Yuan, means beginning and huge;
Heng, means to be prosperous;
In order to express this kind of virtue exquisitely in the world,
there must be an energetic gumption;
Comply with the natural law, and keep pace with the times;
There was no feat of which he was not capable.
That is “Yuanheng”

YUANHENG

YHW

RECTANGULAR OPEN TYPE CROSS-FLOW COOLING TOWER

High Efficiency
Energy Conservation
Water Conservation
Land-saving
Low Noise
Reliability
Intellectualization

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YHKJ2018/11/3000C

YHW

Win-win and sharing
to achieve a wonderful world

YUANHENG

CONTENT

Qualification and Certification 03

Excellent Performance 04

Leading Technologies 05/06

Structural Configuration Illustration 07

Model Description 08

Drawings and Technical Parameters 09/20

Selection of Control Cabinet and Cable
Recommendation for Common Motor Power (Optional) 21/22

Qualification and Certification

- GB/T19001-2008 idt ISO9001:2008 Quality Management System Certification
- GB/T24001-2004 idt ISO14001:2004 Environmental Management System Certification
- GB/T28001-2011 idt OHSAS18001: 2007 Occupational Health Safety Management System Certification

- China's Energy Conservation Product Certification
- China's Water-saving Product Certification
- CCTI Cooling Tower Performance Evaluation
- American Cooling Technology Institute CTI Certification

- Drafting Unit of Cooling Tower National Standard
- Drafting Unit of Cooling Tower Energy Conservation Technical Specification
- Drafting Unit of Engineering Design Specification of District Cooling System

- High-tech Enterprise
- Listed in Government Procurement List of National Energy Conservation Products

- Full-performance Testing Platform of Cooling Tower in line with American CTI Standard and Chinese National Standard

COOLING TECHNOLOGY INSTITUTE

CCTI

CHINA CERTIFICATE For WATER CONSERVATION PRODUCT

CHINA QUALITY CERTIFICATION CENTRE

CHINA CERTIFICATE For ENERGY CONSERVATION PRODUCT

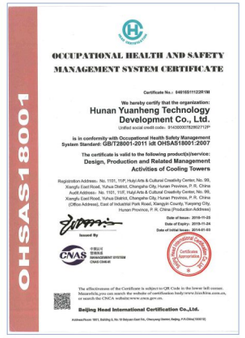
CHINA QUALITY CERTIFICATION CENTRE

QUALITY MANAGEMENT SYSTEM CERTIFICATE

ISO9001

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

ISO14001


OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

OHSAS18001

Excellent Performance

YUANHENG

Optimize lifecycle costs

Improve the efficiency of resource utilization

The cooling tower is relatively low in investment, but it is of great value. Its thermal performance, power consumption ratio, drift water rate, noise, floor space, reliability and intelligent level play a vital role in the cooling system and even the whole building and surrounding environment.

All indicators of Yuanheng YHW line have reached the world's leading level, providing a number of free technical services, the industry's best products, services and solutions.

High Efficiency

High Efficiency: A total of 226 models have been certified by CTI. Thermal performance is absolutely guaranteed. You don't have to worry that the whole cooling system can not meet the design requirements because of the insufficient thermal performance of the cooling tower. You don't have to worry that the energy consumption of the whole system will be greatly increased because of the insufficient thermal performance of the cooling tower.

Energy Conservation

Energy-saving products can achieve win-win results for both users and the society, which can not only reduce users' operating costs but also achieve sustainable development of the society. A total of 127 models of YHW series have obtained China's energy conservation product certification.

Water Conservation

The national inspection agency detects that the drift rate is as low as 0.00092%, and the waste of water resources and the impact on the environment are minimized. A total of 154 models in the YHW series have obtained China's water-saving product certification.

Land-saving

Land-saving: Land resources are becoming more and more valuable. The YHW line has many models that can save floor space. We can provide the optimal cooling tower land-saving solution.

Low Noise

Low Noise: A number of noise reduction technologies are applied. Ultra-low noise cooling tower has been tested by the national testing agency for noise reduction as low as 55.7dB(A), providing you with abundant low-noise products, free noise simulation services and noise reduction solutions, enabling you to completely eliminate worries about the impact of the cooling tower on the environment.

Reliability

The transmission system, structural design and transmission and distribution system adopt scientific calculation to conduct high reliability design and select first-class parts. The design, production, installation and service are all managed strictly in accordance with the ISO9001 quality management system to provide you with stable, reliable and trustworthy products and services.

Intellectualization

Intellectualization: The control system has the functions of water temperature monitoring, stepless automatic energy saving operation, variable flow operation, anti-freezing operation, water quality monitoring and motor fan monitoring, so as to make the cooling tower operating like a smart brain to aid.

Leading Technologies

As a new generation product of Yuanheng, YHW adopts the new design idea and the automatic assembly line manufacturing through advanced production technology, and coordinates with the application of perfect testing methods and quality control procedures. It is a new type of open cross-flow cooling tower with the characteristics of reliability, high efficiency, energy saving, water saving, low noise, compactness and simple site assembly.

Axial Fan

- YHW series uses patented streamlined airfoil fan, aluminum alloy material, air volume can be adjusted, with the characteristics of light weight and high strength.
- The design is strictly in accordance with the high-efficiency zone in the fan characteristic curve. The total pressure efficiency is 5-8% higher than that of the conventional fan blade. When the actual working condition deviates from the design point, the total pressure efficiency of the fan changes little.
- The fan blades tip speed of YHW line is less than 60m/s, the effective use period of equipment is up to 20 years, and it can effectively reduce noise.
- The inner wall of the fan cylinder is smooth, and the air gap precision of the fan blade tip is strictly controlled, which can effectively reduce the wind resistance, and the blade angle can be adjusted to ensure the fan operation efficiency.

High-strength Structure Design

- The frame is made of high-quality and high-strength hot dip galvanized steel. The columns are designed as a whole, and the structural stability of the tower is enhanced with reasonably arranged beam and cable-stayed device. The force of the transmission system is directly transferred to the basic plane of the cooling tower, which has excellent stability.
- The structure of the transmission system is verified by computer simulation to strengthen the design, which ensures smooth operation of fans, and the vibration value of the whole line is controlled within the standard and reliable range.
- The design of long span beam is verified by computer aided calculation and entity model. The deflection values of the whole line are controlled within the reliable standard range. They can withstand the loads of typhoons of magnitude 12 and earthquake intensity of magnitude 8.

Even Water Distribution

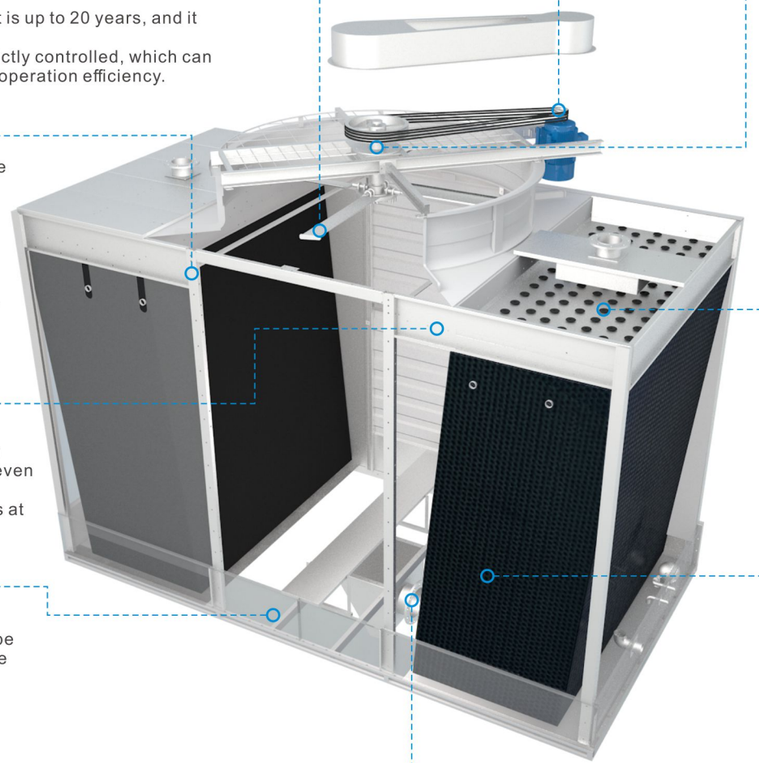
- YHW line water distribution nozzles have abundant choices. According to the hydraulic characteristics of different nozzles and the changes of liquid level of the hot water basin when actually running, the spacing and number of nozzles are optimized reasonably to ensure the even distribution of water and the full play of heat transfer performance of fillings.
- When the load of cooling and heating system varies greatly and the cooling water system runs at variable flow rate, users can choose variable-flow nozzles to improve the cooling efficiency.

High Anti-corrosion and Anti-leak Collecting Basin

- It adopts the patented technology of water collection basin, the side of basin is made of Z700 high galvanized sheet, the bottom and frame of basin are fastened with special waterproof tape and stainless steel bolts. Meanwhile, high sealing pressure is maintained by self-gravity of the tower, and the leakage proof reliability is very high.
- The FRP with high corrosion resistance and UV-resistant stabilizer is used in the bottom of basin, which is stable and reliable for long-term continuous operation.
- It adopts the design principle of draining at the lowest point of basin, the water drain has no dead corner and is easy to clean and maintain.
- Water make-up in basin is controlled by adjustable stainless steel float valve. It is suitable for water pressure of (0.6MPa or less) and water temperature of (85 C or less). It has the characteristics of compact structure, convenient installation and maintenance, reliable opening and closing action and high sensitivity.

Intelligent Electrical Control (Optional)

- Cooling water temperature monitoring and stepless automatic energy saving operation control system.
- Automatic control system for cooling system variable-flow and tower group hydraulic balance.
- A protective control system integrating multiple protective functions, such as the wrong phase of the motor (monitoring the rotation of the fan), phase break, overheating, etc.
- Fan vibration switch control and time delay, manual / remote transmission reset function control system.
- Water collection basin liquid level monitoring and automatic adjustment system.
- Automatic control system for water collection basin anti-freezing electrical heating.
- Cooling water quality monitoring and automatic maintenance control system.



Drive System

- Use special totally-enclosed waterproof low noise motor. In addition to standard motor, YHW also provides a variety of optional motors to meet the special needs of different projects, including two-speed motor, variable frequency motor, explosion-proof motor, etc.
- The anti-skid belt adopts multi-groove transmission type, which has the advantage of high lateral rigidity. It is made of neoprene and polyester thread. It is designed reliably according to 150% motor rated power and durable.
- The speed reducer has high manufacturing precision, high transmission efficiency, low noise, long service life, convenient maintenance and repair.
- Imported NSK bearing is adopted, which has long service life, high precision, low heat generation, high rigidity, low noise and strong wear resistance.
- Gear reducer can be selected according to customer requirements.

Noise Control

- The location and orientation of the cooling tower can be simulated by computer (the service can be provided by Yuanheng sales and technical engineer), and the muffled fan cylinder can be installed in the non-noise sensitive direction.
- When the cooling system load is adjustable, use multiple cell to adjust, or use two-speed motor, variable frequency motor to adjust, which can reduce the cooling tower operating noise.
- The operation noise can be effectively reduced by enlarging size and reducing fan speed.
- Low noise fan produces 4-7dB (A) noise reduction compared to standard fan. This fan adopts non-twisted and unequal width blade which is composed of airfoil and bending plate "flaps".
- Ultra-low noise fan produces 8-15dB (A) noise reduction compared to standard fan. This fan is designed with forward swept twisted blade with large width.
- The noise level can be greatly reduced by adding air intake and exhaust mufflers in places that are extremely sensitive to noise. When the technical measures are adopted, the external static pressure loss must be considered to check whether the motor's rated power is satisfied.

Filling

- Fillings are made of PVC, with self-extinguishing characteristics, with ultra-high fire protection rating, which meets or exceeds the standard of "CTI STD-136", with UV resistance and strong weathering resistance. It is hardly affected by chemical degradation of acid and alkali, fat, oils and biological breeding (such as algae).
- Fish ridge surface design is adopted on the filling surface to make water distribute more evenly. The design strictly follows the heat dissipation KaV/L characteristic curve and pressure drop characteristic curve tested by experiments. Excellent water and gas management level has constructed YHW heat dissipation system with high efficiency and high performance.

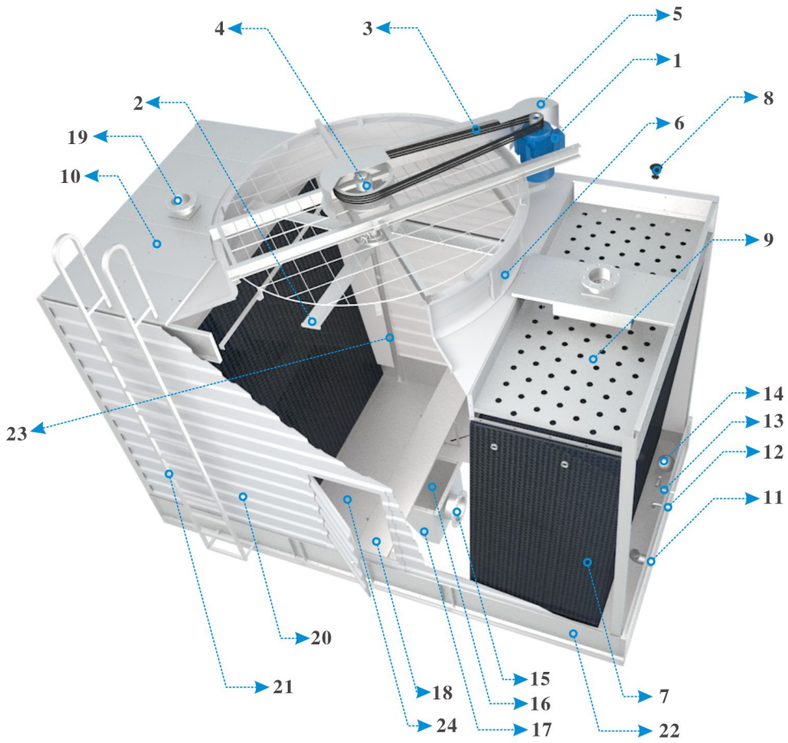
Excellent Anti-drift Design

- Efficient water retaining design is adopted in sprinkler area to eliminate the problem of drifting caused by the interference of high-speed transverse air flow in water distribution.
- There are honeycomb combined edges at the inlet and outlet of the filling, which are designed strictly according to the optimal economic wind speed and following the cross-flow characteristics of air and water. The filling is installed at an inclined angle of 5.5 degrees to avoid splashing and reduce the loss of drifting water.
- The filling is suspended, and the suspension point is strengthened by multi-loops to prevent deformation damage caused by additional forces. And the suspension support is designed to be flat, so as to avoid the failure of water film forming by the support body, resulting in heat transfer and drift water loss.

Stable and Economic Operation of Cooling Water Transportation and Distribution System

- The inlet and outlet of YHW line are designed with the optimal pipe diameter in accordance with the economic flow rate of pipeline transmission and distribution, which can save the initial investment and operation cost of cooling water transmission and distribution system.
- The storage capacity of the water collection basin is large, which can avoid the overflow of the cooling system. And the design of bottom wedge-shaped hanging central sump completely eliminates the vacuum phenomenon, preventing air into the pipeline leading to the pump operation instability.
- Wedge-shaped hanging central sump is designed with a removable stainless steel filter net, which can effectively filter impurities in the basin and prevent them from entering the pipe system and causing unsmooth or blocked faults.
- Unique internal piping, hydraulic balance of water distribution on both sides of a single cell, simple on-site pipe connection and effective prevention of fire accidents by welding (customers can select internal pipe according to requirements).

Configuration Illustration



No.	Name	Material
1	Motor	Totally Enclosed, IP55, Outdoor
2	Fan	Al Alloy Blade, Cast Steel Hub
3	Belt	Rubber
4	Speed Reducer	Cast Iron
5	Belt Guard	FRP
6	Fan Cylinder	FRP
7	Filling	Fire Retardant PVC
8	Nozzle	PP
9	Hot Water Basin	Z700
10	Hot Water Basin Cover	Z700
11	Overflow Connector	SUS304
12	Quick Make-up Connector	SUS304

No.	Name	Material
13	Auto Make-up Connector	SUS304
14	Float Valve	SUS304
15	Outlet Flange	HDGS
16	Strainer	SUS304
17	Central Sump	HDGS
18	Walkway	Z700
19	Inlet Flange	HDGS
20	Casing	FRP
21	Ladder	HDGS
22	Basin Side	Z700
23	Framework	HDGS
24	Basin Bottom	FRP

Model Description

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❶		❷	❸	❹	❺	❻
YHW	—	1501	S	X	blank	*cells

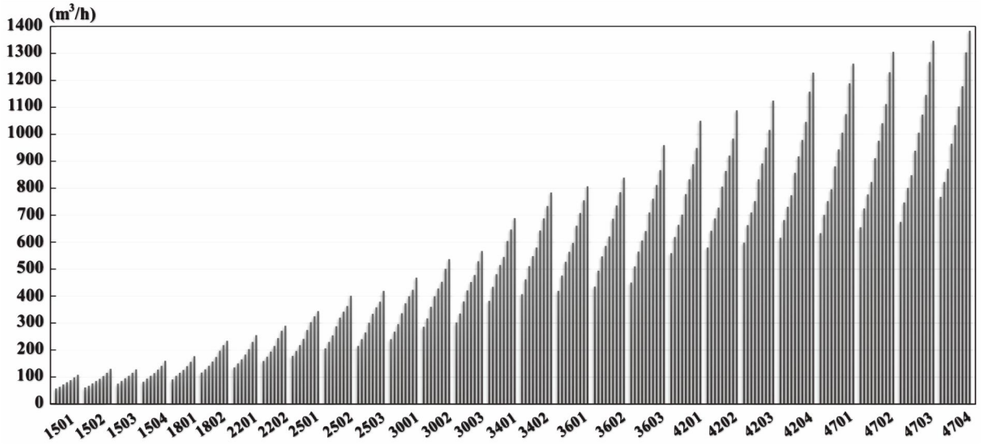
❶ : **Product Line: refer to open type cross flow cooling tower.**
❷ : **Product Module: refer to the module of cooling tower.**
❸ : **Motor Code: refer to the motor model size.**
❹ : **Filling Code: refer to the filling model type.**
❺ : **Suffix Code: No suffix: the casing, bottom basin, fan cylinder and other parts is FRP;**
-SZ: the casing, bottom basin and other parts are Galvanized steel plate, and the fan cylinder is HDGS;
-S: the casing, bottom basin, fan cylinder and other parts is 304 Stainless Steel;
-SD: the casing, bottom basin and other parts are Aluminized magnesia zinc plate, and the fan cylinder is HDGS;
-SL: the casing, bottom basin and other parts are Aluminized zinc plate, and the fan cylinder is HDGS.
❻ : **Number of Cells: If more than 1, it represents the actual number of assembly cells; blank represents a single cell.**

For example:

For example: YHW-1501-SX-SZ*4 represents YHW rectangular cross-flow cooling tower 1501 module, motor power 3 kW, X-type filling, the casing, bottom basin and other parts are galvanized steel plate, and the fan cylinder is HDGS; the actual number of assembly cells is 4.

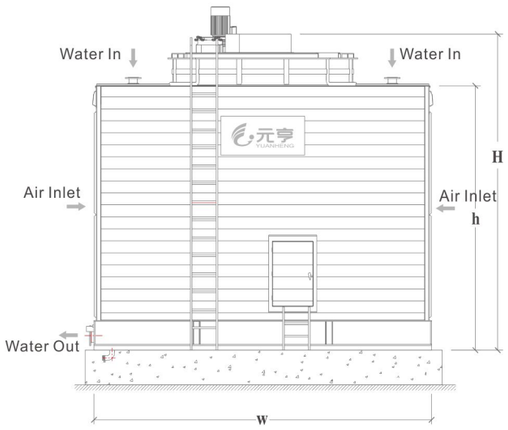
Range of water handling capacity of YHW cooling tower

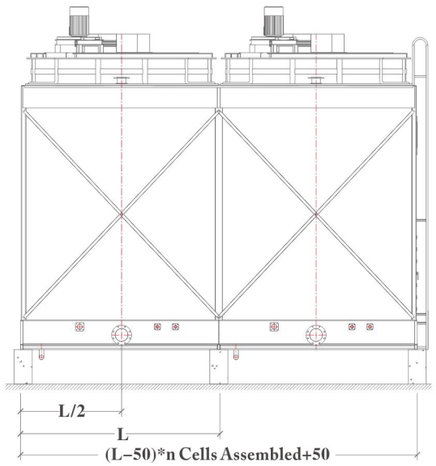
Cooling flow rate of single tower: 57-1384 m^3/h

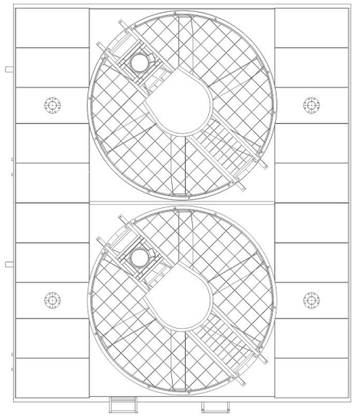


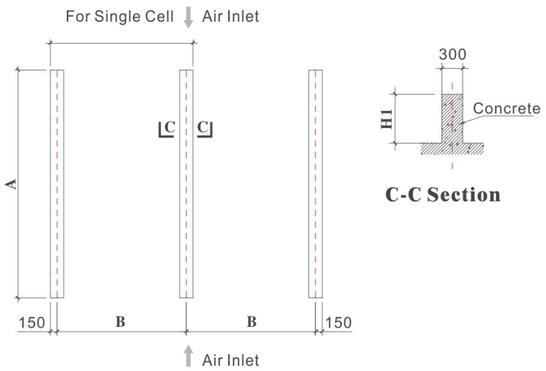
Reasonable model distribution, large range of cooling water, to provide you with a richer choice.

Drawings and Technical Parameters (YHW-1501~1802)

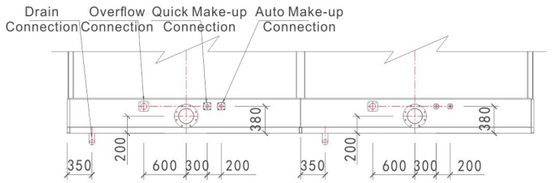








C-C Section



Pipes Connecting Parameters Table

Outlet Flange Diameter	E	F	G	Remarks
	mm	mm	mm	
DN125	/	/	/	No central sump, water out from side of bottom basin
DN150	/	/	/	
DN200	600	500	200	Water out from central sump

Note: when the outlet flange of YHW-1501-1802 is DN200, water out from the central sump. Please refer to the drawing on page P11 for the outline drawing and the pipes connecting drawing. Please refer to the foundation parameter table for the height of the foundation.

Foundation Parameters Table

Model	A	B	H1	Remarks
	mm	mm	mm	
YHW-1501	3700	1710	>300	Water out from side of bottom basin
YHW-1502				
YHW-1503	4300	1710	>300	Water out from side of bottom basin
YHW-1504DY…YHW-1504LY	4300	1710	>300	
YHW-1504PY…YHW-1504QY	4300	1710	>600	Water out from central sump
YHW-1801DY…YHW-1801MY	4600	2010	>300	Water out from side of bottom basin
YHW-1801LY…YHW-1801QY	4600	2010	>600	Water out from central sump
YHW-1802EY…YHW-1802SY	4600	2010	>300	Water out from side of bottom basin
YHW-1802MY…YHW-1802VY	4600	2010	>600	Water out from central sump

Note:
1.Please refer the foundation parameter table for the concrete foundation dimensions of a single cell.
2.When multiple cells are assembled, the concrete foundation height shall meet the size requirements of the single cooling tower and the installation height of the system pipelines at the same time.
3.When section steel foundation is needed for site installation, please consult the sales or technical personnel of Yuanheng.
4.Cooling tower should be placed and installed in a well-ventilated and open place to ensure smooth air in and out of the equipment and avoid noise pollution.

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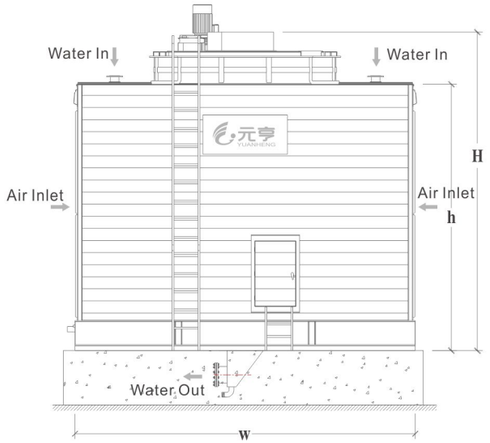
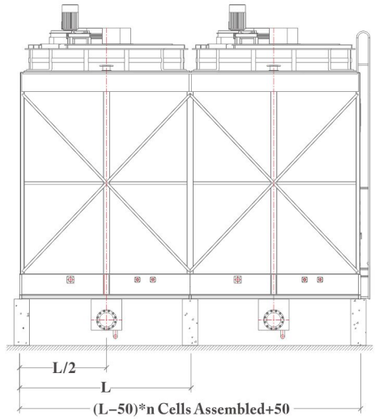
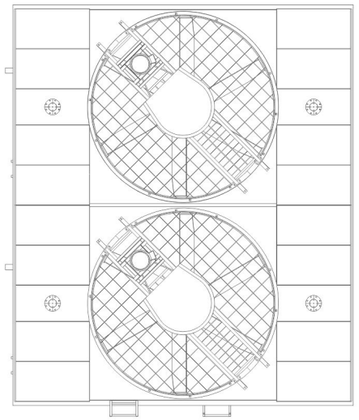
Model	Flow Rate	Power System		Outline Dimension				Pump Head	Weight		Connection Diameter					
		Motor	Fan	L	W	H	h		Dry Weight	Operation Weight	Inlet	Outlet	Overflow	Auto Make-up	Quick Make-up	Drain
	m^3/h	kW	mm	mm	mm	mm	mm	mH_2O	kg	kg	DN	DN	DN	DN	DN	DN
1501CX	57	1.1	1500	1750	3450	3400	2750	3.6	1050	2440	2-80	125	80	20	20	50
1501DX	63	1.5									2-80	125	80	20	20	50
1501EX	72	2.2									2-80	125	80	20	20	50
1501SX	80	3									2-100	125	80	20	20	50
1501MX	88	4									2-100	125	80	20	20	50
1501LX	98	5.5									2-100	150	80	20	20	50
1501PX	108	7.5									2-100	150	80	20	20	50
1502CX	61	1.1	1500	1750	3450	3810	3160	4	1120	2750	2-80	125	80	20	20	50
1502DX	67	1.5									2-80	125	80	20	20	50
1502EX	76	2.2									2-100	125	80	20	20	50
1502SX	85	3									2-100	125	80	20	20	50
1502MX	93	4									2-100	150	80	20	20	50
1502LX	103	5.5									2-100	150	80	20	20	50
1502PX	115	7.5									2-125	150	80	20	20	50
1502QX	130	11									2-125	150	80	20	20	50
1503DY	75	1.5	1500	1750	4050	3190	2540	3.3	1130	2760	2-100	125	80	20	20	50
1503EY	85	2.2									2-100	125	80	20	20	50
1503SY	95	3									2-100	150	80	20	20	50
1503MY	104	4									2-100	150	80	20	20	50
1503LY	115	5.5									2-125	150	80	20	20	50
1503PY	128	7.5									2-125	150	80	20	20	50
1504DY	82	1.5	1500	1750	4050	3810	3160	4	1250	3310	2-100	150	80	25	25	50
1504EY	94	2.2									2-100	150	80	25	25	50
1504SY	104	3									2-100	150	80	25	25	50
1504MY	114	4									2-125	150	80	25	25	50
1504LY	127	5.5									2-125	150	80	25	25	50
1504PY	141	7.5									2-125	200	80	25	25	50
1504QY	160	11									2-125	200	80	25	25	50
1801DY	91	1.5	1800	2050	4350	3400	2750	3.6	1310	3540	2-100	150	80	25	25	50
1801EY	104	2.2									2-100	150	80	25	25	50
1801SY	115	3									2-125	150	80	25	25	50
1801MY	126	4									2-125	150	80	25	25	50
1801LY	140	5.5									2-125	200	80	25	25	50
1801PY	156	7.5									2-125	200	80	25	25	50
1801QY	177	11									2-150	200	80	25	25	50
1802EY	116	2.2	1800	2050	4350	4020	3370	4.2	1460	4400	2-125	150	80	25	25	50
1802SY	128	3									2-125	150	80	25	25	50
1802MY	141	4									2-125	200	80	25	25	50
1802LY	157	5.5									2-125	200	80	25	25	50
1802PY	174	7.5									2-125	200	80	25	25	50
1802QY	197	11									2-150	200	80	25	25	50
1802RY	218	15									2-150	200	80	25	25	50
1802VY	234	18.5									2-150	200	80	25	25	50

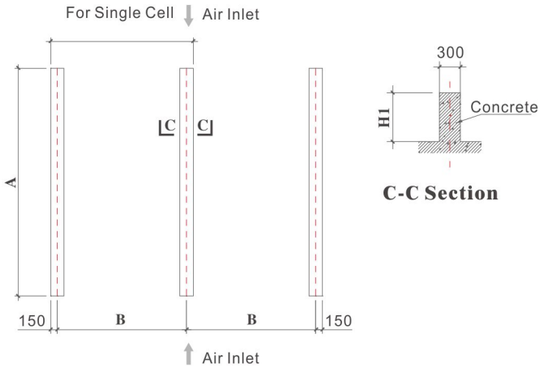
Note: Standard design conditions: water inlet temperature 37℃, water outlet temperature 32℃, wet-bulb temperature 28℃, dry-bulb temperature 31.5℃, atmospheric pressure 99.4KPa.

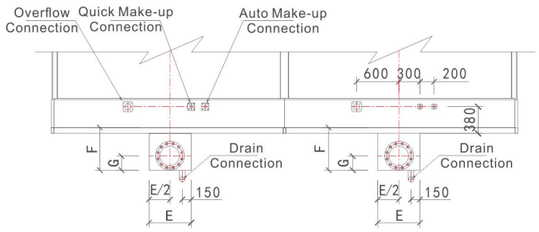
Drawings and Technical Parameters (YHW-2201~2503)











Pipes Connecting Parameters Table

Outlet Flange Diameter	E	F	G	Remarks
	mm	mm	mm	
DN200	600	500	200	Water out from central sump
DN250	600	500	200	

Note: The outlet mode and central sump size are determined according to outlet flange diameter.

Foundation Parameters Table

Model	A	B	H1	Remarks
	mm	mm	mm	
YHW-2201	5000	2410	>600	Water out from central sump
YHW-2202				
YHW-2501	5300	2710	>600	Water out from central sump
YHW-2502				
YHW-2503				

Note:
1.Please refer the foundation parameter table for the concrete foundation dimensions of a single cell.
2.When multiple cells are assembled, the concrete foundation height shall meet the size requirements of the single cooling tower and the installation height of the system pipelines at the same time.
3.When section steel foundation is needed for site installation, please consult the sales or technical personnel of Yuanheng.
4.Cooling tower should be placed and installed in a well-ventilated and open place to ensure smooth air in and out of the equipment and avoid noise pollution.

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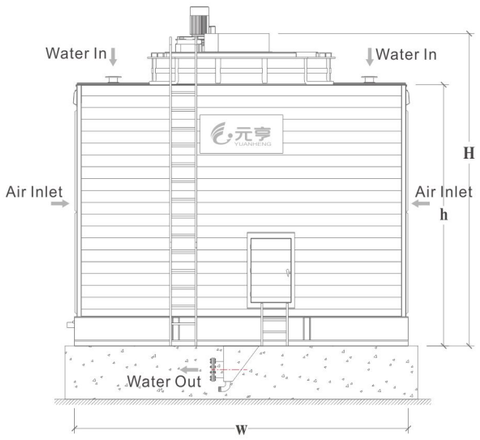
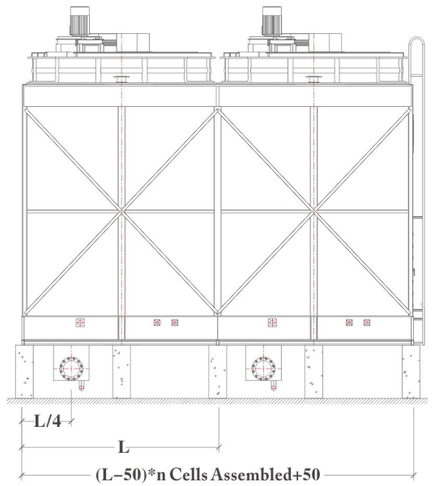
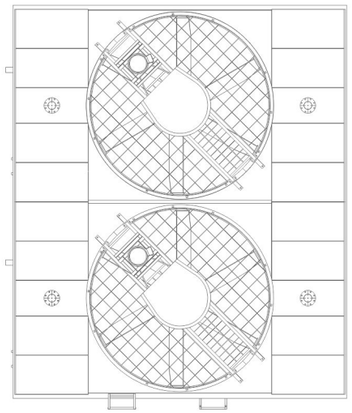
Model	Flow Rate	Power System		Outline Dimension				Pump Head	Weight		Connection Diameter					
		Motor	Fan	L	W	H	h		Dry Weight	Operation Weight	Inlet	Outlet	Overflow	Auto Make-up	Quick Make-up	Drain
	m^3/h	kW	mm	mm	mm	mm	mm	mH_2O	kg	kg	DN	DN	DN	DN	DN	DN
2201EY	135	2.2	2200	2450	4750	3870	3160	4	1610	4870	2-125	200	80	25	25	80
2201SY	150	3									2-125	200	80	25	25	80
2201MY	165	4									2-125	200	80	25	25	80
2201LY	183	5.5									2-150	200	80	25	25	80
2201PY	203	7.5									2-150	200	80	25	25	80
2201QY	230	11									2-150	200	80	25	25	80
2201RY	255	15									2-150	200	80	25	25	80
2202SY	159	3	2200	2450	4750	4280	3570	4.4	1760	5480	2-125	200	80	25	25	80
2202MY	175	4									2-125	200	80	25	25	80
2202LY	194	5.5									2-150	200	80	25	25	80
2202PY	215	7.5									2-150	200	80	25	25	80
2202QY	244	11									2-150	200	80	25	25	80
2202RY	271	15									2-200	250	80	25	25	80
2202VY	290	18.5									2-200	250	80	25	25	80
2501SY	178	3	2500	2750	5050	4300	3570	4.4	1960	6400	2-150	200	80	25	25	80
2501MY	196	4									2-150	200	80	25	25	80
2501LY	218	5.5									2-150	200	80	25	25	80
2501PY	241	7.5									2-150	200	80	25	25	80
2501QY	274	11									2-200	250	80	25	25	80
2501RY	303	15									2-200	250	80	25	25	80
2501VY	325	18.5									2-200	250	80	25	25	80
2501KY	344	22									2-200	250	80	25	25	80
2502MY	206	4	2500	2750	5050	4720	3990	4.8	2140	7140	2-150	200	80	25	25	80
2502LY	230	5.5									2-150	200	80	25	25	80
2502PY	254	7.5									2-150	200	80	25	25	80
2502QY	288	11									2-200	250	80	25	25	80
2502RY	320	15									2-200	250	80	25	25	80
2502VY	342	18.5									2-200	250	80	25	25	80
2502KY	363	22									2-200	250	80	25	25	80
2502JY	401	30									2-200	250	80	25	25	80
2503MY	215	4	2500	2750	5050	5130	4400	5.2	2320	7600	2-150	200	80	25	25	80
2503LY	240	5.5									2-150	200	80	25	25	80
2503PY	265	7.5									2-150	200	80	25	25	80
2503QY	301	11									2-200	250	80	25	25	80
2503RY	334	15									2-200	250	80	25	25	80
2503VY	358	18.5									2-200	250	80	25	25	80
2503KY	379	22									2-200	250	80	25	25	80
2503JY	419	30									2-200	250	80	25	25	80

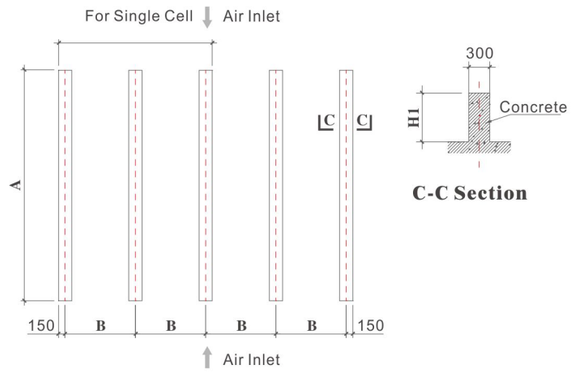
Note:
1.Standard design conditions: water inlet temperature 37℃, water outlet temperature 32℃, wet-bulb temperature 28℃, dry-bulb temperature 31.5℃, atmospheric pressure 99.4KPa.
2.YHW-2201~2503 water out from the central sump. Please refer to the foundation parameter table and pipes connecting parameters table for the size of central sump and height of foundation.

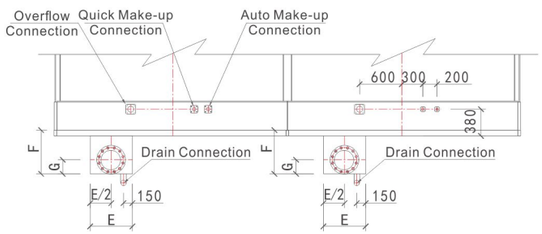
Drawings and Technical Parameters (YHW-3001~3402)











Pipes Connecting Parameters Table

Outlet Flange Diameter	E	F	G	Remarks
	mm	mm	mm	
DN200	600	500	200	Water out from central sump
DN250	600	500	200	
DN300	800	650	250	Water out from central sump
DN350	800	650	250	

Note: The outlet mode and central sump size are determined according to outlet flange diameter.

Foundation Parameters Table

Model	A	B	H1	Remarks
	mm	mm	mm	
YHW-3001	5800	1600	>600	Water out from central sump
YHW-3002LY…YHW-3002RY	5800	1600	>600	Water out from central sump
YHW-3002VY…YHW-3002NY	5800	1600	>750	
YHW-3003LY…YHW-3003QY	5800	1600	>600	Water out from central sump
YHW-3003RY…YHW-3003NY	5800	1600	>750	
YHW-3401PZ	6800	1800	>600	Water out from central sump
YHW-3401QZ…YHW-3401HZ	6800	1800	>750	
YHW-3402	6800	1800	>750	Water out from central sump

Note:
1.Please refer the foundation parameter table for the concrete foundation dimensions of a single cell.
2.When multiple cells are assembled, the concrete foundation height shall meet the size requirements of the single cooling tower and the installation height of the system pipelines at the same time.
3.When section steel foundation is needed for site installation, please consult the sales or technical personnel of Yuanheng.
4.Cooling tower should be placed and installed in a well-ventilated and open place to ensure smooth air in and out of the equipment and avoid noise pollution.

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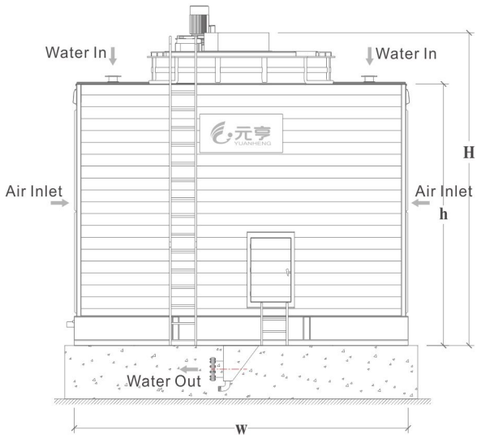
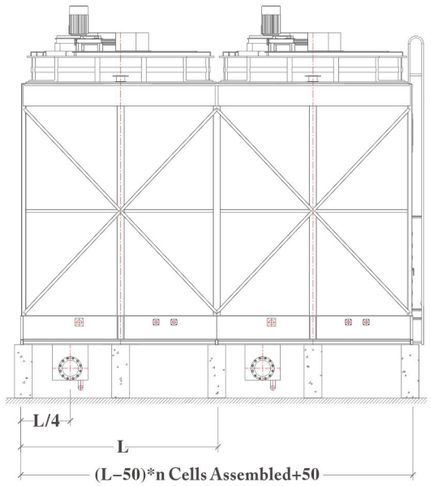
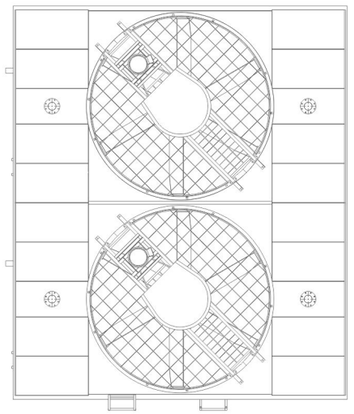
Model	Flow Rate	Power System		Outline Dimension				Pump Head	Weight		Connection Diameter					
		Motor	Fan	L	W	H	h		Dry Weight	Operation Weight	Inlet	Outlet	Overflow	Auto Make-up	Quick Make-up	Drain
	m^3/h	kW	mm	mm	mm	mm	mm	mH_2O	kg	kg	DN	DN	DN	DN	DN	DN
3001MY	240	4	3000	3250	5550	4860	3990	4.8	2700	8650	2-150	200	80	32	32	80
3001LY	268	5.5									2-200	200	80	32	32	80
3001PY	296	7.5									2-200	250	80	32	32	80
3001QY	336	11									2-200	250	80	32	32	80
3001RY	373	15									2-200	250	80	32	32	80
3001VY	399	18.5									2-200	250	80	32	32	80
3001KY	423	22									2-200	250	80	32	32	80
3001JY	468	30									2-200	250	80	32	32	80
3002LY	286	5.5	3000	3250	5550	5470	4600	5.4	3170	10020	2-200	250	80	32	32	80
3002PY	317	7.5									2-200	250	80	32	32	80
3002QY	360	11									2-200	250	80	32	32	80
3002RY	399	15									2-200	250	80	32	32	80
3002VY	428	18.5									2-200	300	80	32	32	80
3002KY	453	22									2-200	300	80	32	32	80
3002JY	501	30									2-200	300	80	32	32	80
3002NY	537	37									2-200	300	80	32	32	80
3003LY	302	5.5	3000	3250	5550	6100	5220	6	3600	10820	2-200	250	80	40	40	80
3003PY	335	7.5									2-200	250	80	40	40	80
3003QY	380	11									2-200	250	80	40	40	80
3003RY	421	15									2-200	300	80	40	40	80
3003VY	452	18.5									2-200	300	80	40	40	80
3003KY	478	22									2-200	300	80	40	40	80
3003JY	529	30									2-200	300	80	40	40	80
3003NY	567	37									2-250	300	80	40	40	80
3401PZ	382	7.5	3400	3650	6550	5310	4400	5.2	4220	13070	2-200	250	80	40	40	80
3401QZ	434	11									2-200	300	80	40	40	80
3401RZ	481	15									2-200	300	80	40	40	80
3401VZ	515	18.5									2-200	300	80	40	40	80
3401KZ	545	22									2-200	300	80	40	40	80
3401JZ	604	30									2-250	350	80	40	40	80
3401NZ	647	37									2-250	350	80	40	40	80
3401HZ	689	45									2-250	350	80	40	40	80
3402PZ	407	7.5	3400	3650	6550	5720	4810	5.6	4610	14650	2-200	300	80	40	40	80
3402QZ	462	11									2-200	300	80	40	40	80
3402RZ	511	15									2-200	300	80	40	40	80
3402VZ	548	18.5									2-200	300	80	40	40	80
3402KZ	580	22									2-250	300	80	40	40	80
3402JZ	643	30									2-250	350	80	40	40	80
3402NZ	688	37									2-250	350	80	40	40	80
3402HZ	734	45									2-250	350	80	40	40	80
3402WZ	784	55									2-250	350	80	40	40	80

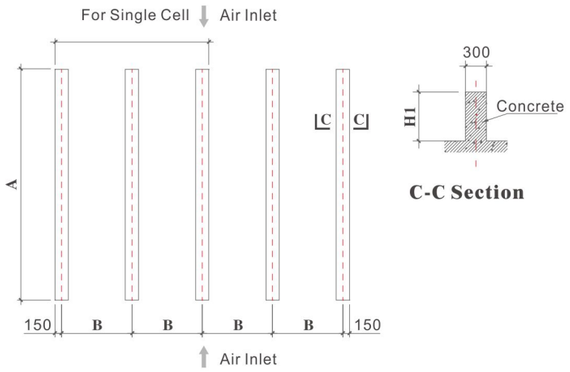
Note:
1.Standard design conditions: water inlet temperature 37℃, water outlet temperature 32℃, wet-bulb temperature 28℃, dry-bulb temperature 31.5℃, atmospheric pressure 99.4KPa.
2.YHW-3001~3402 water out from the central sump. Please refer to the foundation parameter table and pipes connecting parameters table for the size of central sump and height of foundation.

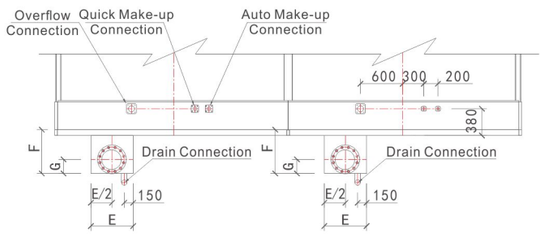
Drawings and Technical Parameters (YHW-3601~3603)











Pipes Connecting Parameters Table

Outlet Flange Diameter	E	F	G	Remarks
	mm	mm	mm	
DN300	800	650	250	Water out from central sump
DN350	800	650	250	
DN400	1000	800	300	

Note: The outlet mode and central sump size are determined according to outlet flange diameter.

Foundation Parameters Table

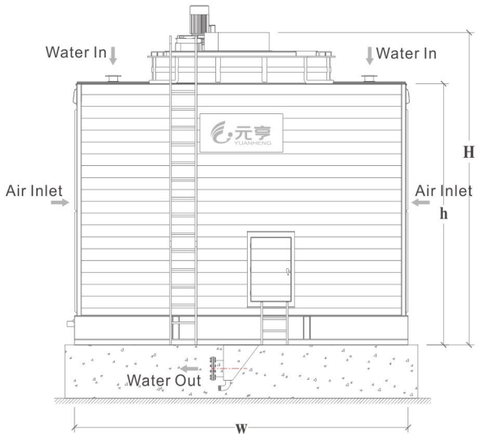
Model	A	B	H1	Remarks
	mm	mm	mm	
YHW-3601	7000	1900	>750	Water out from central sump
YHW-3602	7000	1900	>750	
YHW-3603PZ…YHW-3603WZ	7000	1900	>750	
YHW-3603FZ	7000	1900	>900	

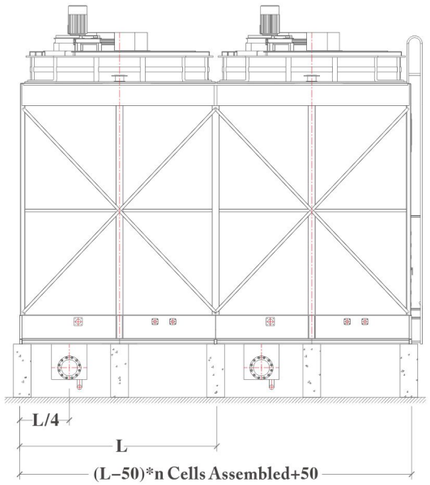
Note:
1.Please refer the foundation parameter table for the concrete foundation dimensions of a single cell.
2.When multiple cells are assembled, the concrete foundation height shall meet the size requirements of the single cooling tower and the installation height of the system pipelines at the same time.
3.When section steel foundation is needed for site installation, please consult the sales or technical personnel of Yuanheng.
4.Cooling tower should be placed and installed in a well-ventilated and open place to ensure smooth air in and out of the equipment and avoid noise pollution.

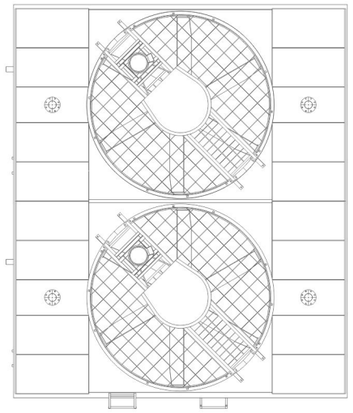
Model	Flow Rate	Power System		Outline Dimension				Pump Head	Weight		Connection Diameter					
		Motor	Fan	L	W	H	h		Dry Weight	Operation Weight	Inlet	Outlet	Overflow	Auto Make-up	Quick Make-up	Drain
	m^3/h	kW	mm	mm	mm	mm	mm	mH_2O	kg	kg	DN	DN	DN	DN	DN	DN
3601PZ	419	7.5	3600	3850	6750	5720	4810	5.6	5110	15510	2-200	300	100	50	50	80
3601QZ	476	11									2-200	300	100	50	50	80
3601RZ	527	15									2-200	300	100	50	50	80
3601VZ	564	18.5									2-200	300	100	50	50	80
3601KZ	597	22									2-250	300	100	50	50	80
3601JZ	661	30									2-250	350	100	50	50	80
3601NZ	708	37									2-250	350	100	50	50	80
3601HZ	755	45									2-250	350	100	50	50	80
3601WZ	807	55									2-250	350	100	50	50	80
3602PZ	435	7.5	3600	3850	6750	6130	5220	6	5550	16200	2-200	300	100	50	50	80
3602QZ	494	11									2-200	300	100	50	50	80
3602RZ	547	15									2-200	300	100	50	50	80
3602VZ	586	18.5									2-250	300	100	50	50	80
3602KZ	621	22									2-250	300	100	50	50	80
3602JZ	687	30									2-250	350	100	50	50	80
3602NZ	736	37									2-250	350	100	50	50	80
3602HZ	785	45									2-250	350	100	50	50	80
3602WZ	839	55									2-250	350	100	50	50	80
3603PZ	450	7.5	3600	3850	6750	6540	5630	6.4	5990	18200	2-200	300	100	50	50	80
3603QZ	510	11									2-200	300	100	50	50	80
3603RZ	565	15									2-200	300	100	50	50	80
3603VZ	606	18.5									2-250	350	100	50	50	80
3603KZ	641	22									2-250	350	100	50	50	80
3603JZ	710	30									2-250	350	100	50	50	80
3603NZ	761	37									2-250	350	100	50	50	80
3603HZ	812	45									2-250	350	100	50	50	80
3603WZ	867	55									2-300	350	100	50	50	80
3603FZ	960	75									2-300	400	100	50	50	80

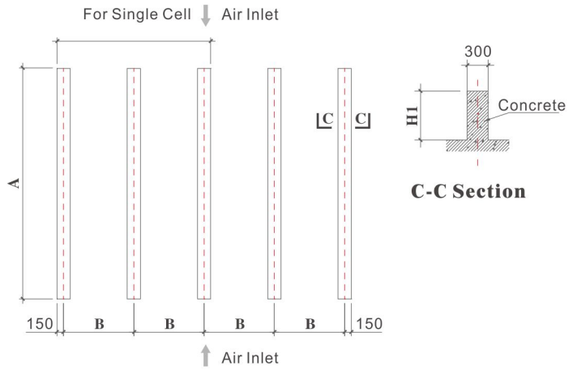
Note:
1.Standard design conditions: water inlet temperature 37℃, water outlet temperature 32℃, wet-bulb temperature 28℃, dry-bulb temperature 31.5℃, atmospheric pressure 99.4KPa.
2.YHW-3601~3603 water out from the central sump. Please refer to the foundation parameter table and pipes connecting parameters table for the size of central sump and height of foundation.

Drawings and Technical Parameters (YHW-4201~4204)

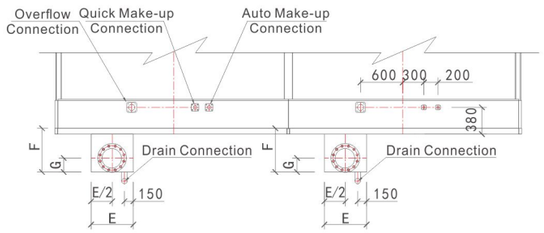








C-C Section



Pipes Connecting Parameters Table

Outlet Flange Diameter	E	F	G	Remarks
	mm	mm	mm	
DN350	800	650	250	Water out from central sump
DN400	1000	800	300	
DN450	1000	800	300	

Note: The outlet mode and central sump size are determined according to outlet flange diameter.

Foundation Parameters Table

Model	A	B	H1	Remarks
	mm	mm	mm	
YHW-4201QZ···YHW-4201HZ	7600	2200	>750	Water out from central sump
YHW-4201WZ···YHW-4201FZ	7600	2200	>900	
YHW-4202QZ···YHW-4202NZ	7600	2200	>750	
YHW-4202HZ···YHW-4202FZ	7600	2200	>900	
YHW-4203QZ···YHW-4203JZ	7600	2200	>750	Water out from central sump
YHW-4203NZ···YHW-4203FZ	7600	2200	>900	
YHW-4204QZ···YHW-4204JZ	7600	2200	>750	
YHW-4204NZ···YHW-4204GZ	7600	2200	>900	

Note:
1.Please refer the foundation parameter table for the concrete foundation dimensions of a single cell.
2.When multiple cells are assembled, the concrete foundation height shall meet the size requirements of the single cooling tower and the installation height of the system pipelines at the same time.
3.When section steel foundation is needed for site installation, please consult the sales or technical personnel of Yuanheng.
4.Cooling tower should be placed and installed in a well-ventilated and open place to ensure smooth air in and out of the equipment and avoid noise pollution.

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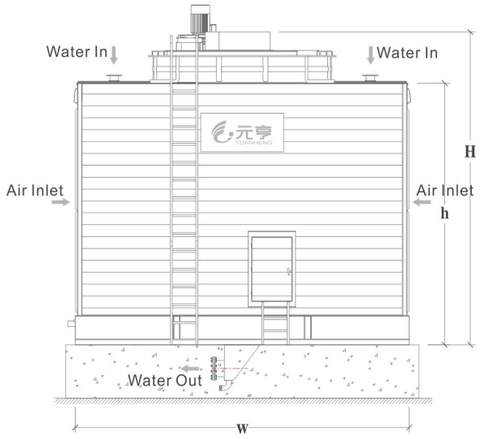
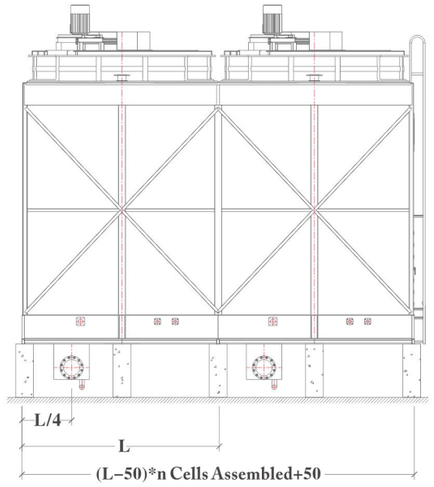
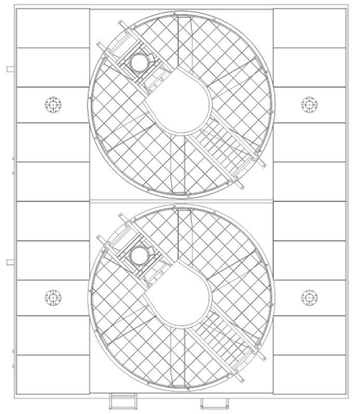
Model	Flow Rate	Power System		Outline Dimension				Pump Head	Weight		Connection Diameter					
		Motor	Fan	L	W	H	h		Dry Weight	Operation Weight	Inlet	Outlet	Overflow	Auto Make-up	Quick Make-up	Drain
	m^3/h	kW	mm	mm	mm	mm	mm	mH_2O	kg	kg	DN	DN	DN	DN	DN	DN
4201QZ	559	11									2-250	350	100	50	50	80
4201RZ	619	15									2-250	350	100	50	50	80
4201VZ	664	18.5									2-250	350	100	50	50	80
4201KZ	702	22									2-250	350	100	50	50	80
4201JZ	778	30	4200	4450	7350	6330	5220	6	7050	20130	2-250	350	100	50	50	80
4201NZ	833	37									2-250	350	100	50	50	80
4201HZ	889	45									2-300	350	100	50	50	80
4201WZ	949	55									2-300	400	100	50	50	80
4201FZ	1050	75									2-300	400	100	50	50	80
4202QZ	580	11									2-250	350	100	50	50	80
4202RZ	642	15									2-250	350	100	50	50	80
4202VZ	688	18.5									2-250	350	100	50	50	80
4202KZ	728	22									2-250	350	100	50	50	80
4202JZ	806	30	4200	4450	7350	6740	5630	6.4	7600	21340	2-250	350	100	50	50	80
4202NZ	864	37									2-250	350	100	50	50	80
4202HZ	921	45									2-300	400	100	50	50	80
4202WZ	984	55									2-300	400	100	50	50	80
4202FZ	1089	75									2-300	400	100	50	50	80
4203QZ	598	11									2-250	350	100	50	50	80
4203RZ	663	15									2-250	350	100	50	50	80
4203VZ	710	18.5									2-250	350	100	50	50	80
4203KZ	752	22									2-250	350	100	50	50	80
4203JZ	833	30	4200	4450	7350	7160	6050	6.9	8160	22220	2-250	350	100	50	50	80
4203NZ	892	37									2-300	400	100	50	50	80
4203HZ	951	45									2-300	400	100	50	50	80
4203WZ	1016	55									2-300	400	100	50	50	80
4203FZ	1125	75									2-300	400	100	50	50	80
4204QZ	616	11									2-250	350	100	50	50	80
4204RZ	682	15									2-250	350	100	50	50	80
4204VZ	731	18.5									2-250	350	100	50	50	80
4204KZ	774	22									2-250	350	100	50	50	80
4204JZ	857	30	4200	4450	7350	7570	6460	7.3	8720	24090	2-250	350	100	50	50	80
4204NZ	918	37									2-300	400	100	50	50	80
4204HZ	979	45									2-300	400	100	50	50	80
4204WZ	1046	55									2-300	400	100	50	50	80
4204FZ	1158	75									2-300	450	100	50	50	80
4204GZ	1229	90									2-350	450	100	50	50	80

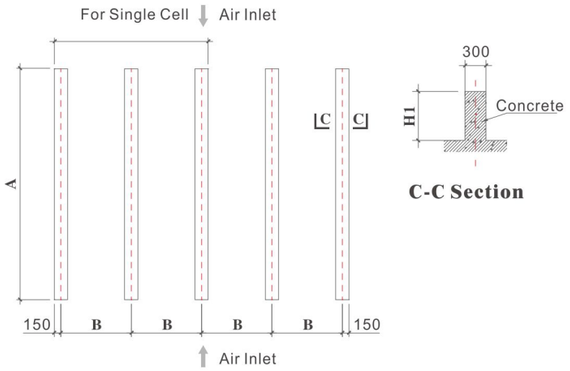
Note:
1.Standard design conditions: water inlet temperature 37℃, water outlet temperature 32℃, wet-bulb temperature 28℃, dry-bulb temperature 31.5℃, atmospheric pressure 99.4KPa.
2.YHW-4201~4204 water out from the central sump. Please refer to the foundation parameter table and pipes connecting parameters table for the size of central sump and height of foundation.

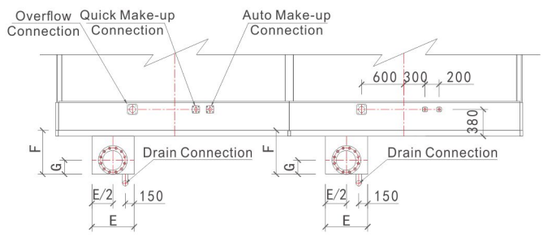
Drawings and Technical Parameters (YHW-4701~4704)











Pipes Connecting Parameters Table

Outlet Flange Diameter	E	F	G	Remarks
	mm	mm	mm	
DN350	800	650	250	Water out from central sump
DN400	1000	800	300	
DN450	1000	800	300	

Note: The outlet mode and central sump size are determined according to outlet flange diameter.

Foundation Parameters Table

Model	A	B	H1	Remarks
	mm	mm	mm	
YHW-4701QZ···YHW-4701KZ	8100	2450	>750	Water out from central sump
YHW-4701JZ···YHW-4701GZ	8100	2450	>900	
YHW-4702QZ···YHW-4702KZ	8100	2450	>750	
YHW-4702JZ···YHW-4702GZ	8100	2450	>900	
YHW-4703QZ···YHW-4703KZ	8100	2450	>750	Water out from central sump
YHW-4703JZ···YHW-4703GZ	8100	2450	>900	
YHW-4704RZ···YHW-4704KZ	8100	2450	>750	
YHW-4704JZ···YHW-4704GZ	8100	2450	>900	

Note:
1.Please refer the foundation parameter table for the concrete foundation dimensions of a single cell.
2.When multiple cells are assembled, the concrete foundation height shall meet the size requirements of the single cooling tower and the installation height of the system pipelines at the same time.
3.When section steel foundation is needed for site installation, please consult the sales or technical personnel of Yuanheng.
4.Cooling tower should be placed and installed in a well-ventilated and open place to ensure smooth air in and out of the equipment and avoid noise pollution.

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Model	Flow Rate	Power System		Outline Dimension				Pump Head	Weight		Connection Diameter					
		Motor	Fan	L	W	H	h		Dry Weight	Operation Weight	Inlet	Outlet	Overflow	Auto Make-up	Quick Make-up	Drain
	m^3/h	kW	mm	mm	mm	mm	mm	mH_2O	kg	kg	DN	DN	DN	DN	DN	DN
4701QZ	633	11	4700	4950	7850	6740	5630	6.4	9040	24970	2-250	350	100	50	50	80
4701RZ	701	15									2-250	350	100	50	50	80
4701VZ	752	18.5									2-250	350	100	50	50	80
4701KZ	796	22									2-250	350	100	50	50	80
4701JZ	881	30									2-300	400	100	50	50	80
4701NZ	944	37									2-300	400	100	50	50	80
4701HZ	1006	45									2-300	400	100	50	50	80
4701WZ	1075	55									2-300	400	100	50	50	80
4701FZ	1189	75									2-350	450	100	50	50	80
4701GZ	1262	90									2-350	450	100	50	50	80
4702QZ	655	11	4700	4950	7850	7160	6050	6.9	9670	25990	2-250	350	100	50	50	80
4702RZ	725	15									2-250	350	100	50	50	80
4702VZ	777	18.5									2-250	350	100	50	50	80
4702KZ	823	22									2-250	350	100	50	50	80
4702JZ	911	30									2-300	400	100	50	50	80
4702NZ	976	37									2-300	400	100	50	50	80
4702HZ	1041	45									2-300	400	100	50	50	80
4702WZ	1112	55									2-300	450	100	50	50	80
4702FZ	1230	75									2-350	450	100	50	50	80
4702GZ	1306	90									2-350	450	100	50	50	80
4703QZ	675	11	4700	4950	7850	7570	6460	7.3	10310	27410	2-250	350	100	50	50	80
4703RZ	747	15									2-250	350	100	50	50	80
4703VZ	801	18.5									2-250	350	100	50	50	80
4703KZ	848	22									2-250	350	100	50	50	80
4703JZ	939	30									2-300	400	100	50	50	80
4703NZ	1006	37									2-300	400	100	50	50	80
4703HZ	1073	45									2-300	400	100	50	50	80
4703WZ	1146	55									2-300	450	100	50	50	80
4703FZ	1268	75									2-350	450	100	50	50	80
4703GZ	1347	90									2-350	450	100	50	50	80
4704RZ	768	15	4700	4950	7850	7980	6870	7.7	10960	28450	2-250	350	100	50	50	80
4704VZ	823	18.5									2-250	350	100	50	50	80
4704KZ	872	22									2-250	350	100	50	50	80
4704JZ	965	30									2-300	400	100	50	50	80
4704NZ	1034	37									2-300	400	100	50	50	80
4704HZ	1103	45									2-300	450	100	50	50	80
4704WZ	1178	55									2-300	450	100	50	50	80
4704FZ	1304	75									2-350	450	100	50	50	80
4704GZ	1384	90									2-350	450	100	50	50	80

Note:
1.Standard design conditions: water inlet temperature 37℃, water outlet temperature 32℃, wet-bulb temperature 28℃, dry-bulb temperature 31.5℃, atmospheric pressure 99.4KPa.
2.YHW-4701~4704 water out from the central sump. Please refer to the foundation parameter table and pipes connecting parameters table for the size of central sump and height of foundation.

Selection of Control Cabinet and Cable Recommendation for Common Motor Power (Optional)

Common control of cooling tower includes variable frequency speed control and general relay control:

- **Variable frequency speed control: According to the change of a certain parameter of the system (such as inlet and outlet water temperature), the fan operation is steplessly regulated by frequency converter to save energy.**
- **General relay control: AC contactor controls the start and stop of the cooling tower fan, fan motor is in full speed working state of power frequency.**

The control cabinet is composed of box, switch, contactor or frequency converter, etc., which can realize manual/automatic operation, control, protection, operation start/stop and other functions of cooling tower equipment.

Variable Frequency Speed Control Cabinet of Single Cell and Two Cells Assembled Cooling Tower

Cooling Tower Motor		Fan Control Cabinets for Single Cell Tower			Fan Control Cabinets for Two Cells Arrangement			Motor Wiring
Motor Power (KW)	Startup Mode	Calculating Current (A)	Model	Outline Dimensions (H * W * D)	Calculating Current (A)	Model	Outline Dimensions (H * W * D)	Single Motor Cable
5.5	Variable Frequency Starting	11.5	YHK-L5.5-1-V	1200*500*400	23	YHK-L11-2-V	1200*600*400	YJV-ZR3*2.5+1*1.5
7.5		15.5	YHK-L7.5-1-V	1200*500*400	31	YHK-L15-2-V	1200*600*400	YJV-ZR3*4+1*2.5
11		22	YHK-L11-1-V	1200*500*400	44	YHK-L22-2-V	1200*600*400	YJV-ZR3*6+1*4
15		30	YHK-L15-1-V	1600*500*450	60	YHK-L30-2-V	1600*600*450	YJV-ZR3*10+1*6
18.5		37	YHK-L18.5-1-V	1600*500*450	74	YHK-L37-2-V	1600*600*450	YJV-ZR3*16+1*10
22		44	YHK-L22-1-V	1600*500*450	88	YHK-L44-2-V	1600*600*450	YJV-ZR3*16+1*10
30		60	YHK-L30-1-V	1600*500*450	120	YHK-L60-2-V	1600*600*450	YJV-ZR3*16+1*10
37		72	YHK-L37-1-V	1600*600*450	144	YHK-L74-2-V	1600*600*450	YJV-ZR3*25+1*16
45		88	YHK-L45-1-V	1600*600*450	176	YHK-L90-2-V	1600*600*450	YJV-ZR3*35+1*16
55		105	YHK-L55-1-V	1800*600*450	210	YHK-L110-2-V	1800*700*450	YJV-ZR3*50+1*25
75		140	YHK-L75-1-V	1800*600*450	280	YHK-L150-2-V	1800*800*450	YJV-ZR3*70+1*35
90		170	YHK-L90-1-V	1800*600*450	340	YHK-L180-2-V	1800*800*450	YJV-ZR3*95+1*50

Variable Frequency Speed Control Cabinet of Multiple Cells Assembled Cooling Tower

Cooling Tower Motor		Fan Control Cabinets for Three Cells Arrangement			Fan Control Cabinets for Four Cells Arrangement			Motor Wiring
Motor Power (KW)	Startup Mode	Calculating Current (A)	Model	Outline Dimensions (H * W * D)	Calculating Current (A)	Model	Outline Dimensions (H * W * D)	Single Motor Cable
5.5	Variable Frequency Starting	34.5	YHK-L16.5-3-V	1600*600*400	46	YHK-L22-4-V	1800*700*700	YJV-ZR3*2.5+1*1.5
7.5		46.5	YHK-L22.5-3-V	1600*600*400	62	YHK-L30-4-V	1800*700*700	YJV-ZR3*4+1*2.5
11		66	YHK-L33-3-V	1600*600*400	88	YHK-L44-4-V	1800*700*700	YJV-ZR3*6+1*4
15		90	YHK-L45-3-V	1800*800 *450	120	YHK-L60-4-V	2000*700*700	YJV-ZR3*10+1*6
18.5		111	YHK-L55.5-3-V	1800*800*450	148	YHK-L74-4-V	2000*700*700	YJV-ZR3*16+1*10
22		132	YHK-L66-3-V	1800*800*450	156	YHK-L88-4-V	2000*700*700	YJV-ZR3*16+1*10
30		180	YHK-L90-3-V	2000*800*450	240	YHK-L120-4-V	2000*700*700	YJV-ZR3*16+1*10
37		216	YHK-L111-3-V	2000*800*450	288	YHK-L148-4-V	2000*700*700	YJV-ZR3*25+1*16
45		264	YHK-L135-3-V	2000*800*450	352	YHK-L148-4-V	2000*700* 700	YJV-ZR3*35+1*16
55		315	YHK-L165-3-V	2000*900*450	420	YHK-L220-4-V	2000*700*700	YJV-ZR3*50+1*25
75		420	YHK-L225-3-V	2000*900*450	/	/	/	YJV-ZR3*70+1*35
90	/	/	/	/	/	/	/	/

Note:
1. The wiring specifications in the motor wiring list are recommended by Yuanheng. The actual wiring should be no less than the recommended specifications.
2. When the motor power of three and four cells assembled tower is 75 kW and 90 kW, please consult the sales or technical personnel of Yuanheng for the configuration of the control cabinet.

General Relay Control Cabinet of Single Cell and Two Cells Assembled Cooling Tower

Cooling Tower Motor		Fan Control Cabinets for Single Cell Tower			Fan Control Cabinets for Two Cells Arrangement			Motor Wiring
Motor Power (KW)	Startup Mode	Calculating Current (A)	Model	Outline Dimensions (H * W * D)	Calculating Current (A)	Model	Outline Dimensions (H * W * D)	Single Motor Cable
1.1	Direct	2.5	YHK-L1.1-1-J	600*500*300	5	YHK-L2.2-2-J	600*500*300	YJV-ZR4*1.5
1.5		3.2	YHK-L1.5-1-J	600*500*300	6.4	YHK-L3-2-J	600*500*300	YJV-ZR4*1.5
2.2		5	YHK-L2.2-1-J	600*500*300	10	YHK-L4.4-2-J	600*500*300	YJV-ZR4*1.5
3		6.6	YHK-L3-1-J	600*500*300	13.2	YHK-L3-2-J	600*500*300	YJV-ZR4*1.5
4		8.5	YHK-L4-1-J	600*500*300	17	YHK-L8-2-J	600*500*300	YJV-ZR3*2.5+1*1.5
5.5		11.5	YHK-L5.5-1-J	600*500*300	23	YHK-L11-2-J	600*500*300	YJV-ZR3*2.5+1*1.5
7.5		15.5	YHK-L7.5-1-J	600*500*300	31	YHK-L15-2-J	600*500*300	YJV-ZR3*4+1*2.5
11	Star-triangle	22	YHK-L11-1-J	800*600*300	44	YHK-L22-2-J	1200*500*300	2*YJV-ZR3*4+1*4
15		30	YHK-L15-1-J	800*600*300	60	YHK-L30-2-J	1200*500*300	2*YJV-ZR3*4+1*4
18.5		37	YHK-L18.5-1-J	800*600*300	74	YHK-L37-2-J	1400*600*300	2*YJV-ZR3*4+1*4
22		44	YHK-L22-1-J	800*600*300	88	YHK-L44-2-J	1400*600*3 00	2*YJV-ZR3*6+1*4
30		60	YHK-L30-1-J	1200*600*300	120	YHK-L60-2-J	1400*600*300	2*YJV-ZR3*10+1*6
37		72	YHK-L37-1-J	1200*600*300	144	YHK-L74-2-J	1400*600*300	2*YJV-ZR3*16+1*10
45		88	YHK-L45-1-J	1200*600*300	176	YHK-L90-2-J	1400*600*300	2*YJV-ZR3*16+1*10
55		105	YHK-L55-1-J	1200*600*300	210	YHK-L110-2-J	1400*600*300	2*YJV-ZR3*25+1*16
75		140	YHK-L75-1-J	1200*600*350	280	YHK-L150-2-J	1400*700*350	2*YJV-ZR3*25+1*16
90		170	YHK-L90-1-J	1200*600*350	340	YHK-L180-2-J	1400*700*350	2*YJV-ZR3*35+1*25

General Relay Control Cabinet of Multiple Cells Assembled Cooling Tower

Cooling Tower Motor		Fan Control Cabinets for Three Cells Arrangement			Fan Control Cabinets for Four Cells Arrangement			Motor Wiring
Motor Power (KW)	Startup Mode	Calculating Current (A)	Model	Outline Dimensions (H * W * D)	Calculating Current (A)	Model	Outline Dimensions (H * W * D)	Single Motor Cable
1.1	Direct	7.5	YHK-L3.3-3-J	1000*500*300	10	YHK-L4.4-4-J	1000*500*300	YJV-ZR4*1.5
1.5		9.6	YHK-L4.5-3-J	1000*500*300	12.8	YHK-L6-4-J	1000*500*300	YJV-ZR4*1.5
2.2		15	YHK-L6.6-3-J	1000*500*300	20	YHK-L8.8-8-J	1000*500*300	YJV-ZR4*1.5
3		19.8	YHK-L9-3-J	1000*500*300	26.4	YHK-L9-3-J	1000*500*300	YJV-ZR4*1.5
4		25.5	YHK-L12-3-J	1000*500*300	34	YHK-L16-4-J	1000*500*300	YJV-ZR3*2.5+1*1.5
5.5		34.5	YHK-L16.5-3-J	1000*500*300	46	YHK-L22-4-J	1000*500*300	YJV-ZR3*2.5+1*1.5
7.5		46.5	YHK-L22.5-3-J	1000*500*300	62	YHK-L30-4-J	1000*500*300	YJV-ZR3*4+1*2.5
11	Star-triangle	66	YHK-L33-3-J	1200*500*300	88	YHK-L44-4-J	1400*500*300	2*YJV-ZR3*4+1*4
15		90	YHK-L45-3-J	1600*600*300	120	YHK-L60-4-J	1800*600*300	2*YJV-ZR3*4+1*4
18.5		111	YHK-L55.5-3-J	1600*600*300	148	YHK-L74-4-J	1800*600*300	2*YJV-ZR3*4+1*4
22		132	YHK-L66-3-J	1600*600 *300	156	YHK-L88-4-J	1800*600*300	2*YJV-ZR3*6+1*4
30		180	YHK-L90-3-J	1600*600*300	240	YHK-L120-4-J	1800*600*300	2*YJV-ZR3*10+1*6
37		216	YHK-L111-3-J	1800*600*300	288	YHK-L148-4-J	2000*700*350	2*YJV-ZR3*16+1*10
45		264	YHK-L135-3-J	1800*600*300	352	YHK-L180-4-J	2000*700*350	2*YJV-ZR3*16+1*10
55		315	YHK-L165-3-J	1800*600*300	420	YHK-L220-4-J	2000*700*350	2*YJV-ZR3*25+1*16
75		420	YHK-L225-3-J	1800*600*350	/	/	/	2*YJV-ZR3*25+1*16
90	/	/	/	/	/	/	/	/

Note:
1. The wiring specifications in the motor wiring list are recommended by Yuanheng. The actual wiring should be no less than the recommended specifications.
2. When the motor power of three and four cells assembled tower is 75 kW and 90 kW, please consult the sales or technical personnel of Yuanheng for the configuration of the control cabinet.