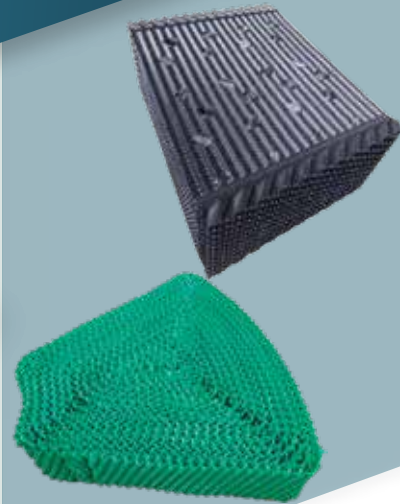




Innovation leads to value

Catalogue for Cooling Tower



**HRG ENVIRONMENTAL
ENGINEERING**
(Ventilation Equipment Division)



Company Profile



About Us

HRG ENVIRONMENTAL ENGINEERING (HRGEE) is a leading importer, manufacturer & supplier of Material Handling Equipment, Caster Wheel, Ventilation Equipment and Cooling Tower since 2008. We work with world famous manufacturers such as NOBLELIFT, YL CASTER, POPULA & HON MING to provide high quality products and services. We have a proven track record of success and customer satisfaction by providing quality products and after-sales service. Our skilled and experienced engineers and technicians provide you with the best product selection and service, with utmost sincerity and care.

We Represent The Following Brand



HON MING TECHNOLOGY GROUP

Manufacturer of Cooling Tower and HVAC System in Yuncheng, Shanxi, China. Since 1993

Some of Our Valued Customers



COOLING TOWER & EQUIPMENT



FRP ROUND COUNTER FLOW TYPE COOLING TOWER

Round cooling tower is designed for power and water saving in industry. We adopt FRP with features of light, low noise and high quality as raw materials. Not only match with high quality pure copper motor but also improve product's material selection and technology.

For different needs, we can also manufacture different cooling towers according to customer requirements. Such as low noise, ultra-low noise etc. Cooling tower is mainly composed by motor, fan, sprinkler head, PVC filler, casing, and basing and air intake louver.

(Go to Page 3 and 4 for Broad Details)

Features:

- Available capacity can be supplied : 20 - 1,200 RT
- Available capacity ready in stock : 20 - 300 RT



FRP SQUARE CROSS FLOW TYPE COOLING TOWER

Square cooling tower adopts steel-frame structure; it can be assembled on-site in the form of single or multiple units flexibly according to the environment and customer requirements.

This series is designed for the natural environment in Bangladesh. All indicators meet the CTI standards, which can reduce the energy consumption of the supporting unit and ensure the efficient operation of the unit. Optimize the overall design of the cooling tower's heat dissipation system, air guide device, water collecting device and water distribution system. It has the characteristics of stable structure, high heat exchange efficiency, low noise, environmental protection and energy saving, convenient maintenance, and long comprehensive service life.

Features:

- Available capacity can be supplied: 150 - 1,200 RT
- Single Cell and Multi Cell is available



GALVANIZED STEEL / STAINLESS STEEL SQUARE CROSS FLOW TYPE COOLING TOWER

Because traditional FRP cooling tower products cause certain harm to the environment and humans during the production process, the selection of this series not only avoids this kind of harm, but also makes more contributions to environmental protection!

Galvanized steel square cross-flow cooling tower adopts Z725 high zinc layer steel structure, stainless steel water tray, ultra-quiet fan, imported brand transmission components, and virgin PVC heat exchange filler as standard configuration.

The stainless steel square cross-flow cooling tower is made of insulated 304 stainless steel plates.

Features:

- Available capacity can be supplied: 150 - 1,200 RT
- Single Cell and Multi Cell is available

MOTOR

Type : AC Motor
 Power : 0.18 kW - 11 kW
 Rotation : 450 rpm - 1400 rpm
 Voltage : 380 V
 Frequency : 50 Hz

FAN SET

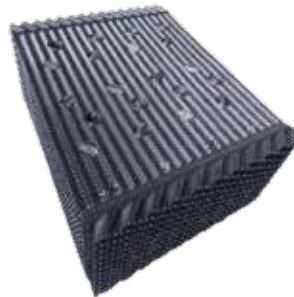
Fan Diameter : 584 mm - 2970 mm
 MOC : ABS Plastic / FRP / SS / Alloy Aluminium
 Blade Angle : Adjustable

SPRINKLER HEAD

Input Diameter : 2" - 12"
 MOC : ABS Plastic / Alloy Aluminium

BELT PULLEY SET

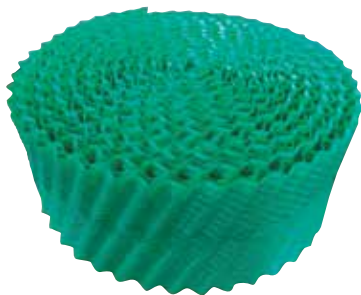
Belt Pulley Set are used as speed reducers to slow the rotational speed from the incoming motor to the outgoing fan of a cooling tower.
 Available for **150 - 350 RT**.

INFILL FOR SQUARE CROSS FLOW TYPE COOLING TOWER

Type : Sheet
 MOC : PVC
 Color : Black
 Available Size : 900×1000 & 1000×1000
 (Can be customized)
 Operating Temp. : 55°C Max.

INFILL FOR ROUND COUNTER FLOW TYPE COOLING TOWER

Type : Triangle
 Available Height : 9" & 12"
 MOC : PVC
 Color : Green
 Operating Temp. : 55°C Max.

INFILL FOR ROUND COUNTER FLOW TYPE COOLING TOWER

Type : Coil
 Available Height : 9" & 12"
 MOC : PVC
 Color : Green
 Operating Temp. : 55°C Max.

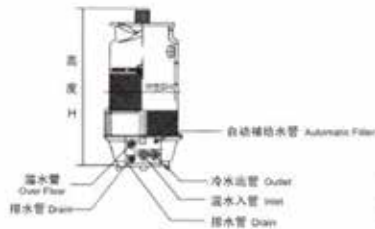
INFILL FOR ROUND COUNTER FLOW TYPE COOLING TOWER

Type : Block
 MOC : PVC
 Color : Green
 Available Size : 48"×12"×9" & 48"×12"×12"
 (Can be customized)
 Operating Temp. : 55°C Max.

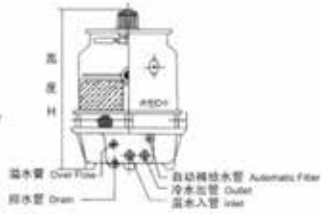
LOUVER FOR ROUND COUNTER FLOW TYPE COOLING TOWER

MOC : PVC
 Color : Gray
 Available Size : 60" × (12" - 36")
 (Can be customized)
 Operating Temp. : 55°C Max.

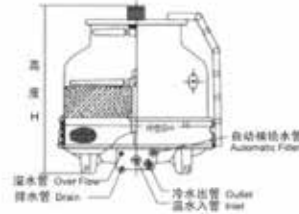
TECHNICAL SPECIFICATION FOR ROUND COUNTER FLOW TYPE COOLING TOWER



JY-10-20



JY-25-40



JY-50-200

设计工况

进水温度 $T_1=37^{\circ}\text{C}$
出水温度 $T_2=32^{\circ}\text{C}$
湿球温度 $T_{WB}=27^{\circ}\text{C}$
干球温度 $T=31.8^{\circ}\text{C}$
大气压力 $P=9.94\times 10^4\text{Pa}$



JY-250



JY-300-400



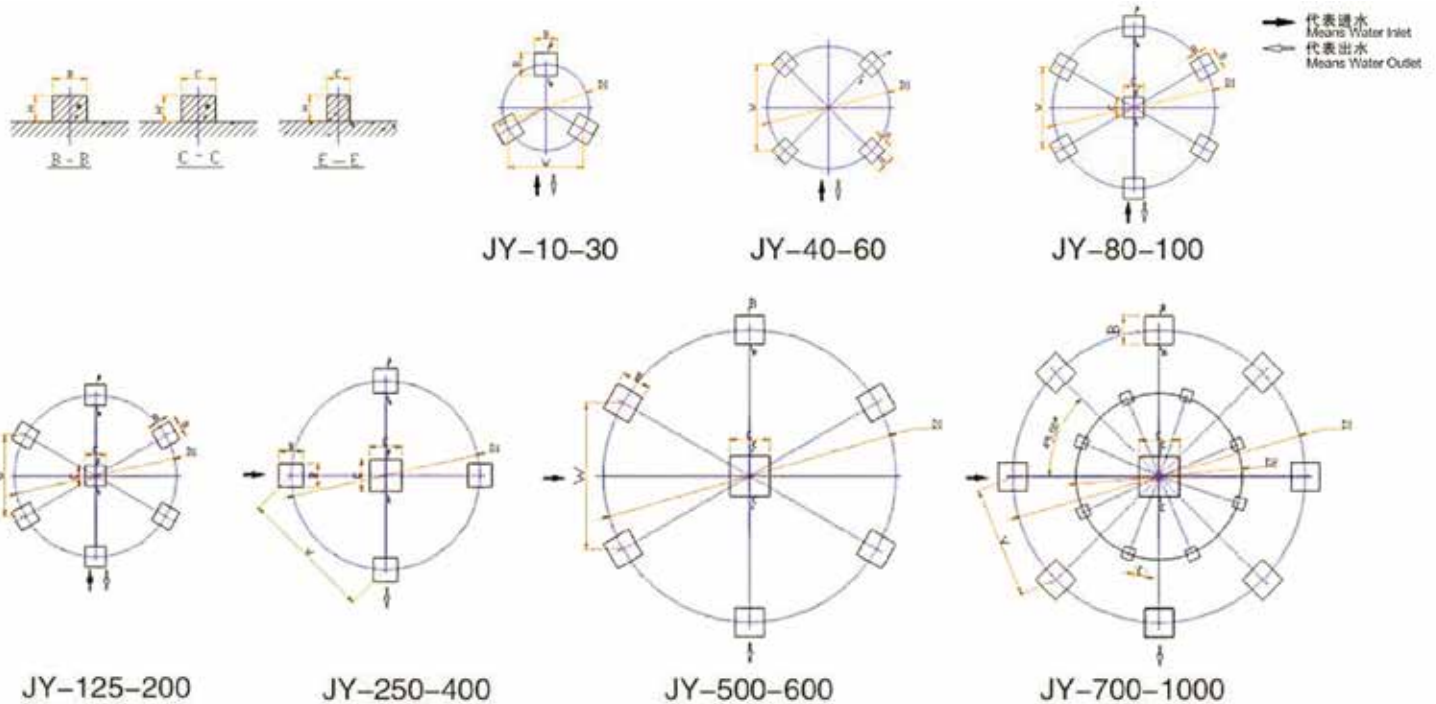
JY-500-1000

DESIGN DATA

Hot water temp 37°C
Cold water temp 32°C
Wet bulb temp 27°C
Dry bulb temp 31.8°C
Atmosphere pressure
 $9.94\times 10^4\text{Pa}$

型号 MODEL	循环水量(m ³ /h) FLOW RATE		外形尺寸 OVERALL DIMENSION		送风装置 FAN ASSEMBLY		配管尺寸 PIPING SIZE					噪音 (dB) NOISE
	WB28 $^{\circ}\text{C}$	WB27 $^{\circ}\text{C}$	高度 H	外径 D	马达 (HP) MOTOR	风扇 FAN	温水入管 INLET	冷水出管 OUTLET	排水管 DR	溢水管 OF	补给水管 FV	
	Twb28 $^{\circ}\text{C}$	Twb27 $^{\circ}\text{C}$										
JY-10	7.2	8.5	1740	1060	1/4	670	40	40	25	25	15	50.0
JY-15	10.8	12	1960	1060	1/4	670	40	40	25	25	15	52.0
JY-20	14.4	17	2000	1200	1/4	670	50	50	25	25	15	53.0
JY-25	18.5	20	2290	1430	1/2	770	80	80	25	25	15	53.0
JY-30	21.6	24	2290	1430	3/4	770	80	80	25	25	15	55.0
JY-40	28.8	32	2360	1620	1	770	80	80	25	25	15	56.0
JY-50	36	40	2595	1810	2	970	80	80	25	25	15	57.0
JY-60	43.2	48	2595	2000	2	970	80	80	25	25	15	58.0
JY-80	57.6	64	2690	2180	2	1170	100	100	25	25	25	59.0
JY-100	72	80	2790	2180	2	1170	100	100	40	25	25	60.0
JY-125	90	100	2875	2750	3	1470	100	100	40	25	25	61.0
JY-150	108	120	2950	3070	3	1470	125	125	50	25	25	61.0
JY-175	126	140	3200	3300	5	1750	125	125	50	50	25	62.0
JY-200	144	160	3300	3300	5	1750	125	125	50	50	25	62.0
JY-250	180	200	3600	3770	5	1750	150	150	50	50	40	63.0
JY-300	216	240	3960	3770	7.5	2400	200	200	50	50	40	63.0
JY-350	252	280	4150	4790	10	2400	200	200	50	50	40	63.5
JY-400	288	320	4150	4790	10	2400	200	200	50	50	40	63.5
JY-500	360	400	5200	5480	15	3000	250	250	80	80	40	65.0
JY-600	432	480	5200	6100	15	3400	250	250	80	80	40	66.0
JY-700	504	560	5770	6600	20	3400	250	250	80	80	40	68.0
JY-800	576	640	5820	6600	20	3400	250	250	80	80	40	69.0
JY-1000	720	800	5920	7600	30	3600	300	300	80	80	40	69.0

FOUNDATION DRAWING FOR ROUND COUNTER FLOW TYPE COOLING TOWER



型号 MODEL	重量(KG) WEIGHT		基础尺寸(MM) FOUNDATION DIMENSION								扬程 (M) PUMP HEAD
	净重 DRY	运行量 WET	D1	D2	W	B	C	E	H	H'	
JY-10	65	190	710	-	615	200	-	-	150	-	2
JY-15	75	250	710	-	615	200	-	-	150	-	2
JY-20	83	390	855	-	740	200	-	-	150	-	2
JY-25	125	490	1040	-	901	200	-	-	150	-	2
JY-30	140	510	1040	-	901	200	-	-	150	-	2
JY-40	155	590	1245	-	880	200	-	-	150	-	2.3
JY-50	235	630	1400	-	990	250	-	-	200	-	2.3
JY-60	302	690	1600	-	1131	250	-	-	200	-	2.3
JY-80	384	1160	1620	-	1145	250	300	-	200	300	2.3
JY-100	441	1220	1620	-	1145	250	300	-	200	300	2.3
JY-125	535	1390	2330	-	1165	300	300	-	300	350	2.8
JY-150	594	1720	2610	-	1305	300	300	-	300	350	3
JY-175	625	2605	2815	-	1408	300	400	-	300	340	3
JY-200	713	2676	2815	-	1408	300	400	-	300	340	3.2
JY-250	870	3460	3354	-	2372	300	500	-	300	300	3.2
JY-300	1030	3570	3354	-	2372	300	500	-	300	300	3.6
JY-350	1283	4543	4600	-	3253	300	500	-	300	420	3.6
JY-400	1362	4620	4600	-	3253	300	500	-	300	420	4
JY-500	2171	6811	5500	-	2750	500	700	-	300	300	4
JY-600	2428	7068	5960	-	2980	500	700	-	300	300	4
JY-700	3364	10774	6480	3900	2488	500	1100	300	300	300	5
JY-800	3567	10967	6480	3900	2488	500	1100	300	300	300	5.5
JY-1000	4380	11980	7500	4155	2870	500	1100	300	300	300	6

设计特点

良基JY-W型高温冷却塔,系专为回收超过60℃至95℃高温之工业用冷却系统之回水(出水)可再成为冷却水而设计,该型号冷却塔,散热材采用特殊成形之P.P.高级塑胶料,可抗耐高温且冷却效率特佳,全部组件精心设计制造,结构轻盈,装用容易,省电高效,坚固耐用,维修简便,为最佳之高温型工业用冷却塔。

JY-W外观尺寸及标准规格,基础及尺寸请参考JY标准型。JY-W高温型水塔里面用料、配件、均为有别于普通冷却塔之特殊功能配件,配合要求可指定选用。

特殊配件:配合要求可指定选用

- 1、传动装置: ◆ 皮带式减速机 ◆ 齿轮式减速机
- 2、自动喷头: ◆ 铝合金材 ◆ 不锈钢材
- 3、中心喉管: ◆ 热浸镀锌铁件 ◆ 不锈钢材
- 4、喷水喉管: ◆ 热浸镀锌铁件 ◆ 不锈钢材
- 5、结构组件: ◆ 热浸镀锌铁件 ◆ 不锈钢材
- 6、散热材: ◆ P.P.材
- 7、静音风扇: ◆ 铝合金材
- 8、传动马达: ◆ 全密闭式
- 9、本体水皿: ◆ 玻璃纤维强化塑胶(FRP)材

DESIGN FEATURES

LIANG JI JY-W-type high-temperature cooling tower, the Department for recovery of over 60°C to 95°C temperature of the cooling system of industrial backwater(water) can no longer be designed for cooling water, the type cooling towers, cooling material with special shape. The PP high-grade plastic materials, anti-high temperature and cooling efficiency can be particularly good, all carefully designed and manufactured components, structure, light, loaded with easy, energy saving and efficient, durable, maintenance is simple, to the best in high temperature type of industrial cooling tower.

JY-W form factor and standard specifications, basic and dimensions please refer to JY standard. JY-W High-temperature materials used inside the towers, spare parts, are different from the normal cooling tower of the special features accessories to meet the requirements can nominate.

Special accessories: with the request to nominate

- 1、transmission: ◆ Belt-type reducer
◆ gear reducer
- 2、automatic nozzle: ◆ Aluminum Shee
◆ stainless steel
- 3、the center pipe: ◆ Hot-dip galvanized iron
◆ stainless steel
- 4、Water pipes: ◆ hot-dip galvanized iron
◆ stainless steel
- 5、structural components: ◆ hot-dip galvanized iron
◆ stainless steel
- 6、thermal materials: ◆ PP material
- 7、Silent Fan: ◆ Aluminum alloy material
- 8、the drive motor: ◆ full-closed type
- 9、body of water Min: ◆ glass fiber reinforced plastic (FRP) materials





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