

EDS Water Chiller

" IPT " Series

Application



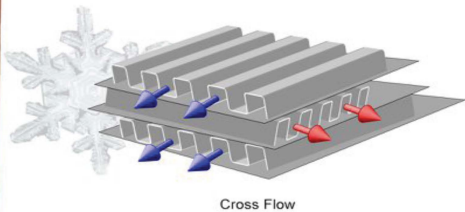
The new IPT chillers, specifically designed for use industrial applications, are compact units equipped, as standard, with an internal strong tank and pump, offering a tried and tested solution that has received customer acclaim. "IPT" chillers guarantee energy efficiency levels at the top of the category.

The innovation evaporator-in-tank configuration ensures reduced ambient heat gain and a steady temperature of the process fluids.

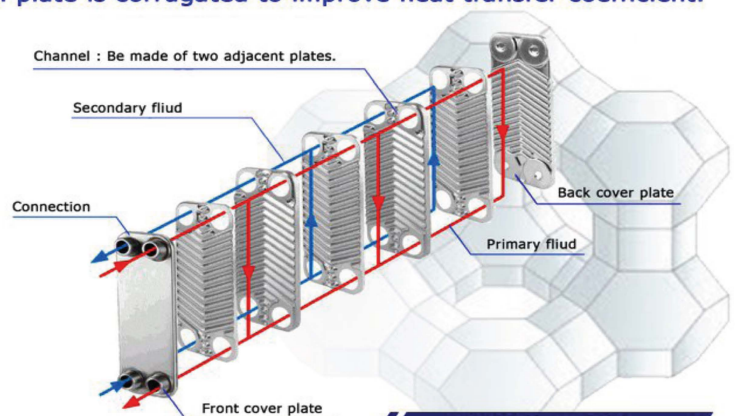
The use of components sourced from premium manufacturers and extensive factory testing of all units make for highest reliability levels, minimizing the risks of unplanned stoppages and increasing productivity levels. An extensive range of accessories, Coupled with operating limits among the most generous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

This unit has a water tank inside, water temperature can be maintained at 1~2 °C

Plate evaporator



Cross Flow



Water Tank

Max, Pressure : 4 bar
Capacity : 30-550 Liter

Water Pump



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



Certified : ISO 9001:2000
Certificate : No 10152

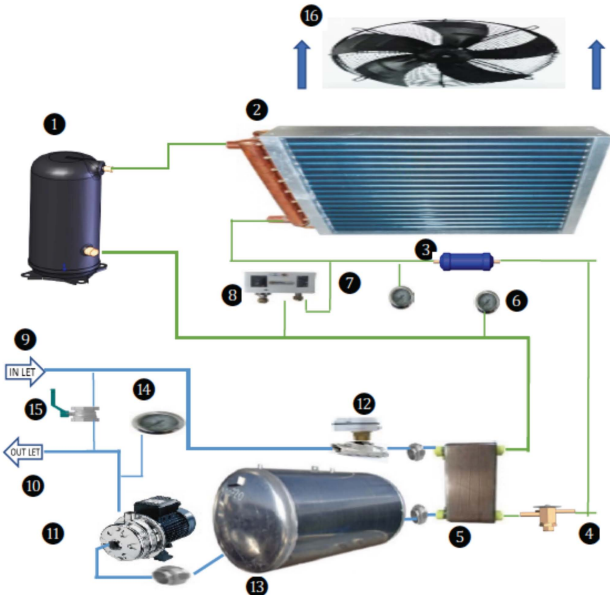


" EDS " Water Chiller Design for Asia industrial Use , Energy saving / High-efficiency /high-Quality.

"IPT " Standard Specification For Air Cooled

Model IPT	A	015	021	031	051	081	101	121	152	202	252	302	
Temperature Range	° C	Ambient Temp. +10~37 °C ; Chiller Temp. +7 ~20°C											
Refrigerant Capacity	Kw	5.3	7.1	10.6	17.5	26.5	35.1	45.3	52.2	73.1	89.8	105	
	Kcal	4,500	6,100	9,000	15,000	22,800	30,000	38,900	46,800	62,800	77,200	90,000	
Power Input	Kw	1.9	2.5	3.3	5.9	10.3	11	12	17	25	30	33	
Current	A	8	12	6.6	10	15	20	26	30	42	50	60	
Fan type	Axial Fan	no.	1	1	1	1	2	2	3	3	3	4	
	Air Flow rate	m³/h	2,300	3,400	5,200	6,500	5,200x2	6,500x2	8,400x2	8,400x2	1,320x2	1,320x2	1,320x3
Dimensions	Weight	Kg	140	180	220	270	420	580	720	860	940	1,360	1,570
	Length	mm	650		800		990		990		990		
	Width	mm	830		980		1280		1930		2580		
	Height	mm	1320		1690		2100		2100		2100		
Tank Capacity	L	30	30	70	70	160	160	160	300	300	450	450	
Water Flow rate	L/min	15	20	30	50	85	100	130	180	210	250	320	
Connect Size	inch	1/2"	1/2"	1"	1"	1-1/2"	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"	
Standard Pump (2,5 bar)	HP	0.5	0.75	1	1	1.2	2	2	3	3	4	4	
Max. operating current	Amp.	10	16	9	13	20	26	34	39	55	65	78	
Circuit Quantity	Q'ty	1							2			3	
Capacity Step Control	%	0 / 100							0 / 50 / 100			0/33/66/100	
Power Source	50Hz	1ph/220-230V			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 IPT		A	353	403	504	604
Temperature Range		° C	Ambient Temp. +10~37 °C ; Chiller Temp. +7 ~ 20 °C			
Cooling Capacity		kW	116	137	179	211
		Kcal	99,760	117,820	153,940	181,460
Power Input		kW	36	48	50	55
Current		A	67	84	100	106
Fan type	Axial Fan	Q'ty	5	5	4	4
	Air Flow rate	m³/h	1,320x3	1,320x3	1,320x4	1,320x6
Dimensions	Weight	Kg	1,860	2,000	2,400	2,600
	Length	mm	990		2000	2000
	Width	mm	3300		2140	2140
	Hight	mm	2150		2500	2500
Tank Capacity		L	450	450	600	600
Water Flow Rate		L/min	360	420	510	650
Connect Size		inch	3"	3"	3"	3"
Standard Pump (2,5 bar)		HP	4	5.5	5.5	7.5
Max. operating current		Amp.	87	109	130	138
Circuit Quantity		Q'ty	3		4	
Capacity Step Control		%	0 / 33 / 66 / 100		25/50/75/100	
Power Source		50Hz	3 ph / 380-420V			
Compressor Type		-	Hermetic Scroll			
Refrigerant		-	R22 / (Option) R134a / R407c			



IPT-202 ACP322

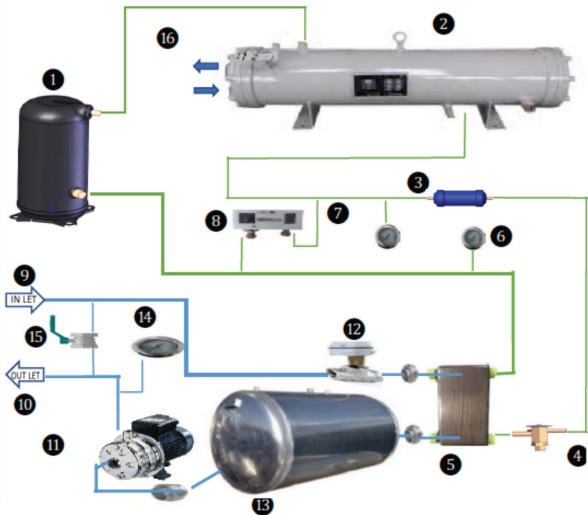
- Pump hp 0=no pump 0.5/0.75/1/1.2/1.5/2/2.5/3/...
- Refrigerant 2=R22 / 3=R134a / 4=R407c
- Power source 1=1ph/230v / 3=3ph380-420v
- Chiller Type P=Plate / S=shell and tube / T=tube
- Water Tank Type C=close / O=open
- Air Cooled Chiller series
- Circuit Quantity 1 / 2 / 3 / 4
- Cooling Capacity Tons
- Type T=Water supply / E=Water absorption
- IP=Built-in water tank

- ① Compressor
- ② Condenser
- ③ Filter Drier
- ④ Thermo Expansion Valve
- ⑤ Plate Evaporator
- ⑥ Low Pressure Gauge
- ⑦ High Pressure Gauge
- ⑧ High/Low Pressure Switch
- ⑨ Chiller Water Inlet
- ⑩ Chiller Water Outlet
- ⑪ Water Pump
- ⑫ Flow Switch
- ⑬ Water Tank
- ⑭ Water Pressure Gauge
- ⑮ By Pass Valve
- ⑯ Fan Motors

"IPT " Standard Specification For Water Cooled

Model IPT	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"	2"	2"	2"	2"	2"	2"	2-1/2"	2-1/2"	
	Water Flow	L/mim	50	65	110	150	170	220	280	330	400	480	
Dimensions	Weight	Kg	185	225	460	530	570	610	740	860	950	1,125	1,300
	Length	mm	760				990				990		
	Width	mm	740				1280				1930		
	Hight	mm	980				1400				1400		
Tank Capacity	L	70	70	160	160	160	300	300	300	300	450	450	
Water Folw	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	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					1 (2)					3	
Capacity Step	%	0 / 100					0 / 100 (0 / 50 / 100)					0 / 33/ 66 / 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 IPT	W	503	603	703	803
Temperature Range	° C	Ambient Temp. +10~37° C ; Chiller Temp. +7~20° C			
Cooling Capacity	kW	169	211	264	285
	Kcal	145,340	181,460	227,040	245,100
Power Input	kW	26	36	42	48
Current	Amp.	57	67	84	102
Water Cooled	Connect	Inch	3"	4"	4"
	Water Flow	L/mim	600	700	800
Dimensions	Weight	Kg	1,500	1,750	1,980
	Length	mm	990		990
	Width	mm	2580		2580
	Hight	mm	1650		1650
Tank Capacity	L	550	550	700	700
Water Folw	L/min	510	650	680	870
Connect Size	Inch	3"	3"	4"	4"
Standard Pump (2,5 bar)	HP	5.5	7.5	7.5	7.5
Max. operating current	Amp.	74	87	109	133
Circuit Quantity	Q'ty	3			
Capacity Step	%	0 / 33/ 66 / 100			
Compressor Type	-	Hermetic Scroll			
Refrigerant	-	R22 / (Option) R134a / R407c			
Power Source	50Hz	3 ph / 380-420V			



IP-T-20-2-W-C-P-3-2-2

Pump hp 0=no pump 0.5/0.75/1/1.2/1.5/2/2.5/3/...
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 Power source 1=1ph/230v / 3=3ph380-420v
 Chiller Type P=Plate / S=shell and tube / T=tube
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- ⑫ Flow Switch
- ⑬ Water Tank
- ⑭ Water Pressure Gauge
- ⑮ By Pass Valve
- ⑯ Cooling Water In/Out