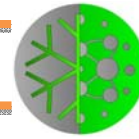


Winter-Tech



## WATER COOLED SCREWCHILLER

COOLING CAPACITY: 200 KW to 1980 KW



### Advantages:

water cooled screw chiller adopts branded screw type compressor, high efficient copper condenser, evaporator and famous control components, which features compact size, low noise & vibration, high cooling capacity, easy operation and durability.

Water cooled screw chiller has single head serious, double heads serious and four heads serious. All this kind of water cooled screw type chillers are used widely in plastic industry, electronics, plating, chemical industry, ultrasonic wave cooling, printing and others. Winter-Tech now supplies water cooled screw chillers in various standard specifications, and customer screw chillers are also welcomed to match your special needs.

### Compressor features:

- New screw type compressor with 20%-30% higher in efficiency.
- Cooling capacity control available at four steps (100%-75%-50%-25%), three steps (100%-66%-33%) or no steps control system.
- High efficiency, low noise and vibration, easy to install.
- Environmental protection refrigerant R134a, R407c available.

### Control operation system:

- SIEMENS PLC program control system, human-computer interface with big LED touch panel, running state displaying in multi-l language, and self-diagnosis for easy operation and supervision.
- Extended industrial interface, convenient for being computer monitor via network.

### Completely safety protection function:

Multi-safety protection by high and low pressure, compressor overheating, overloading, over temperature, flow switch, phase sequence, phase-missing, exhaust overheating and anti-freezing.

## WATER COOLED SCREW CHILLER TECHNICAL PARAMETER

Model		WT-200	WT-270	WT-350	WT-380	WT-460	WT-510	WT-600	WT-700	WT-750	WT-830	
Item	Cooling capacity	kcal/h	172000	232200	301000	326800	395600	438600	516000	602000	645000	713800
		KW	200	270	350	380	460	510	600	700	750	830
	Input power	KW	44	60	74	84	102	112	130	150	160	180
	Max Current	A	40	53	67	73	89	97	109	126	137	153
power source		3PH-380V-50HZ(3PH~200V/220V/415V~50HZ/60HZ)										
Refrigerant	Type	R22(R134a/R407c/R404A)										
	Charge	kg	17×2	22×2	27×2	33×2	38×2	43×2	50×2	55×2	60×2	66×2
	Control	Thermostatic expansion valve										
Compressor	Type	Semi-hermetic screw										
	Power	KW	22×2	30×2	37×2	42×2	51×2	56×2	65×2	75×2	80×2	90×2
	Start mode	Y-Δ										
	Capacity control	%	0-33-66-100				0-25-50-75-100					
Evaporator	Type	Shell and tube										
	Chilled water	m3/h	34	46	60	65	79	88	103	120	120	143
	Water pressure	KPa	35	35	35	38	40	42	42	45	45	43
	Pipe connection	Inch	4"	4"	4"	5"	5"	6"	6"	6"	8"	8"
Condenser	Type	Shell and tube										
	Cooling water	m3/h	42	57	73	80	97	107	126	146	156	174
	Water pressure	KPa	42	42	42	43	42	43	43	45	45	45
	Pipe connection	Inch	4"	4"	4"	5"	6"	4"×2	4"×2	4"×2	5"×2	5"×2
Safety devices		Compressor overheating protection,overcurrent protection,high and low pressure protection,overtemperature protection,traffic protection,phase sequence/phase loss protection,low level protection,anti-freezing protection.										
Dimension	Length	mm	2750	2800	2800	2950	2950	3150	3480	3480	3480	3650
	Width	mm	750	780	780	810	810	850	875	875	895	1120
	Height	mm	1650	1650	1650	1650	1750	1750	1850	1850	1850	1950
Net weight		kg	1650	1800	1850	2200	2450	2650	2800	2800	3450	3750
Running weight		kg	1950	2180	2240	2660	2960	3200	3380	3580	4160	4360

### Notes:

1.Rated cooling capacity is based on: the chilled water inlet and outlet temperature 12 ℃/ 7 ℃; cooling water inlet and outlet temperature 30 ℃ /35 ℃.

2.Chilled water temperature range: 5 ℃ to 30 ℃; chilled water inlet and out let temperature difference: 3 ℃ to 8 ℃; cooling water temperature range: 18 ℃ to 30 ℃;

Cooling water temperature range: 18 ℃ to 30 ℃; cooling water inlet and outlet temperature difference: 3.5 ℃ to 10 ℃.

## WATER COOLED SCREW CHILLER TECHNICAL PARAMETER

Model		WT-990	WT-1040	WT-1140	WT-1240	WT-1280	WT-1500	WT-1640	WT-1760	WT-1980	
Item	Item										
	Item										
Cooling capacity	kcal/h	851400	894400	980400	1066400	1100800	1290000	1410400	1513600	1702800	
	KW	990	1040	1140	1240	1280	1500	1640	1760	1980	
Input power	KW	206	218	236	254	262	302	334	354	398	
Max Current	A	354	374	406	436	450	520	576	612	490	
power source		3PH-380V-50HZ(200V/220V/415V 50HZ/60HZ)									
Refrigerant	Type	R22(R134a/R407c/R404A)									
	Charge	kg	82×2	88×2	94×2	100×2	110×2	121×2	132×2	143×2	165×2
	Control	Thermostatic expansion valve									
Compressor	Type	Semi-hermetic screw									
	Power	KW	103×2	109×2	118×2	127×2	131×2	151×2	167×2	177×2	199×2
	Start mode	Y-Δ									
	Capacity	%	0-25-50-75-100								
Evaporator	Type	Dry shell and tube(Stainless steel plate evaporator)									
	Chilled water	m3/h	170	179	196	213	220	258	282	303	340
	Water pressure	KPa	40	41	43	45	45	45	45	43	45
	Pipe connection	Inch	8"	8"	8"	8"	10"	10"	10"	12"	12"
Condenser	Type	Dry shell and tube evaporator									
	Cooling water	m3/h	206	216	237	257	265	310	339	364	409
	Water pressure	KPa	48	45	46	48	46	48	48	45	47
	Pipe connection	Inch	5"×2	5"×2	6"×2	6"×2	6"×2	8"×2	8"×2	10"×2	10"×2
Safety devices		Compressor overheating protection,overcurrent protection,high and low pressure protection,overtemperature protection,traffic protection,phase sequence/phase loss protection,low level protection,anti-freezing protection.									
Dimension	Length	mm	3650	3650	3750	3750	4230	4230	4350	4350	4420
	Width	mm	1120	1220	1300	1450	1380	1480	1450	1560	1650
	Height	mm	1950	1950	2100	2150	2150	2250	2250	2300	2450
Net weight	kg	3950	4100	4450	4700	5000	5250	5500	5750	6000	
Running weight	kg	4760	4770	5270	5460	5800	6100	6400	6680	6970	

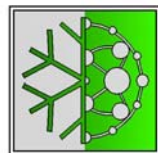
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