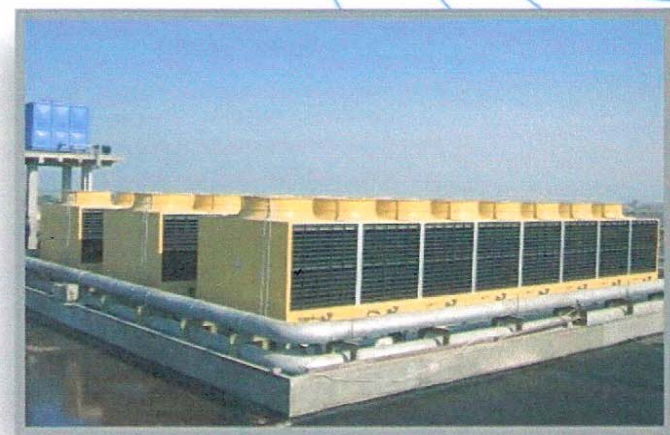
OCEAN
COOLING TOWER

- Modular Type
- Space Saving
- Easy Maintenance
- Low Operating Noise

- وحدة التدفقات المائية ذات وحدات تركيبية
- مقتصد للطاقة
- مقتصد للمكان (يوفر عليكم مساحات أوسع)
- قليل الضجيج عند التشغيل
- صيانة سهلة وغير معقدة
- وحدة مركبة التدفقات المائية : 100 طن - 1000 طن فما فوق



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JOB REFERENCE

- YCB 2500H x 2
- Build In Piping Type
- Designed for Shopping Mall

- YCB 2000H x 3
- Build In Piping Type
- Designed for Shopping Mall

- YCB 675 x 4
- Build In Piping Type
- Designed for Commercial Building

- YC/LN 800 x 3
- Super Low Noise Type
- Designed for Condominium apartment

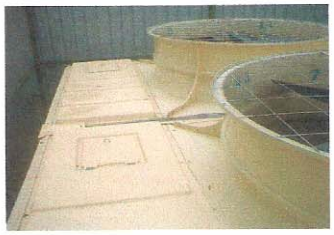
- YCB 3000 x 1
- Square Type
- Designed for Hotel Project

- YCB 3500 x 1
- Square Type
- Designed for Hospital Project

FAN DRIVE SYSTEM

- Fan Belt Drive
  (Inside Air Trem)
- Fan Belt Drive
  (Outside Air Trem)
- Gear Drive
  (Option Item)
- Direct Drive
  (YC100 ~ 125, 150)

TRAY BASIN



- 'No' Algue
- 'No' Clogging
- 'No' Back Flow Water after stop
- 'No' Heavy Structure Support On Top

HOT WATER INLET/ OUTLET PIPES

- Save Piping Cost
- Fast Installation
- Easy Maintenance

COOLING TOWER BASIN

- 'No' Metal Structure
- 'No' Corrosion
- 'No' FRP Joint

SPECIFICATION FOR YC-H (COMPACT) SERIES

- *YC / LN - SUPER LOW NOISE*
- *YC-SS - STAINLESS STEEL*
- *YC-B - BUILD IN PIPING*

ITEM		MODEL	ONE CELL								
			YC 100H	YC 125H	YC150H	YC 175H	YC 200H	YC 225H	YC 250H	YC 300H	YC 325H
Capacity	Cooling Capacity	RT	100	125	150	175	200	225	250	300	325
	Heat Rejection	Kcal/hr	390000	487500	585000	682500	780000	877500	975000	1170000	1267500
	Water Flow Rate	ℓ/min	1300	1625	1950	2275	2600	2925	3250	3900	4225
	Air Flow Rate	m³/min	630	800	900	1135	1285	1460	1660	1980	2100
	Hot Water Temp.	°C	37								
	Cold Water Temp.	°C	32								
	Wet Bulb Ambient.	°C	27								
Overall Dimension	Width (W)	mm	1650		2000					2300	
	Length (L)	mm	3650		4000					4300	
	Height (H)	mm	2725		2925		3125	3375	3500	3425	3600
Material	Casing / Basin		FRP								
	Steel Structure		Hot - Dip Galvanized Steel								
	Filler		PVC								
	Distribution Tray		FRP								
	Bolt & Nuts		Stainless Steel / H. D. Galvanized								
	Louvers		PVC								
	Fan		Fan Blade : Extrusion Aluminium Blade, Hub = Aluminium Alloy								
Fan	Type		AXIAL - FLOW								
	Diameters		1400 x 1		1600 x 1					1800 x 1	
	Number of Blades		FOUR								
	Fan Speed (Rpm)		400	440	410	430			450		480
	Drive System		Direct drive					Direct Drive / Fan Belt Drives			
Motor	Type		TEFC - IP55								
	Power Source		3 Phase / 415V / 50Hz / 400V / 60 Hz								
	Rated Output (kW)		2.2 x 1		4 x 1			5.5 x 1		7.5 x 1	11 x 1
	Drive System		One								
Distribution System			By Open Gravity								
Piping Dimesion	Hot Water Inlet	mm	80 x 2		100 x 2						
	Cold Water Outlet	mm	125 x 1		150 x 1				200 x 1		
	Drain Pipe	mm	50 x 1		50 x 1						
	Over Flow Pipe	mm	50 x 1		50 x 1						
	Float Valve	mm	25					40			
	Make Up	mm	25 x 1								
Make Up	Evaporation Loss	(%)	0.83								
	Drift Loss	(%)	0.01								
Weight	Dry Weight	Kg	860	870	910	950	1080	1210	1310	1340	1440
	Operating Weight	Kg	2415	2425	3165	3205	3773	3903	4003	4390	4490
Noise Lever	Measuring (W)	dBA	52	57	55	59	57	58	57	59	62
	Measuring (L)	dBA	46	51	49	53	52	54	53	55	59

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

NOTE : Technical Specification for YC-B, YC-SS, please refer to YC-Series.

SPECIFICATION FOR YC-H (COMPACT) SERIES

- *YC / LN - SUPER LOW NOISE*
- *YC-SS - STAINLESS STEEL*
- *YC-B - BUILD IN PIPING*

ITEM \ MODEL			TWO CELLS					THREE CELLS			FOUR CELLS		
			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	1750000	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	2925		3125	3375	3500	3125	3500		3125	3375	3500
Material	Casing / Basin		FRP										
	Steel Structure		Hot - Dip Galvanized Steel										
	Filler		PVC										
	Distribution Tray		FRP										
	Bolt & Nuts		Stainless Steel / H. D. Galvanized										
	Louvers		PVC										
	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	430			450	430	450		430		450
	Drive System		Direct Drive	Direct Drive / Fan Belt Drives									
Motor	Type		TEFC - IP55										
	Power Source		3 Phase / 415V / 50Hz / 400V / 60Hz										
	Rated Output (kW)		4 x 2			5.5 x 2		4 x 3	5.5 x 3		4 x 4	5.5 x 4	
	Drive System		Two					Three			Four		
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	1510	1550	2130	2380	2580	3250	3760	3800	4230	4680	5060
	Operating Weight	Kg	6020	6060	7516	7766	7966	11329	11839	11879	15002	15452	15832
Noise Level	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 : Technical Specification for YC-B, YC-SS, please refer to YC-Series.

BGMEA - Bangladesh

SGC Mall - Indonesia

Depok Shopping Mall - Indonesia

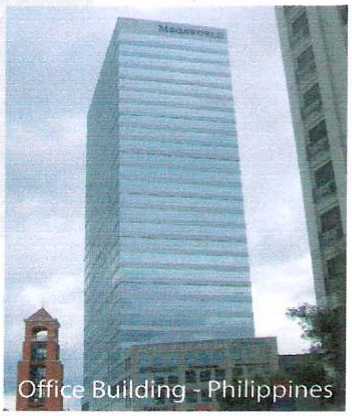
Galaxy Shopping Mall - Indonesia

OCBC Bank - Malaysia

Sheraton Hotel - Guam

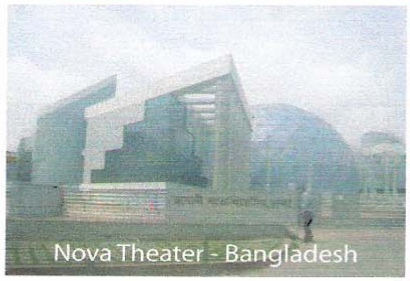
Shopping Mall - Indonesia

Office Building - Indonesia


Office Building - Philippines

S. M. Mall - Philippines

NIKKO Hotel - Indonesia


Nova Theater - Bangladesh

DBKL Building - Malaysia

Dhaka International Airport - Bangladesh