

Model PST	A	031	051	081	101	121	152	202	252	302	353	403
Temperature Range	° C	Ambient Temp. +10~37 °C ; Chiller Temp. +7 ~ 20 °C										
Cooling Capacity	KW	10.6	17.5	26.5	35.1	45.3	52.2	73.1	89.8	105	116	137
	Kcal	9,000	15,000	22,800	30,000	38,900	44,800	62,800	77,200	90,000	99,760	117,820
Power Input	KW	3.3	5.9	8.5	10.3	12	17	25	30	33	36	48
Current	Amp.	6.6	10	15	18	26	30	42	50	60	67	84
Fan type	Axial Fan	Q'ty	1	1	2	2	3	3	3	4	5	5
	Air Flow rate	m³/h	5,200	6,500	5,200x2	6,500x2	8,400x2	6,500x3	8,400x3	8,400x4	8,400x4	8,400x5
Dimensions	Weight	Kg	220	270	420	580	720	860	940	1,360	1,570	2,000
	Length	mm	800			990 (990)			990 (990)			990
	Width	mm	980			1280 (1580)			1930 (2580)			3300
	Height	mm	1650			2100 (1400)			2100 (1400)			2150
Water Flow rate	L/min	30	50	85	100	130	180	210	250	320	360	420
Connect Size	inch	1"	1"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"	3"	3"
Standard Pump (2.5 bar)	HP	1	1	1.2	2	2	3	3	4	4	4	5.5
Max. operating current	Amp.	9	13	23	26	34	39	55	65	78	87	109
Circuit Quantity	Q'ty											
Capacity Step Control	%	0 / 100										
Power Source	50Hz	3 ph / 380-420V										
Compressor Type	-	Hermetic Scroll										
Refrigerant	-	R22 / (Option) R134a / R407c										
Safety devices	-	High / Low Pressure Switch , Chilled Water Low Temp. Switch , Thermal Overload , Compressor Internal Thermostat , Phase Reverse Relay , Water Flow Switch										

Model PST	A	504	604	704	804	1004
Temperature Range	° C	Ambient Temp. +10~37 °C ; Chiller Temp. +7 ~ 20 °C				
Cooling Capacity	KW	179	211	239	274	359
	Kcal	153,940	181,460	205,540	235,640	308,740
Power Input	KW	50	55	65	79	99
Current	Amp.	100	106	115	143	180
Fan type	Axial Fan	Q'ty	4	4	6	8
	Air Flow rate	m³/h	15,600x4	15,600x4	15,600x6	15,600x6
Dimensions	Weight	Kg	2,400	2,600	2,800	3,000
	Length	mm	2000			2000
	Width	mm	2140			3840
	Height	mm	2500			2500
Water Flow rate	L/min	510	650	720	870	1,050
Connect Size	inch	3"	3"	4"	4"	4"
Max. operating current	Amp.	130	138	150	186	234
Standard Pump (2.5 bar)	HP	(Option)				
Circuit Quantity	Q'ty	4				
Capacity Step Control	%	0 / 25 / 50 / 75 / 100				
Power Source	50Hz	3 ph / 380-420V				
Compressor Type	-	Hermetic Scroll				
Refrigerant	-	R22 / (Option) R134a / R407c				



"PST" Standard Specification For Water Cooled

Model PST	W	031	051	081	101	121	151	202	252	302	353	403
Temperature Range	° C	Ambient Temp. +10~37 °C ; Chiller Temp. +7 ~ 20 °C										
Cooling Capacity	KW	11	19	27	35	42	50	70	85	102	127	139
	Kcal	9,460	16,340	23,220	30,100	36,120	43,000	60,200	73,100	87,720	109,220	119,540
Power Input	KW	3.1	4.3	5	7	8	11	14	15	22	21	24
Current	Amp.	4.6	7.8	11	15	18	23	27	28	46	40	49
Water Cooled	Connect	inch	1"	1"	1"	1"	1"	2"	2"	2-1/2"	1"x3	1"x2
	Water Flow rate	L/min	50	65	110	150	170	220	280	330	400	480
Dimensions	Weight	Kg	165	205	420	500	530	580	700	810	960	1,020
	Length	mm	600			600			600			800
	Width	mm	600			800			1000			1000
	Height	mm	700			800			800			1400
Water Flow rate	L/min	30	50	85	100	130	180	210	250	300	360	420
Connect Size	inch	1"	1"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"	2-1/2"	2-1/2"
Standard Pump (2.5 bar)	HP	0.75	1	1.2	2	2	3	3	4	4	4	5.5
Max. operating current	Amp.	6	10	14	20	23	30	35	36	60	52	64
Circuit Quantity	Q'ty	1										
Capacity Step Control	%	0 / 100										
Compressor Type	-	Hermetic Scroll										
Refrigerant	-	R22 / (Option) R134a / R407c										
Power Source	50Hz	3 ph / 380-420V / 50Hz										
Safety devices	-	High / Low Pressure Switch , Chilled Water Low Temp. Switch , Thermal Overload , Compressor Internal Thermostat , Phase Reverse Relay , Water Flow Switch										

Model	PST	W	503	603	703	803	1004	1254
Temperature Range		° C	Ambient Temp. +10~37 °C ; Chiller Temp. +7 ~ 20 °C					
Cooling Capacity		kW	169	211	264	285	351	439
		Kcal	145,340	181,460	227,040	245,100	301,860	377,540
Power Input		kW	26	36	42	48	56	74
Current		Amp.	57	67	84	102	112	138
Water Cooled	Connect	inch	1-1/2"x3	1-1/2"x3	1-1/2"x3	1-1/2"x3	1-1/2"x4	1-1/2"x4
	Water Flow	l/min	600	700	800	900	1,100	1,300
Dimensions	Weight	Kg	1,150	1,380	1,570	1,780	1,860	1,930
	Length	mm	990					990
	Width	mm	1280					1930
	Height	mm	1400					1400
Water Flow rate		l/min	510	650	720	870	1,050	1,200
Connect Size		inch	3"	3"	4"	4"	4"	5"
Max. operating current		Amp.	74	87	109	133	146	179
Standard Pump (2,5 bar)		HP	(Option)					
Circuit Quantity		Q'ty	3					4
Capacity Step Control		%	0 / 33 / 66 / 100					0/25/50/75/100
Compressor Type			Hermetic Scroll					
Refrigerant		-	R22 / (Option) R134a / R407c					
Power Source		50Hz	3 ph / 380-420V					

