



Hermetic cooling water tower

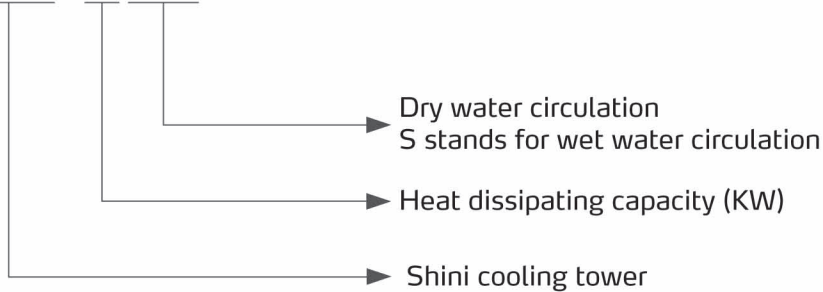
SDC-90WS



Refer carefully to this manual before operation.

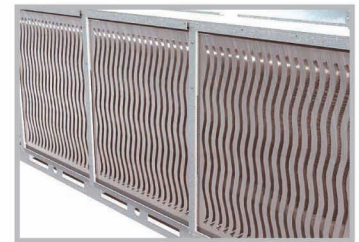
■ Coding Principle

SDC - xx W(S)

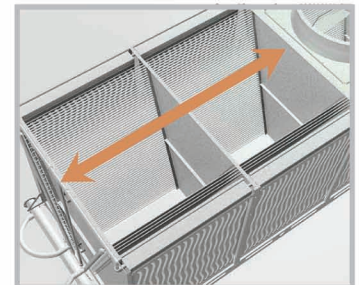


■ Features

- Modular design and easy capacity expansion help to reduce the impact of failure maintenance;
- Easy installation: small modular volume, convenient transportation, which only needs to connect the power supply and water pipe to put into operation.
- Economic energy saving: take ambient air as the cooling medium without the compressor to save the cost, and the whole water loop adopts hermetic circulation with little water consumption that greatly saves the resource.
- Aluminum air filter that is easy to clean.
- Evaporative wet curtain: In the summer, it can directly spray the running water to improve the heat exchange efficiency and maintain constant water temperature in the process. The spraying time is unlimited, high efficient and maintenance-free.
- Super wide heat exchanger
- Equipped with temperature control meter for temperature display at any moment;
- Equipped with anti-freezing measures and the ambient temperature is lower than 5°C, which can drain water automatically.



Evaporative wet curtain

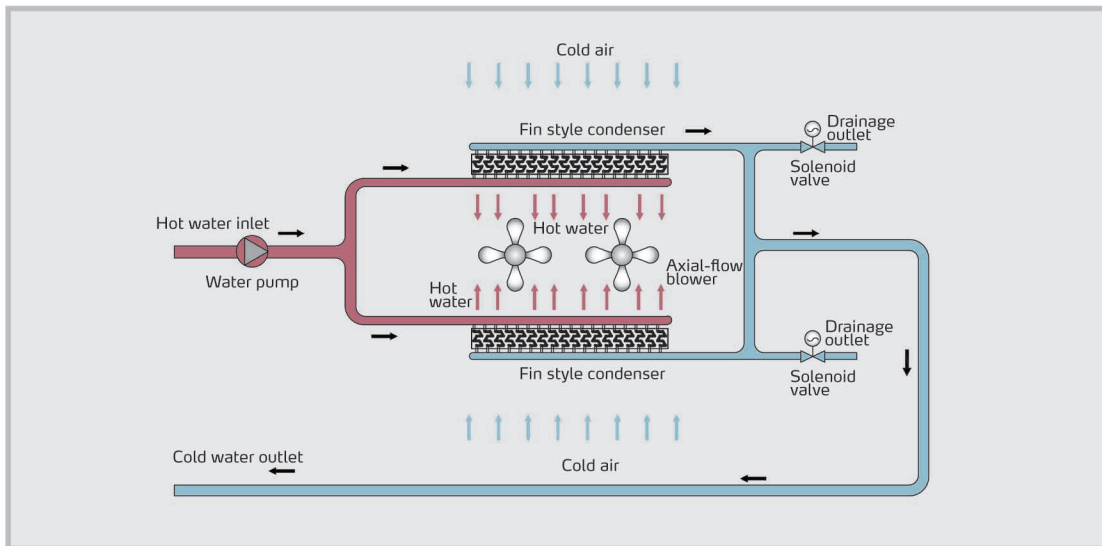


Wide type heat exchanger

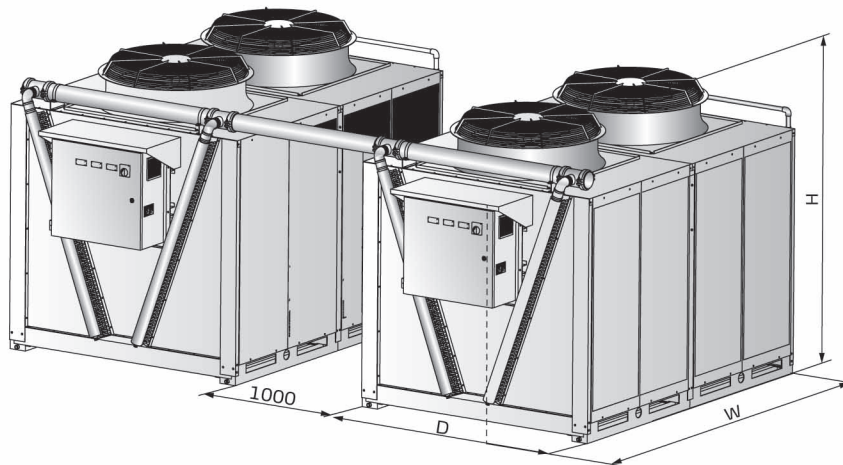
■ Applicable scope

As the clean cooling water is available, it's widely used in the industries with high demands of the cooling water quality, such as the electronic, food, chemical, casting, air conditioner and refrigeration industries. It's able to be applied for mould cooling to reduce the product's molding cycle, which also can be used for equipment cooling to ensure that the equipment is maintained at normal temperature, or other working areas which need cooling.

Working principle



Outline Drawings



Specification

Machine Model		SDC-45WS	SDC-90WS
Refrigeration capacity	kW	45	90
Blower	n	1	2
Blower power	kW	2.2	4.4
Air quantity	m ³ /h	24000	48000
Max. current	A	5.0	10.0
Rated water flow rate	m ³ /h	10	20
L	mm	1774.5	2974.5
W	mm	1804	1804
H	mm	1962	1962
Water pipe connection mode	Flange or clamp		
Pipe dimension	DN	40	100

Grouping	Model	Type
Module combination	SDC-180WS	2×90WS
	SDC-270WS	3×90WS
	SDC-360WS	4×90WS

Notes: 1) Above data is obtained on the basis of power 400V/3 ϕ /50Hz, sea level mounted, and working environment specified in the operation manual.

2) Dry working condition: The ambient air dry-bulb temp. is 27°C. The process inlet water temp. is 37°C, and the outlet water temp. is 32°C.

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