

OCEAN

ECO COOLING TOWER

YC series

**STANDARD TYPE
CROSS FLOW**

YCB series

**BUILD IN PIPE'S LINE TYPE
CROSS FLOW**

YCB-SC series

**SINGLE AIR INTAKE
CROSS FLOW**



OCEAN COOLING TOWER TECHNOLOGICAL INNOVATION

ECO DESIGN FEATURES

➤ FAN DRIVE SYSTEM



- Fan Belt Drive



- Direct Drive (Option)
(YC/YCB 100~225)

FRP TRAY COVER ➤



Features:

- 'No' Algae
- 'No' Clogging
- 'No' Evaporation Loss
- 'No' Back Flow Water Waste after Cooling Tower Stop

➤ FRP WATER BASIN/WATER SUMP



Features:

- Light Weight
- No Corrosion
- More Reliable



NEW HONEYCOMB INFILL ➤



Features:

- Glue-free
- Fast Assembly
- Low Water Drift Lost

HOT WATER INLET/OUTLET PIPES ➤



Under Bottom Basin Inlet Type



Bottom Basin Inlet Type



Upper Inlet Type



Bottom Basin Inlet Type

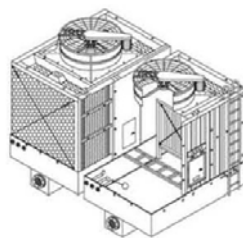
YCB Series Features:

- Save Materials • Fast Installation • Easy Maintenance • Easy Flow Balancing • More beautiful & practical design

YC-H SERIES - STANDARD TYPE

Features:

- Hot water inlet at top basin type
- FRP basin design for flexible pipes line open, and last long used.
- FRP basin design for individual operation and easy maintenance



MODEL			ONE CELL								
ITEM			YC 60H	YC 80H	YC 100H	YC 125H	YC 150H	YC 175H	YC 200H	YC 225H	YC 250H
Capacity	Cooling Capacity	RT	60	80	100	125	150	175	200	225	250
	Heat Rejection	Kcal/hr	234000	312000	390000	487500	585000	682500	780000	877500	975000
	Water Flow Rate	ℓ/min	780	1040	1300	1625	1950	2275	2600	2925	3250
	Air Flow Rate	m³/min	818	593	686	815	1004	1236	1252	1383	1492
	Hot Water Temp.	°C	37								
	Cold Water Temp.	°C	32								
	Wet Bulb Ambient.	°C	27								
Overall Dimension	Width (W)	mm	1300		1500	1650	2000				
	Length (L)	mm	3000		3200	3650	4000				
	Height (H)	mm	2225		2825		2975		3475		3925
Material	Casing / Basin		FRP								
	Steel Structure		Hot - Dip Galvanized Steel (Stainless Stell as Option)								
	Filler		PVC								
	Distribution Tray		FRP								
	Bolt & Nuts		H. D. Galvanized as Standard (Stainless Steel as Option)								
	Fan		ABS Plastic		Fan Blade : Extrusion Aluminium Blade, Hub : Aluminium Alloy						
Fan	Type		AXIAL - FLOW								
	Diameters		980 x 1		1100 x 1	1400 x 1	1600 x 1				
	Number of Blades		THREE/FOUR								
	Fan Speed (Rpm)		280	320	380	440	410	337		360	
	Drive System		Direct Drive			Fan Belt Drives as standard (Direct Drive as option)					
Motor	Type		TEAO			TEFC - IP55 (TEAO Motor as option)					
	Power Source		3 Phase / 415V / 50Hz / 400V / 60 Hz								
	Rated Output (kW)	1.5 x 1			4 x 1		5.5 x 1			7.5 x 1	
		Direct Drive Only			Fan Belt Drive as Standard						
					2.2 kW Direct Drive as option	4 kW Direct Drive as option			5.5 kW Direct Drive as option		
Drive System		One Motor									
Distribution System			By Open Gravity								
Piping Dimension	Hot Water Inlet	mm	* 65 x 2		* 80 x 2		* 100 x 2				
	Cold Water Outlet	mm	80 x 1		100 x 1		150 x 1			200 x 1	
	Drain Pipe	mm	25 x 1		50 x 1						
	Over Flow Pipe	mm	25 x 1		50 x 1						
	Float Valve	mm	25 x 1						40 x 1		
	Make Up	mm	25 x 1								
Make Up	Evaporation Loss	(%)	0.83								
	Drift Loss	(%)	0.01								
Weight	Dry Weight	Kg	230	260	430	590	751	761	861	863	895
	Operating Weight	Kg	506	570	1520	1612	2751	2763	2861	2863	2895
Noise Lever	Measuring (W)	dBA	52	58	52	57	55	59	57	58	57
	Measuring (L)	dBA	48	56	46	51	49	53	52	54	53

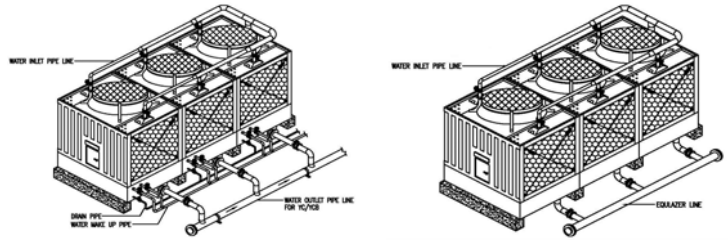
Nominal Cooling Capacity is base on 13ℓ / min / RT (1 RT = 3,900 Kcal/hr) at 37° CHW, 32° CCW and 27°CWB.

Note: Specification and dimension are subject to change without prior notice.

YC-H SERIES - STANDARD TYPE

Features:

- Hot water inlet at top basin type
- FRP basin design for flexible pipes line open, and last long used.
- FRP basin design for individual operation and easy maintenance



MODEL			TWO CELLS					THREE CELLS			FOUR CELLS			
ITEM			YC 300H	YC 350H	YC 400H	YC 450H	YC 500H	YC 600H	YC 700H	YC 750H	YC 800H	YC 900H	YC 1000H	
Capacity	Cooling Capacity	RT	300	350	400	450	500	600	700	750	800	900	1000	
	Heat Rejection	Kcal/hr	1170000	1365000	1560000	1755000	1950000	2340000	2730000	2925000	3120000	3510000	3900000	
	Water Flow Rate	ℓ/min	3900	4550	5200	5850	6500	7800	9100	9750	10400	11700	13000	
	Air Flow Rate	m³/min	1920	2270	2570	2920	3320	3855	4580	4950	5140	5840	6640	
	Hot Water Temp.	°C	37											
	Cold Water Temp.	°C	32											
	Wet Bulb Ambient.	°C	27											
Overall Dimension	Width (W)	mm	4000					6000			8000			
	Length (L)	mm	4000					4000			4000			
	Height (H)	mm	2975		3475		3925	3475		3925	3475		3925	
Material	Casing / Basin		FRP											
	Steel Structure		Hot - Dip Galvanized Steel (Stainless Steel as Option)											
	Filler		PVC											
	Distribution Tray		FRP											
	Bolt & Nuts		H. D. Galvanized as Standard (Stainless Steel as Option)											
	Fan		Fan Blade : Extrusion Aluminium Blade, Hub : Aluminium Alloy											
Fan	Type		AXIAL - FLOW											
	Diameters		1600 x 2					1600 x 3			1600 x 4			
	Number of Blades		FOUR											
	Fan Speed (Rpm)		410	337			360	337		360	337		360	
	Drive System		Fan Belt Drives as standard (Direct Drive as option)											
Motor	Type		TEFC - IP55 (TEAO Motor as option)											
	Power Source		3 Phase / 415V / 50Hz / 400V / 60Hz											
	Rate Output (kW)		4 x 2	5.5 x 2			7.5 x 2	5.5 x 3		7.5 x 3	5.5 x 4		7.5 x 4	
			Fan Belt Drive as Standard											
			4 x 2 Direct Drive as option			5.5 x 2 Direct Drive as option		4 x 3 Direct Drive as option	5.5 x 3 Direct Drive as option		4 x 4 Direct Drive as option	5.5 x 4 Direct Drive as option		
Drive System		Two Motor					Three Motor			Four Motor				
Distribution System			By Open Gravity											
Piping Dimension	Hot Water Inlet	mm	*100 x 4					*100 x 6			*100 x 8			
	Cold Water Outlet	mm	150 x 2			200 x 2		150 x 3		200 x 3		150 x 4		200 x 4
	Drain Pipe	mm	50 x 2					50 x 3			50 x 4			
	Over Flow Pipe	mm	50 x 2					50 x 3			50 x 4			
	Float Valve	mm	40 x 2					40 x 3			40 x 4			
	Make Up	mm	25 x 2					25 x 3			25 x 4			
Make Up	Evaporation Loss	(%)	0.83											
	Drift Loss	(%)	0.01											
Weight	Dry Weight	Kg	1401	1419	1574	1582	1691	2396	2419	2602	2935	2971	3175	
	Operating Weight	Kg	3401	5419	5574	5582	5691	8396	8419	8602	10935	10971	11175	
Noise Lever	Measuring (W)	dBA	58	62	61	58	60	62	57	61	62	60	62	
	Measuring (L)	dBA	52	52	53	52	54	54	53	53	54	53	55	

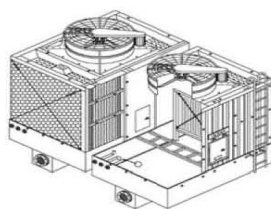
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Note: Specification and dimension are subject to change without prior notice.

YC-S SERIES - STANDARD TYPE

Features:

- Hot water inlet at top basin type
- FRP basin design for flexible pipes line open, and last long used.
- FRP basin design for individual operation and easy maintenance



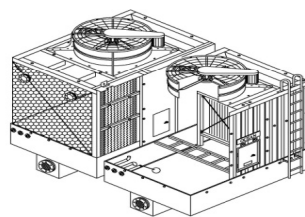
MODEL ITEM			ONE CELL										
			YC300S	YC350S	YC400S	YC450S	YC500S	YC600S	YC650S	YC700S	YC800S	YC900S	YC1000S
Capacity	Cooling Capacity	RT	300	350	400	450	500	600	650	700	800	900	1000
	Heat Rejection	Kcal/hr	1170000	1365000	1560000	1755000	1950000	2340000	2535000	2730000	3120000	3510000	3900000
	Water Flow Rate	ℓ/min	3900	4550	5200	5850	6500	7800	8450	9100	10400	11700	13000
	Air Flow Rate	m³/min	1900	1920	2421	2486	2849	3237	3485	3765	4271	4837	5352
	Hot Water Temp.	°C	37										
	Cold Water Temp.	°C	32										
	Wet Bulb Ambient.	°C	27										
Overall Dimension	Width (W)	mm	2300	2600	2800		3200	3800		4200	4500	4700	
	Length (L)	mm	4300	4400	4600		4600	5200		5500	5200	6200	6700
	Height (H)	mm	3550	3550	4025	4525	4125	5050		5200		5325	
Material	Casing / Basin		FRP										
	Steel Structure		Hot - Dip Galvanized Steel (Stainless Steel as Option)										
	Filler		PVC										
	Distribution Tray		FRP										
	Bolt & Nuts		H. D. Galvanized as Standard (Stainless Steel as Option)										
	Fan		Fan Blade : Extrusion Aluminium Blade, Hub : Aluminium Alloy										
Fan	Type		AXIAL - FLOW										
	Diameters		1800 x 1	2000 x 1	2500 x 1			2600 x 1		2800 x 1	3000 x 1		
	Number of Blades		4										
	Fan Speed (Rpm)		380	395	400	370	385	370	390		410	425	440
	Drive System		Fan Belt Drives as standard										
Motor	Type		TEFC - IP55										
	Power Source		3 Phase / 415V / 50Hz / 400V / 60 Hz										
	Rated Output (kW)		7.5 x 1	11 x 1			15 x 1		18.5 x 1		22 x 1	30 x 1	37 x 1
			Fan Belt Drive Only										
Drive System		One Motor											
Distribution System			By Open Gravity										
Piping Dimension	Hot Water Inlet	mm	* 100 x 2				* 125 x 2						
	Cold Water Outlet	mm	200 x 1		250 x 1					300 x 1			
	Drain Pipe	mm	50 x 1				80 x 1						
	Over Flow Pipe	mm	50 x 1				50 x 1						
	Float Valve	mm	40 x 1				40 x 2						
	Make Up	mm	40 x 1				50 x 1						
Make Up	Evaporation Loss	(%)	0.83										
	Drift Loss	(%)	0.01										
Weight	Dry Weight	Kg	995	1046	1980	2178	2350	2680	3300	3650	3800	4100	4430
	Operating Weight	Kg	3445	3496	4356	4573	4935	5628	6930	7665	7980	8610	9303
Noise Lever	Measuring (W)	dBA	59	62	72	71	73	74	77	79	81	83	85
	Measuring (L)	dBA	55	59	63	62	63	65	68	68	73	73.5	75

Nominal Cooling Capacity is base on 13ℓ / min / RT (1 RT = 3,900 Kcal/hr) at 37° CHW, 32° CCW and 27°CWB.

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YCB-H SERIES - BUILD IN PIPING TYPE

- Hot water inlet/ outlet design build in pipes line from bottom or low level
- Hot water basin design is fully cover to avoid clogging and algae
- No back flow water after cooling tower has been switch off (Water & chemical saving type)
- FRP basin design for more last long used, more flexible for pipes lines open
- FRP basin design for individual operation & easy maintenance



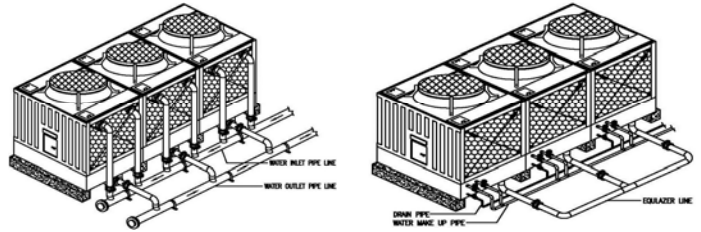
MODEL			ONE CELL								
ITEM			YCB 60H	YCB 80H	YCB 100H	YCB 125H	YCB 150H	YCB 175H	YCB 200H	YCB 225H	YCB 250H
Capacity	Cooling Capacity	RT	60	80	100	125	150	175	200	225	250
	Heat Rejection	Kcal/hr	234000	312000	390000	487500	585000	682500	780000	877500	975000
	Water Flow Rate	ℓ/min	780	1040	1300	1625	1950	2275	2600	2925	3250
	Air Flow Rate	m³/min	818	593	686	815	1004	1236	1252	1383	1492
	Hot Water Temp.	°C	37								
	Cold Water Temp.	°C	32								
	Wet Bulb Ambient.	°C	27								
Overall Dimension	Width (W)	mm	1300		1500	1650	2000				
	Length (L)	mm	3000		3200	3650	4000				
	Height (H)	mm	2225		2825		2975		3475		3925
Material	Casing / Basin		FRP								
	Steel Structure		Hot - Dip Galvanized Steel (Stainless Steel as Option)								
	Filler		PVC								
	Distribution Tray		FRP								
	Bolt & Nuts		H. D. Galvanized as Standard (Stainless Steel as Option)								
	Fan		ABS Plastic		Fan Blade : Extrusion Aluminium Blade, Hub : Aluminium Alloy						
Fan	Type		AXIAL - FLOW								
	Diameters		980 x 1		1100 x 1	1400 x 1	1600 x 1				
	Number of Blades		THREE/FOUR								
	Fan Speed (Rpm)		280	320	380	440	410	337		360	
	Drive System		Direct Drive			Fan Belt Drives as standard (Direct Drive as option)					
Motor	Type		TEAO		TEFC - IP55 (TEAO Motor as option)						
	Power Source		3 Phase / 415V / 50Hz / 400V / 60 Hz								
	Rated Output (kW)		1.5 x 1			4 x 1		5.5 x 1			7.5 x 1
			Direct Drive Only			2.2 kW Direct Drive as option		4 kW Direct Drive as option		5.5 kW Direct Drive as option	
						Fan Belt Drive as Standard					
Drive System		One Motor									
Distribution System			By Open Gravity								
Piping Dimension	Hot Water Inlet	mm	* 65 x 2			* 80 x 2					* 100 x 2
	Cold Water Outlet	mm	80 x 1			100 x 1		150 x 1			200 x 1
	Drain Pipe	mm	25 x 1			50 x 1					
	Over Flow Pipe	mm	25 x 1			50 x 1					
	Float Valve	mm	25 x 1						40 x 1		
	Make Up	mm	25 x 1								
Make Up	Evaporation Loss	(%)	0.83								
	Drift Loss	(%)	0.01								
Weight	Dry Weight	Kg	230	260	430	590	751	761	861	863	895
	Operating Weight	Kg	506	570	1520	1612	2751	2763	2861	2863	2895
Noise Lever	Measuring (W)	dBA	52	58	52	57	55	59	57	58	57
	Measuring (L)	dBA	48	56	46	51	49	53	52	54	53

Nominal Cooling Capacity is base on 13ℓ / min / RT (1 RT = 3,900 Kcal/hr) at 37° CHW, 32° CCW and 27°CWB.

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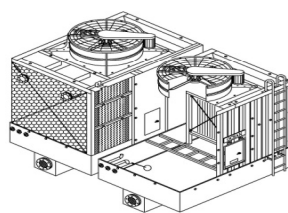
MODEL ITEM			TWO CELLS					THREE CELLS			FOUR CELLS		
			YCB300H	YCB350H	YCB400H	YCB450H	YCB500H	YCB600H	YCB700H	YCB750H	YCB800H	YCB900H	YCB1000H
Capacity	Cooling Capacity	RT	300	350	400	450	500	600	700	750	800	900	1000
	Heat Rejection	Kcal/hr	1170000	1365000	1560000	1755000	1950000	2340000	2730000	2925000	3120000	3510000	3900000
	Water Flow Rate	ℓ/min	3900	4550	5200	5850	6500	7800	9100	9750	10400	11700	13000
	Air Flow Rate	m³/min	1920	2270	2570	2920	3320	3855	4580	4950	5140	5840	6640
	Hot Water Temp.	°C	37										
	Cold Water Temp.	°C	32										
	Wet Bulb Ambient.	°C	27										
Overall Dimension	Width (W)	mm	4000					6000			8000		
	Length (L)	mm	4000					4000			4000		
	Height (H)	mm	2975	3475		3925	3475		3925	3475		3925	
Material	Casing / Basin		FRP										
	Steel Structure		Hot - Dip Galvanized Steel (Stainless Steel as Option)										
	Filler		PVC										
	Distribution Tray		FRP										
	Bolt & Nuts		H. D. Galvanized as Standard (Stainless Steel as Option)										
	Fan		Fan Blade : Extrusion Aluminium Blade, Hub : Aluminium Alloy										
Fan	Type		AXIAL - FLOW										
	Diameters		1600 x 2					1600 x 3			1600 x 4		
	Number of Blades		FOUR										
	Fan Speed (Rpm)		410	337		360	337		360	337		360	
	Drive System		Fan Belt Drives as standard (Direct Drive as option)										
Motor	Type		TEFC - IP55 (TEAO Motor as option)										
	Power Source		3 Phase / 415V / 50Hz / 400V / 60Hz										
	Rate Output (kW)		4 x 2	5.5 x 2		7.5 x 2	5.5 x 3		7.5 x 3	5.5 x 4		7.5 x 4	
			Fan Belt Drive as Standard										
			4 x 2 Direct Drive as option			5.5 x 2 Direct Drive as option		4 x 3 Direct Drive as option	5.5 x 3 Direct Drive as option		4 x 4 Direct Drive as option	5.5 x 4 Direct Drive as option	
	Drive System		Two Motor					Three Motor			Four Motor		
Distribution System			By Open Gravity										
Piping Dimension	Hot Water Inlet	mm	*80 x 4				*100 x 4	*80 x 6		*100 x 6	*80 x 8		*100 x 8
	Cold Water Outlet	mm	150 x 2				200 x 2	150 x 3		200 x 3	150 x 4		200 x 4
	Drain Pipe	mm	50 x 2					50 x 3			50 x 4		
	Over Flow Pipe	mm	50 x 2					50 x 3			50 x 4		
	Float Valve	mm	40 x 2					40 x 3			40 x 4		
	Make Up	mm	25 x 2					25 x 3			25 x 4		
Make Up	Evaporation Loss	(%)	0.83										
	Drift Loss	(%)	0.01										
Weight	Dry Weight	Kg	1401	1419	1574	1582	1691	2396	2419	2602	2935	2971	3175
	Operating Weight	Kg	3401	5419	5574	5582	5691	8396	8419	8602	10935	10971	11175
Noise Lever	Measuring (W)	dBA	58	62	61	58	60	62	57	61	62	60	62
	Measuring (L)	dBA	52	52	53	52	54	54	53	53	54	53	55

Nominal Cooling Capacity is base on 13ℓ / min / RT (1 RT = 3,900 Kcal/hr) at 37° CHW, 32° CCW and 27°CWB.

Note: Specification and dimension are subject to change without prior notice.

YCB-S SERIES - BUILD IN PIPING TYPE

- Hot water inlet/ outlet design build in pipes line from bottom or low level
- Hot water basin design is fully cover to avoid clogging and algae
- No back flow water after cooling tower has been switch off (Water & chemical saving type)
- FRP basin design for more last long used, more flexible for pipes lines open
- FRP basin design for individual operation & easy maintenance



MODEL ITEM			ONE CELL										
			YCB300S	YCB350S	YCB400S	YCB450S	YC500S	YC600S	YC650S	YC700S	YC800S	YC900S	YC1000S
Capacity	Cooling Capacity	RT	300	350	400	450	500	600	650	700	800	900	1000
	Heat Rejection	Kcal/hr	1170000	1365000	1560000	1755000	1950000	2340000	2535000	2730000	3120000	3510000	3900000
	Water Flow Rate	ℓ/min	3900	4550	5200	5850	6500	7800	8450	9100	10400	11700	13000
	Air Flow Rate	m³/min	1900	1920	2421	2486	2849	3237	3485	3765	4271	4837	5352
	Hot Water Temp.	°C	37										
	Cold Water Temp.	°C	32										
	Wet Bulb Ambient.	°C	27										
Overall Dimension	Width (W)	mm	2300	2600	2800		3200	3800		4200	4500	4700	
	Length (L)	mm	4300	4400	4600		4600	5200		5500	5200	6200	6700
	Height (H)	mm	3550	3550	4025	4525	4125	5050		5200		5325	
Material	Casing / Basin		FRP										
	Steel Structure		Hot - Dip Galvanized Steel (Stainless Steel as Option)										
	Filler		PVC										
	Distribution Tray		FRP										
	Bolt & Nuts		H. D. Galvanized as Standard (Stainless Steel as Option)										
	Fan		Fan Blade : Extrusion Aluminium Blade, Hub : Aluminium Alloy										
Fan	Type		AXIAL - FLOW										
	Diameters		1800 x 1	2000 x 1	2500 x 1			2600 x 1		2800 x 1	3000 x 1		
	Number of Blades		4										
	Fan Speed (Rpm)		380	395	400	370	385	370	390		410	425	440
	Drive System		Fan Belt Drives as standard										
Motor	Type		TEFC - IP55										
	Power Source		3 Phase / 415V / 50Hz / 400V / 60 Hz										
	Rated Output (kW)		7.5 x 1	11 x 1			15 x 1		18.5 x 1		22 x 1	30 x 1	37 x 1
	Drive System		Fan Belt Drive Only										
Distribution System			One Motor										
Distribution System			By Open Gravity										
Piping Dimension	Hot Water Inlet	mm	* 100 x 2					* 125 x 2					
	Cold Water Outlet	mm	200 x 1		250 x 1					300 x 1			
	Drain Pipe	mm	50 x 1					80 x 1					
	Over Flow Pipe	mm	50 x 1					50 x 1					
	Float Valve	mm	40 x 1					40 x 2					
	Make Up	mm	40 x 1					50 x 1					
Make Up	Evaporation Loss	(%)	0.83										
	Drift Loss	(%)	0.01										
Weight	Dry Weight	Kg	995	1046	1980	2178	2350	2680	3300	3650	3800	4100	4430
	Operating Weight	Kg	3445	3496	4356	4573	4935	5628	6930	7665	7980	8610	9303
Noise Lever	Measuring (W)	dBA	59	62	72	71	73	74	77	79	81	83	85
	Measuring (L)	dBA	55	59	63	62	63	65	68	68	73	73.5	75

Nominal Cooling Capacity is base on 13ℓ / min / RT (1 RT = 3,900 Kcal/hr) at 37° CHW, 32° CCW and 27°CWB.

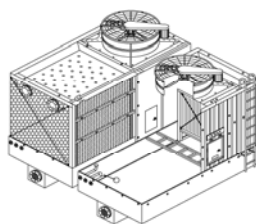
Note: YCB series build in piping type design up to 450TR, 500TR onward used back YC series.

Specification and dimension are subject to change without prior notice.

YCB-SC-H SERIES - Single Air Intake with Build in Piping Type

Features:

- More space saving type.
- Hot water return line from side inlet type.
- FRP basin design for individual operation and maintenance.
- Hot water basin design is fully cover to avoid clogging and algae.
- No back flow water after cooling tower has been switch off.(Water and chemicals saving type)



MODEL ITEM			ONE CELL								
			YCB-SC60H	YCB-SC80H	YCB-SC100H	YCB-SC125H	YCB-SC150H	YCB-SC175H	YCB-SC200H	YCB-SC225H	YCB-SC250H
Capacity	Cooling Capacity	RT	60	80	100	125	150	175	200	225	250
	Heat Rejection	Kcal/hr	234000	312000	390000	487500	585000	682500	780000	877500	975000
	Water Flow Rate	ℓ/min	780	1040	1300	1625	1950	2275	2600	2925	3250
	Air Flow Rate	m³/min	818	593	686	815	1004	1236	1252	1383	1492
	Hot Water Temp.	°C	37								
	Cold Water Temp.	°C	32								
	Wet Bulb Ambient.	°C	27								
Overall Dimension	Width (W)	mm	1300		1500	1650	2000				
	Length (L)	mm	3000		3200	3650	4000				
	Height (H)	mm	2225		2825		2975		3475		3925
Material	Casing / Basin		FRP								
	Steel Structure		Hot - Dip Galvanized Steel (Stainless Steel as option)								
	Filler		PVC								
	Distribution Tray		FRP								
	Bolt & Nuts		H. D. Galvanized as Standard (Stainless Steel as Option)								
	Fan		ABS Plastic		Fan Blade : Extrusion Aluminium Blade, Hub : Aluminium Alloy						
Fan	Type		AXIAL - FLOW								
	Diameters		980 x 1		1100 x 1	1400 x 1	1600 x 1				
	Number of Blades		THREE/FOUR								
	Fan Speed (Rpm)		280	320	380	440	410	337		360	
	Drive System		Direct Drive			Fan Belt Drives as standard (Direct Drive as option)					
Motor	Type		TEAO			TEFC - IP55 (TEAO Motor as option)					
	Power Source		3 Phase / 415V / 50Hz / 400V / 60 Hz								
	Rated Output (kW)		1.5 x 1			4 x 1		5.5 x 1			7.5 x 1
			Direct Drive Only			Fan Belt Drive as Standard					
						2.2 kw x 1	4 kW Direct Drive as option			5.5 kW Direct Drive as option	
Drive System		One Motor									
Distribution System			By Open Gravity								
Piping Dimension	Hot Water Inlet	mm	* 65 x 2		* 80 x 2						* 100 x 2
	Cold Water Outlet	mm	80 x 1		100 x 1		150 x 1				200 x 1
	Drain Pipe	mm	25 x 1		50 x 1						
	Over Flow Pipe	mm	25 x 1		50 x 1						
	Float Valve	mm	25 x 1						40 x 1		
	Make Up	mm	25 x 1								
Make Up	Evaporation Loss	(%)	0.83								
	Drift Loss	(%)	0.01								
Weight	Dry Weight	Kg	230	260	430	590	751	761	861	863	895
	Operating Weight	Kg	506	570	1520	1612	2751	2763	2861	2863	2895
Noise Lever	Measuring (W)	dBA	52	58	52	57	55	59	57	58	57
	Measuring (L)	dBA	48	56	46	51	49	53	52	54	53

Nominal Cooling Capacity is base on 13ℓ / min / RT (1 RT = 3,900 Kcal/hr) at 37° CHW, 32° CCW and 27°CWB.

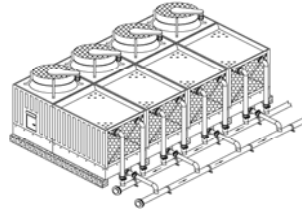
Note : 300TR-450TR single cell upon request, please refer to local agent.

Specification and dimension are subject to change without prior notice.

YCB-SC-H SERIES - Single Air Intake with Build in Piping Type

Features:

- More space saving type.
- Hot water return line from side inlet type.
- FRP basin design for individual operation and maintenance.
- Hot water basin design is fully cover to avoid clogging and algae.
- No back flow water after cooling tower has been switch off.(Water and chemicals saving type)



MODEL ITEM			TWO CELLS					THREE CELLS			FOUR CELLS		
			YCB-SC300H	YCB-SC350H	YCB-SC400H	YCB-SC450H	YCB-SC500H	YCB-SC600H	YCB-SC700H	YCB-SC750H	YCB-SC800H	YCB-SC900H	YCB-SC1000H
Capacity	Cooling Capacity	RT	300	350	400	450	500	600	700	750	800	900	1000
	Heat Rejection	Kcal/hr	1170000	1365000	1560000	1755000	1950000	2340000	2730000	2925000	3120000	3510000	3900000
	Water Flow Rate	ℓ/min	3900	4550	5200	5850	6500	7800	9100	9750	10400	11700	13000
	Air Flow Rate	m³/min	1920	2270	2570	2920	3320	3855	4580	4950	5140	5840	6640
	Hot Water Temp.	°C	37										
	Cold Water Temp.	°C	32										
	Wet Bulb Ambient.	°C	27										
Overall Dimension	Width (W)	mm	4000					6000			8000		
	Length (L)	mm	4000					4000			4000		
	Height (H)	mm	2975	3475		3925	3475		3925	3475		3925	
Material	Casing / Basin		FRP										
	Steel Structure		Hot Dip Galvanized Steel (Stainless Steel as Option)										
	Filler		PVC										
	Distribution Tray		FRP										
	Bolt & Nuts		H. D. Galvanized as Standard (Stainless Steel as Option)										
	Fan		Fan Blade : Extrusion Aluminium Blade, Hub : Aluminium Alloy										
Fan	Type		AXIAL - FLOW										
	Diameters		1600 x 2					1600 x 3			1600 x 4		
	Number of Blades		FOUR										
	Fan Speed (Rpm)		410	337		360	337		360	337		360	
	Drive System		Fan Belt Drives as standard (Direct Drive as option)										
Motor	Type		TEFC - IP55 (TEAO Motor as option)										
	Power Source		3 Phase / 415V / 50Hz / 400V / 60Hz										
	Rate Output (kW)		4 x 2	5.5 x 2		7.5 x 2	5.5 x 3		7.5 x 3	5.5 x 4		7.5 x 4	
			Fan Belt Drive as Standard										
			4 x 2 Direct Drive as option			5.5 x 2 Direct Drive as option		4 x 3 Direct Drive as option	5.5 x 3 Direct Drive as option		4 x 4 Direct Drive as option	5.5 x 4 Direct Drive as option	
Drive System		Two Motor					Three Motor			Four Motor			
Distribution System			By Open Gravity										
Piping Dimension	Hot Water Inlet	mm	*80 x 4				*100 x 4	*80 x 6		*100 x 6	*80 x 8		*100 x 8
	Cold Water Outlet	mm	150 x 2				200 x 2	150 x 3		200 x 3	150 x 4		200 x 4
	Drain Pipe	mm	50 x 2					50 x 3			50 x 4		
	Over Flow Pipe	mm	50 x 2					50 x 3			50 x 4		
	Float Valve	mm	40 x 2					40 x 3			40 x 4		
	Make Up	mm	25 x 2					25 x 3			25 x 4		
Make Up	Evaporation Loss	(%)	0.83										
	Drift Loss	(%)	0.01										
Weight	Dry Weight	Kg	1401	1419	1574	1582	1691	2396	2419	2602	2935	2971	3175
	Operating Weight	Kg	3401	5419	5574	5582	5691	8396	8419	8602	10935	10971	11175
Noise Lever	Measuring (W)	dB(A)	58	62	61	58	60	62	57	61	62	60	62
	Measuring (L)	dB(A)	52	52	53	52	54	54	53	53	54	53	55

Nominal Cooling Capacity is base on 13ℓ / min / RT (1 RT = 3,900 Kcal/hr) at 37° CHW, 32° CCW and 27°CWB.

Note: Specification and dimension are subject to change without prior notice.

International Jobs Reference Pictures...



Coral Beach Hotel. Ajman. Dubai



G.P Tower Hotel. KL. Malaysia



J.W. Marriott. Medan. Indonesia



Ramada Hotel. Islamabad. Pakistan



Prime Minister Office. Cambodia



J.W. Marriott. Manila. Philippines



Le Meridien. HCM. Vietnam



Novotel. HCM. Vietnam



Sheraton Hotel. Guam. USA



Taj Exotica Resorts. Sri Lanka



North South Uni. Dhaka. Bangladesh



Resort World. Manila. Philippines



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