



Air Cooled Screw Chiller

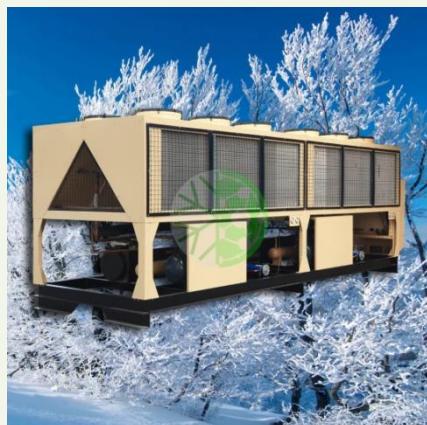
Capacity : 80 KW to 430 KW

Advantage

Air 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.

This kind of air cooled screw type chillers are used widely in plastic industry, electrons, plating, chemical industry, ultrasonic wave cooling, printing and others.

Winter-Tech now supplies air cooled screw chillers in various standard specifications, and customer screw chillers are also welcomed to match your special needs.



Compressor features

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

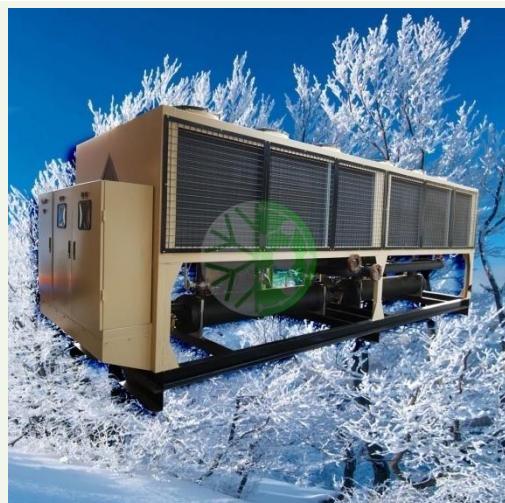


Control Operation System

1. SIEMENS PLC program control system, human-computer interface with big LED touch panel, running state displaying in multi-language, and self-diagnosis for easy operation and supervision.
2. 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.



Technical Parameter

Item	Model	80ASH	110ASH	140ASH	160ASH	190ASH	210ASH	250ASH	290ASH	310ASH	340ASH	400ASH	430ASH		
		Kcal/h	68800	94600	122980	135020	164260	180600	212420	245100	266600	292400	348300	369800	
Cooling Capacity		KW	80	110	143	157	191	210	247	285	310	340	405	430	
Input Power		KW	32.5	43.6	54.7	59.7	73..6	79.6	88.2	101.2	112.8	123.8	145	155	
Max Current		A	57	75	95	103	125	135	151	173	191	211	246	263	
Power Source			3PH~380V/415V~50HZ/60HZ(3PH~200V/220V50HZ/60HZ)												
Refrigerant	Type	R22 (R134a/R407c/R404A)													
	Charge	21	28	35	42	49	56	63	70	77	84	98	112		
	Control	Thermo static expansion valve													
Compressor	Type	Semi-hermetic screw													
	Power KW	30	40	50	55	67	73	82	95	104	115	134	142		
	Star mode	Y-Δ													
Evaporator	Capacity %	0-33-66-100	0-25-50-75-100												
	Type	Shell & Tube													
	Chilled Water m3/h	13.8	18.9	24.6	27.0	32.8	36.1	42.5	49.0	53.3	58.4	70.0	74.0		
Fan	Water Pressure KPa	32	32	35	38	42	42	45	43	43	43	41	43		
	Pipe Conn Inch	3"	3"	3"	4"	4"	4"	4"	4"	5"	5"	6"	6"		
Condensor	Type	Air cooled type high efficiency alumunium fins with cooper tube													
Fan	Type	Large air volume, low noise router rotor fan/Alumunium axial fan													
	Power KW	0.42x6	0.6x6	0.78x 6	0.78x6	1.1 x 6	1.1x6	0.78x8	0.78x8	1.1x8	1.1x8	1.1x10	1.1x12		
	Air Volume m3/h	30000	40000	50000	60000	70000	80000	90000	100000	110000	116000	145000	165000		
Safety Device			Compressor overheating protection, over current protection, high and low pressure protection, over temperature protection, traffic protection, phase sequence/phase loss protection, low level protection, anti-freering protection.												
Dimension	Length mm	2200	2350	2600	2600	2650	2650	3400	3400	3800	3800	4800	5800		
	Width mm	1150	1350	1500	1500	1900	1900	1700	1700	1900	1900	1900	1900		
	Height mm	1980	2000	2100	2100	2200	2200	2200	2200	2200	2200	2200	2200		
Net Weight Kg		1100	1300	1600	1900	2200	2350	2550	2800	2850	2950	3200	3550		
Running Weight Kg		1300	1500	1840	2200	2530	2700	2950	3250	3350	3560	3650	3950		

Note:

- Rate cooling capacity is based on: the chilled water inlet and outlet temperature $12^{\circ}\text{C}/7^{\circ}\text{C}$; cooling air inlet and outlet temperature $30^{\circ}\text{C}/35^{\circ}\text{C}$
- Scope of work: chilled water temperature range: 5°C to 30°C ; chilled water inlet and outlet temperature difference.: 3°C to 8°C .
- Best cooling temperature range: $15\text{--}30^{\circ}\text{C}$; recommend to use in ambient temperatures below 38°C ; cooling air inlet and outlet temperature

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