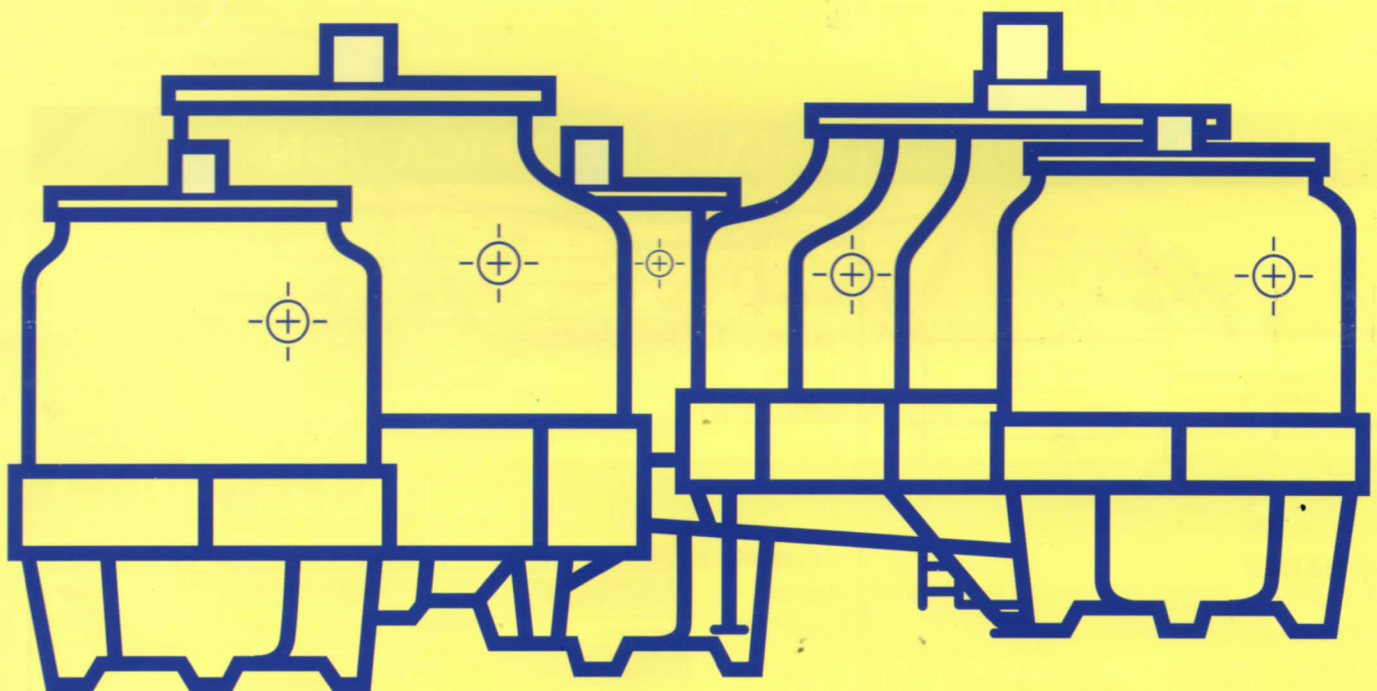


COOLING TOWER

 SERIES



COUNTERFLOW INDUCED DRAFT



CMB is non-corrosive with F.R.P. Material
The compact design suited for Equipment
Cooling/Industrial Process Cooling/Air Conditioning



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399/61 Moo 13, SoiKingkaew 25/1,
T. Rachatewa, A. Bangplee,
Samutprakarn 10540, Thailand

1 FEATURE

- CMB - 5 TO 175
- CMB - 200 TO 350
- CMB - 400 TO 1500

EASY INSTALLATION

The tower is pre-assembled at shop, transported to the job site by Knock-Down and re-assembled into the final shape. It is thus easy and quick installation with stable quality. Site assembly is simplified by modular design on componens.

EXCELLENT ANTI-CORROSION

The casing and cold water basin are made of **FRP** with durability. The frame and other steel parts are **HOT-DIP GALVANIZED** for sure corrosive resistance.

FRP LEGS WITH DIRECT DRIVE.

STEEL LEGS WITH DIRECT DRIVE.

STEEL LEGS WITH SPEED REDUCER.

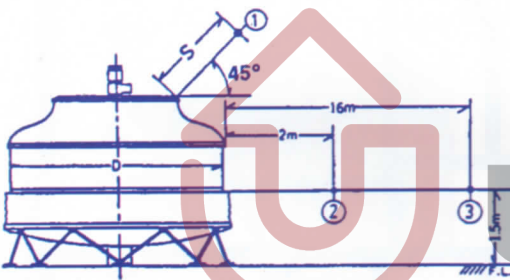
ENERGY-SAVING

The high efficiency rate fan blades and low-pressure-loss filling are adopted to cut down the fan power consumption. The self-rotated sprinkler head is incorporated on water distribution at lower pumping head loss.

SPACE-SAVING & LIGHT-WEIGHT

The circular-shaped design on tower casing and basin with **FRP** composite. Installation space and opearting weight are greatly reduced compared with conventional type.

2 STANDARD MATERIAL SPECIFICATION



REMARKS :

1. Point 21 is 45° extension lime from Air Discharge.
2. Distance "s".

*CMB-125 & downwards-1.5 M.

*CMB-150 & upwards-Fan Diameter

Model CMB-

Fan Motor

Fan Drive

Fan Blade

Casing

Eliminator

Sprinkler Head

Filling

Inlet Louver

Float Valve

Ladder

Sump

Frame Ass'y

5	10	30	40	60	70	175	200	350	400	600	1500
220, 346, 380, 415V, 3Ph 50Hz/60Hz (others available)											
Direct								Speed Reducer			
Reinforced Plastics/ Aluminium Alloy				Aluminium Alloy							
F.R.P.											
Not fitted				F.R.P.							
Reinforced Plastics/ Aluminium Alloy				Aluminium Alloy							
Corrugated & Embossed P.V.C. R-Packing											
P.V.C. Banmesh Louver											
Single Valve								Twin Valve			
Not fitted				Hot Dip Galvanized Steel							
Not fitted								F.R.P.			
Not fitted								Hot Dip Galvanized Steel			

*Note : Speed Reducer available for Belt or Gear Reducer.

8 SOUND PRESSURE LEVEL

TOWER MODEL	CMB-5			CMB-8			CMB-10			CMB-15			CMB-20		
MEASURING POINT	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
SCALE A	62	59	48	63	58	47	64	59	49	69	66	53	69	66	53

UNIT : dB

TOWER MODEL	CMB-25			CMB-30			CMB-40			CMB-50			CMB-60			CMB-70			CMB-80		
MEASURING POINT	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
SCALE A	70	67	57	73	67	59	77	70	59	77	70	59	79	73	64	81	75	66	82	76	67

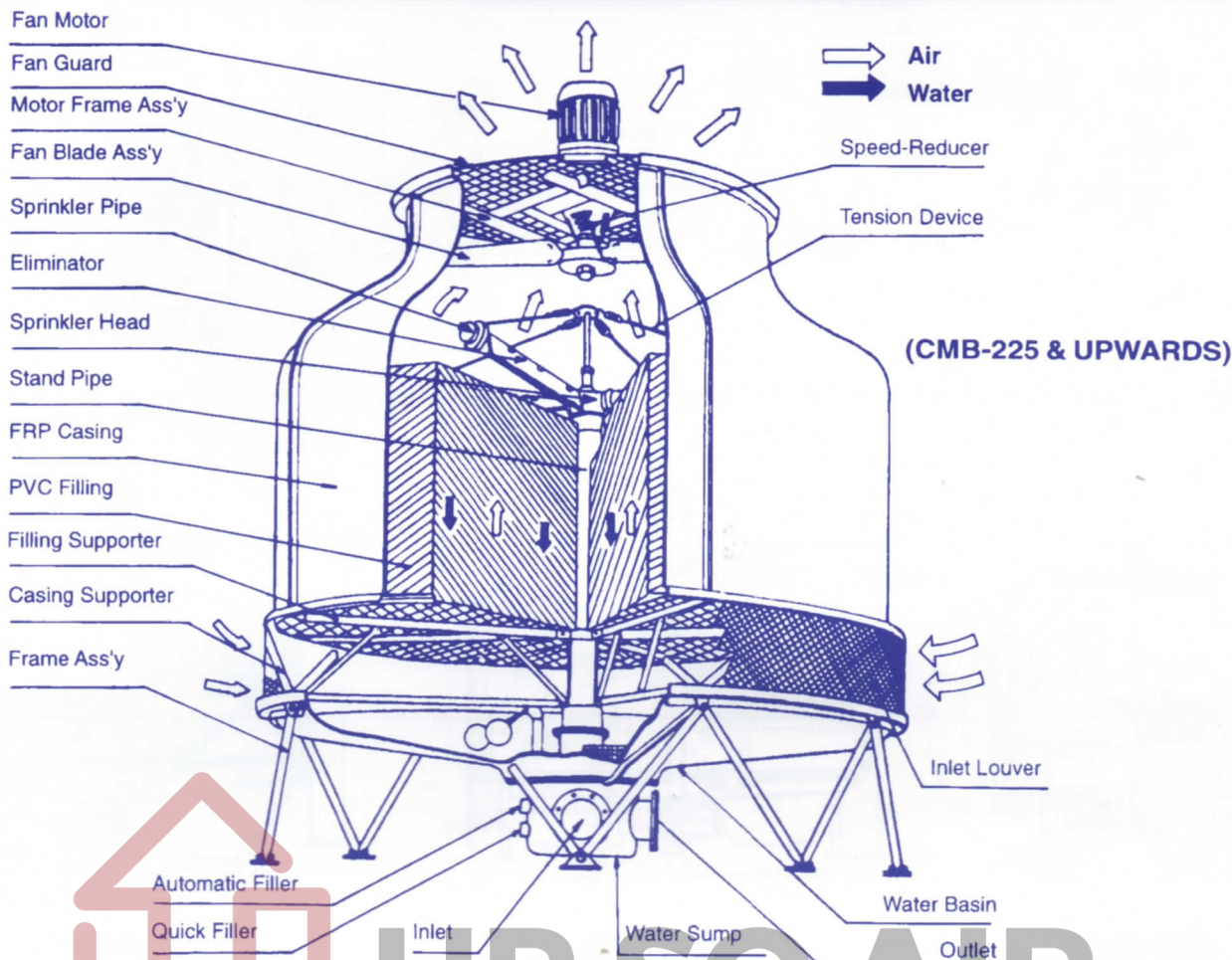
TOWER MODEL	CMB-100			CMB-125			CMB-150			CMB-175			CMB-200			CMB-225			CMB-250			CMB-300		
MEASURING POINT	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
SCALE A	79	71	60	84	74	64	77	70	62	80	75	65	79	73	63	76	71	62	76	71	62	77	72	63

TOWER MODEL	CMB-350			CMB-400			CMB-500			CMB-600			CMB-700			CMB-800			CMB-1000			CMB-1250			CMB-1500		
MEASURING POINT	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
SCALE A	77	72	63	79	74	65	79	74	65	77	72	63	77	72	63	79	74	65	80	75	66	81	76	67	81	76	67

NOTE : THE ACCURACY OF MEASURING VALUE ± 3 DECIBEL IS ACCEPTABLE.

3

CONSTRUCTION



4

INSTALLATION

1. LOCATION

- Well-ventilated and clean area.
- Minimum distance between two towers.



- Minimum clearance between tower and enclosure



- Discharged air from the cooling tower is not re-circulated into the tower.
- Free from dust and dirt, sulfurous acid and hazard gases. These are the major elements to damage refrigerator condenser.
- Open and not affected by sound resonance.

2. POSITION

- See that piping job can be carried out easily.
- Ascertain tower must keep level. The uneven water distribution will decrease cooling efficiency seriously.



- Tighten anchor bolts fully on the foundation.

3. PIPING

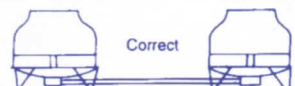
- The inlet/outlet pipe must be lower than the pipe connections of water sump.



- The circulating pump must be located below the water sump under proper operating.



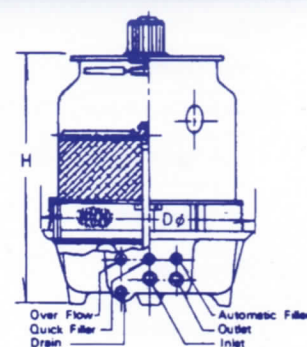
- Two cooling towers with one pump at design, it must offer an equalizer on each tower to keep same water level in it.



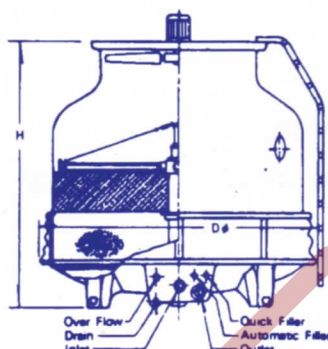
- The high pressure flexible tube shall be joined at inlet/outlet pipe connection (4 inch above) to minimize crack on water sump caused by vibration on improper piping.

4. OTHERS

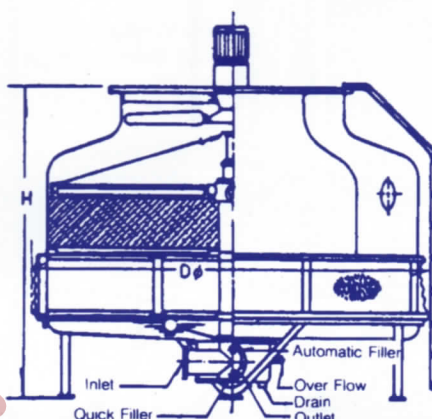
- As tower is set-up completely, be sure there is no tools or other objects left in the tower.
- Check-up if piping or water basin is leaded.
- As make-up water pressure is lower than the specified, install one water tank higher than the water level or a make-up pump in the piping system to obtain the desired pressure.



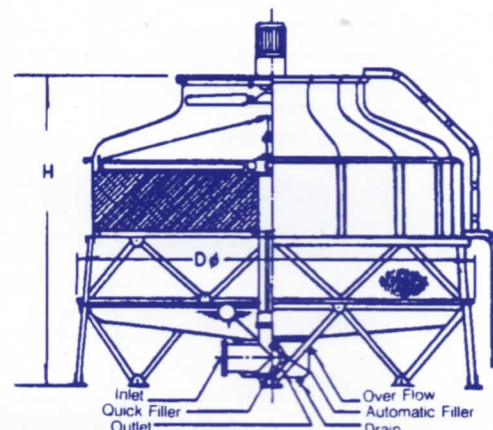
CMB-5-30



CMB-40-175



CMB-200-350

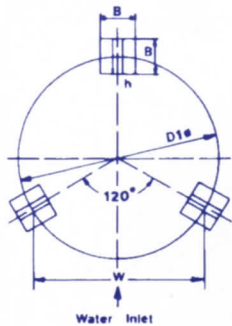


CMB-400-1500

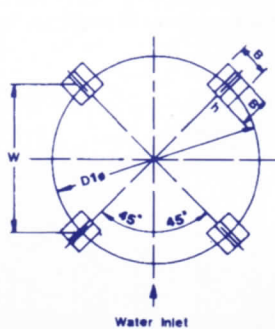
Tower Model CMB	Dimension m/m (INCH)				Pipe Connection m/m (INCH)								Fan Motor H.P.	Fan Dia		Air Volume		Nominal Water Flow					
	H		D		OUTLET	INLET	OVER FLOW	DRAIN	AU	QU	m/m (INCH)			m³/min (CFM)		l/min* (USGPM)							
5	1335	52½	850	33½	40	1½	40	1½	25	1	20	¾	15	½	15	½	1/6	500	19½	60	2100	65	17.2
8	1435	56½	850	33½	40	1½	40	1½	25	1	20	¾	15	½	15	½	1/6	500	19½	45	2620	104	27.5
10	1370	54	1060	41¾	40	1½	40	1½	25	1	20	¾	15	½	15	½	¼	670	26¾	100	3500	130	34.3
15	1495	58⅞	1170	46	50	2	50	2	25	1	25	1	15	½	15	½	¼	670	26¾	135	4700	195	51.5
20	1600	63	1380	54¾	50	2	50	2	25	1	25	1	15	½	15	½	½	770	30¼	180	6300	260	68.7
25	1800	70⅞	1380	54¾	65	2½	65	2½	25	1	25	1	15	½	15	½	1	770	30¼	200	7000	325	85.8
30	1735	68¼	1580	62¼	65	2½	65	2½	25	1	25	1	15	½	15	½	1	770	30¼	225	8100	390	103
40	1890	74½	1760	69¼	65	2½	65	2½	25	1	25	1	20	¾	20	¾	2	970	38¼	280	9800	520	137
50	1890	74½	1970	77½	80	3	80	3	25	1	25	1	20	¾	20	¾	2	970	38¼	330	11500	650	172
60	1850	72⅞	1970	77½	80	3	80	3	25	1	25	1	20	¾	20	¾	2	1170	46	420	14700	780	206
70	1885	74¼	2175	85¾	100	4	100	4	25	1	25	1	20	¾	25	1	2	1170	46	500	17500	910	240
80	1925	75¾	2175	85¾	100	4	100	4	25	1	25	1	20	¾	25	1	2	1170	46	540	18900	1040	275
100	2070	81½	2650	104¾	100	4	100	4	25	1	25	1	25	1	25	1	3	1470	57⅞	700	24500	1300	343
125	2210	87	2950	116⅞	125	5	125	5	50	2	25	1	25	1	25	1	3	1470	57⅞	830	29060	1625	429
150	2445	96¼	3220	126¾	125	5	125	5	50	2	50	2	32	1¼	32	1¼	5	1750	68⅞	950	33260	1950	515
175	2545	100⅞	3220	126¾	125	5	125	5	50	2	50	2	32	1¼	32	1¼	5	1750	68⅞	1150	40250	2275	601
200	2990	117¾	3710	146	150	6	150	6	50	2	50	2	32	1¼	32	1¼	5	1750	68⅞	1250	43760	2600	687
225	2990	117¾	3710	146	150	6	150	6	100	4	50	2	32	1¼	32	1¼	7 ½	2400	94½	1750	61270	2925	773
250	2990	117¾	3710	146	200	8	200	8	100	4	50	2	32	1¼	32	1¼	7 ½	2400	94½	1750	61270	3250	859
300	3240	127½	4300	169¼	200	8	200	8	100	4	50	2	32	1¼	32	1¼	10	2400	94½	2200	77020	3900	1030
350	3280	129	4650	183	200	8	200	8	100	4	50	2	32	1¼	32	1¼	10	2400	94½	2200	77020	4550	1202
400	3955	155¾	5180	203⅞	200	8	200	8	100	4	50	2	50	2	50	2	15	3000	118¾	2600	91030	5200	1374
500	3995	157¼	5580	219⅝	250	10	250	10	100	4	50	2	50	2	50	2	15	3000	118¾	2600	91030	6500	1717
600	4415	173⅞	6600	259⅞	250	10	250	10	100	4	50	2	50	2	50	2	20	3400	133⅞	3750	125000	7800	2060
700	4450	175⅞	6600	259⅞	250	10	250	10	100	4	50	2	50	2	50	2	20	3400	133⅞	3750	125000	9100	2404
800	5010	197¼	7600	299¼	300	12	300	12	100	4	80	3	65	2½	65	2½	30	3600	141¾	5000	175000	10400	2747
1000	5010	197¼	7600	299¼	300	12	300	12	100	4	80	3	65	2½	65	2½	30	3600	141¾	5000	175000	13000	3430
1250	5870	231⅞	8430	331⅞	300	12	300	12	100	4	80	3	65	2½	65	2½	40	4270	168⅞	6200	217000	16250	4292
1500	6220	244⅞	8430	331⅞	350	14	350	14	100	4	80	3	65	2½	65	2½	50	4270	168⅞	7500	262500	19500	5151

* 1. Total pump head required for cooling water circulation pump is the sum of condenser water pressure drop, piping friction loss and tower head.

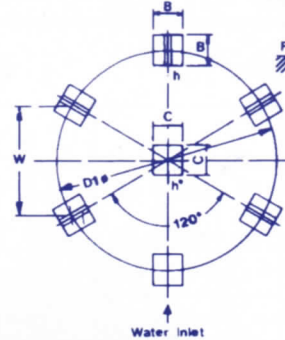
* 2. Nominal Tons are defined as 13 l/min/Ton (3.43 USGPM/Ton), cooled from 37°C TO 32°C with 27°C wet bulb temperature.



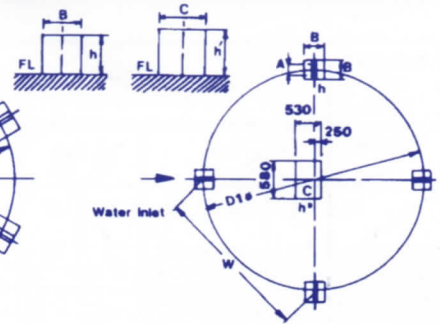
CMB-5-25



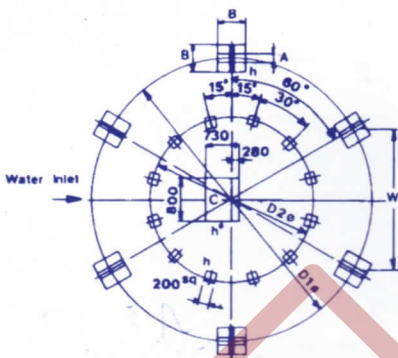
CMB-30-60



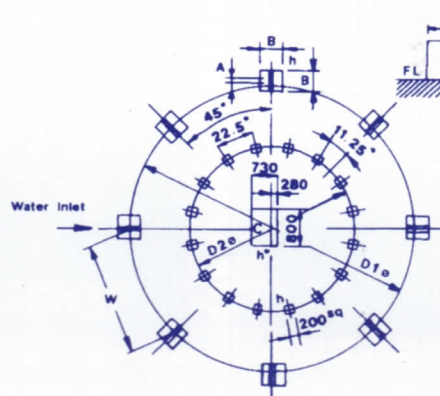
CMB-70-175



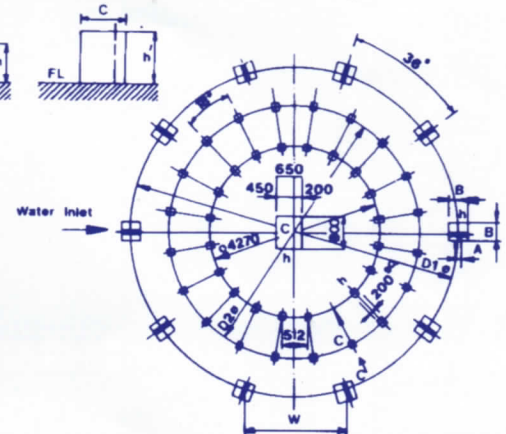
CMB-200-350



CMB-400-500



CMB-600-1000



CMB-1250-1500

Tower Model CMB	Weight:kg		D ₁ m/m (INCH)	W m/m (INCH)	D ₂ m/m (INCH)	A m/m (INCH)	B m/m (INCH)	h m/m (INCH)	h' m/m (INCH)	Anchor Bolt			Pump Head M (FT)
	Dry	Operating								Size m/m (INCH)	Length m/m (INCH)	Qty PCS	
5	40	115	550 21 ³ / ₄	476 18 ³ / ₄			200 8	150 6		12 1/2	120 4 ³ / ₄	3	1.5 5
8	43	120	550 21 ³ / ₄	476 18 ³ / ₄			200 8	150 6		12 1/2	120 4 ³ / ₄	3	1.5 5
10	55	200	750 29 ¹ / ₂	650 25 ¹ / ₂			200 8	150 6		12 1/2	120 4 ³ / ₄	3	1.5 5
15	60	240	580 34 ³ / ₄	762 30 ³ / ₄			200 8	150 6		12 1/2	120 4 ³ / ₄	3	1.6 5.3
20	90	330	1120 44	970 38 ¹ / ₄			200 8	150 6		12 1/2	120 4 ³ / ₄	3	1.7 5.6
25	95	395	1120 44	970 38 ¹ / ₄			200 8	150 6		12 1/2	120 4 ³ / ₄	3	1.7 5.6
30	105	505	1330 52 ¹ / ₂	940 37			200 8	150 6		12 1/2	120 4 ³ / ₄	4	1.8 6
40	160	480	1470 57 ⁷ / ₈	1039 40 ⁷ / ₈			250 10	200 8		12 1/2	120 4 ³ / ₄	4	2 6.6
50	200	600	1680 66 ¹ / ₈	1188 46 ³ / ₄			250 10	200 8		12 1/2	120 4 ³ / ₄	4	2 6.6
60	220	660	1680 66 ¹ / ₈	1188 46 ³ / ₄			250 10	200 8		12 1/2	120 4 ³ / ₄	4	2 6.6
* 70	280	710	1720 69 ¹ / ₈	860 34 ¹ / ₂			250 10	200 8	240 9 ¹ / ₂	12 1/2	120 4 ³ / ₄	5	2 6.6
* 80	300	730	1720 69 ¹ / ₈	860 34 ¹ / ₂			250 10	200 8	240 9 ¹ / ₂	12 1/2	120 4 ³ / ₄	5	2 6.6
100	420	1090	2350 92 ¹ / ₂	1175 46 ¹ / ₄			300 12	300 12	300 11 ³ / ₄	16 5/8	200 8	5	2.5 8.2
125	470	1360	2620 103 ¹ / ₈	1310 51 1/2			300 12	300 12	300 11 ³ / ₄	16 5/8	200 8	5	3 10
* 150	650	2600	2840 111 ¹ / ₈	1420 56 ¹ / ₄			300 12	300 12	350 13 ³ / ₄	16 5/8	200 8	5	3 10
* 175	720	2670	2840 111 ¹ / ₈	1420 56 ¹ / ₄			300 12	300 12	350 13 ³ / ₄	16 5/8	200 8	5	3.2 11
* 200	830	3420	3280 129 ¹ / ₈	2320 91 ¹ / ₄		130 5	300 12	300 12	430 16 ⁷ / ₈	16 5/8	200 8	8	3.2 11
* 225	920	3480	3280 129 ¹ / ₈	2320 91 ¹ / ₄		130 5	300 12	300 12	430 16 ⁷ / ₈	16 5/8	200 8	8	3.2 11
* 250	1150	3690	3280 129 ¹ / ₈	2320 91 ¹ / ₄		130 5	300 12	300 12	430 16 ⁷ / ₈	16 5/8	200 8	8	3.6 12
* 300	1450	4710	3868 152 ¹ / ₄	2735 107 ⁴ / ₂		140 5 ¹ / ₂	300 12	300 12	430 16 ⁷ / ₈	16 5/8	200 8	8	3.6 12
* 350	1550	4830	4190 165	2962 116 ¹ / ₂		140 5 ¹ / ₂	300 12	300 12	430 16 ⁷ / ₈	16 5/8	200 8	8	4 13.2
* 400	2150	6790	5100 200 ³ / ₄	2550 100 ³ / ₈	2900 114 ¹ / ₄	140 5 ¹ / ₂	500 20	300 12	430 16 ⁷ / ₈	20 3/4	200 8	12	4 13.2
* 500	2400	7040	5500 216 ¹ / ₂	2750 108 ¹ / ₄	3100 122	140 5 ¹ / ₂	500 20	300 12	550 21 ³ / ₄	20 3/4	200 8	12	4 13.2
* 600	3000	10380	6500 256	2488 98	3600 141 ³ / ₄	140 5 ¹ / ₂	500 20	300 12	550 21 ³ / ₄	20 3/4	200 8	16	5 16.5
* 700	3500	10900	6500 256	2488 98	3600 141 ³ / ₄	140 5 ¹ / ₂	500 20	300 12	550 21 ³ / ₄	20 3/4	200 8	16	5.5 18.2
* 800	4400	12000	7470 294	2858 113	4155 163 ¹ / ₂	140 5 ¹ / ₂	500 20	300 12	450 17 ³ / ₄	20 3/4	200 8	16	6 20
*1000	5000	12800	7470 294	2858 113	4155 163 ¹ / ₂	140 5 ¹ / ₂	500 20	300 12	450 17 ³ / ₄	20 3/4	200 8	16	6 20
1250	6500	26000	8300 326 ³ / ₄	2574 101 ³ / ₈	6400 252	140 5 ¹ / ₂	500 20	300 12	500 19 ³ / ₄	20 3/4	200 8	20	6.5 21.3
1500	7000	26500	8300 326 ³ / ₄	2574 101 ³ / ₈	6400 252	140 5 ¹ / ₂	500 20	300 12	500 19 ³ / ₄	20 3/4	200 8	20	7 23

C : CMB-70-80 = 250 m/m, CMB-100-125 = 300 m/m, CMB-150-175 = 400 m/m

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

UNIT : LPM

AMBIENT WET BULB		28 °C																			
RANGE °C		5 °C			6 °C		7 °C			8 °C			9 °C		10 °C				11 °C		
°C	MODEL	38	37	36	38	37	40	39	38	41	40	39	41	40	45	43	42	41	44	43	42
°C	MODEL	33	32	31	32	31	33	32	31	33	32	31	32	31	35	33	32	31	33	32	31
CMB 5	5	67	55	43	48	38	51	42	34	44	38	30	35	29	52	38	32		36	30	
CMB 8	8	107	90	70	77	62	82	69	56	75	64	51	59	49	85	65	54	44	60	51	39
CMB 10	10	137	112	87	96	76	102	86	68	93	78	62	73	60	105	77	65	51	72	62	47
CMB 15	15	204	170	130	144	116	155	130	104	140	118	95	109	90	160	122	100	82	110	95	78
CMB 20	20	270	255	175	193	153	205	172	137	188	155	123	142	115	210	158	130	128	145	122	97
CMB 25	25	338	283	223	244	195	260	219	175	239	200	159	184	150	270	204	170	149	188	159	145
CMB 30	30	405	340	270	295	236	315	265	213	290	245	195	225	185	330	250	210	170	230	195	165
CMB 40	40	540	450	365	400	326	425	360	295	385	335	275	305	255	440	340	290	240	320	275	230
CMB 50	50	670	570	460	505	420	540	460	380	505	430	355	395	333	570	440	380	320	410	360	305
CMB 60	60	820	700	560	610	510	660	560	465	600	520	430	480	405	690	535	460	380	500	430	370
CMB 70	70	930	810	660	720	605	775	665	555	705	620	518	580	488	820	643	550	465	605	520	450
CMB 80	80	1040	920	760	830	700	890	770	645	810	720	605	680	570	950	750	640	550	710	610	530
CMB 100	100	1370	1150	935	1020	850	1100	930	770	1020	870	725	810	680	1150	890	760	640	840	750	620
CMB 125	125	1670	1420	1150	1250	1040	1360	1140	950	1240	1070	890	1000	830	1380	1110	940	790	1030	900	760
CMB 150	150	2000	1700	1380	1520	1260	1640	1390	1160	1500	1290	1070	1210	1010	1720	1340	1150	960	1250	1080	930
CMB 175	175	2360	2020	1620	1790	1480	1930	1640	1360	1760	1520	1260	1430	1190	2020	1580	1350	1130	1450	1270	1100
CMB 200	200	2650	2270	1830	2020	1670	2180	1850	1540	2000	1730	1440	1620	1340	2300	1790	1530	1280	1650	1450	1240
CMB 225	225	3000	2500	2030	2200	1800	2350	2000	1670	2180	1860	1540	1745	1450	2480	1900	1630	1370	1750	1550	1300
CMB 250	250	3400	2900	2320	2540	2100	2750	2330	1930	2500	2150	1790	2000	1690	2870	2200	1900	1600	2100	1800	1550
CMB 300	300	4000	3350	2730	2980	2450	3200	2700	2260	2950	2550	2080	2350	1950	3350	2600	2200	1850	2400	2100	1770
CMB 350	350	4700	4000	3250	3550	2950	3850	3250	2720	3550	3000	2540	2820	2360	4050	3150	2700	2250	2950	2550	2200
CMB 400	400	5650	4800	3900	4250	3550	4600	3900	3250	4200	3650	3060	3420	2850	4900	3800	3250	2750	3550	3050	2650
CMB 500	500	6750	5800	4800	5250	4400	5650	4850	4050	5250	4550	4000	4270	3640	6000	4750	4150	3450	4500	3950	3400
CMB 600	600	8100	6900	5650	6150	5100	6600	5700	4700	6150	5250	4400	4950	4170	7000	5450	4700	3950	5100	4450	3800
CMB 700	700	9400	8100	6600	7250	6100	7800	6700	5650	7250	6300	5250	5940	5000	8400	6550	5700	4800	6250	5450	4650
CMB 800	800	10800	9200	7500	8200	6750	8850	7500	6300	8150	7000	5850	6550	5500	9400	7300	6150	5250	6800	5900	5050
CMB 1000	1000	13500	11600	9600	10600	8800	11350	9750	8250	10650	9200	7800	8700	7400	12100	9600	8400	7100	9150	8050	6900
CMB 1250	1250	16700	14000	11400	12900	10400	14000	11800	9650	13200	11250	9520	10550	8850	15500	11850	10000	8350	11450	9800	8200
CMB 1500	1500	20000	16800	13550	15400	12450	16700	14100	11550	15750	13400	11000	12500	10500	18400	14100	11950	9900	13500	11550	9600

UNIT : LPM

AMBIENT WET BULB		29 °C																						
RANGE °C		5 °C			6 °C			7 °C			8 °C			9 °C			10 °C				11 °C			
°C		39	38	37	40	39	38	41	40	39	42	41	40	43	42	41	45	44	43	42	45	44	43	
MODEL		34	33	32	34	33	32	34	33	32	34	33	32	34	33	32	35	34	33	32	34	33	32	
CMB	5	70	57	45	62	49	36	55	43	32	49	39	30	45	36	28	51	42	33	26	38	32	24	
CMB	8	112	90	74	101	80	61	88	69	54	79	63	49	73	59	46	82	69	56	44	64	53	41	
CMB	10	144	117	91	123	99	75	102	80	59	99	78	60	89	74	56	103	85	67	53	78	64	49	
CMB	15	213	170	137	185	148	114	168	134	104	153	122	95	138	114	89	157	131	105	82	122	99	77	
CMB	20	285	230	180	247	198	152	224	178	139	204	162	127	184	152	119	210	174	140	109	162	133	103	
CMB	25	355	290	231	319	257	198	286	227	176	264	211	165	240	198	154	271	227	185	145	211	176	136	
CMB	30	425	350	280	384	322	247	346	282	220	314	255	198	292	240	188	329	280	225	176	257	213	168	
CMB	40	570	465	375	500	425	320	450	370	280	425	345	270	385	315	240	430	370	300	230	350	290	230	
CMB	50	700	590	480	635	520	410	580	480	370	520	430	345	490	410	320	540	470	385	305	450	370	290	
CMB	60	860	720	590	760	635	485	670	550	430	630	510	400	570	470	370	650	550	450	350	530	440	340	
CMB	70	950	840	680	890	740	560	790	640	500	740	590	470	670	555	440	760	650	520	410	590	500	390	
CMB	80	1040	960	770	1020	840	650	900	760	590	855	700	550	790	650	510	885	760	610	480	710	590	460	
CMB	100	1430	1200	975	1270	1060	800	1120	920	720	1060	860	670	960	790	620	1080	920	755	590	880	730	570	
CMB	125	1740	1480	1200	1580	1300	1030	1460	1210	940	1315	1090	850	1240	1030	810	1360	1170	960	750	1130	940	730	
CMB	150	2100	1760	1450	1920	1600	1285	1750	1440	1130	1570	1320	1045	1480	1250	980	1640	1420	1160	920	1350	1120	880	
CMB	175	2480	2090	1720	2210	1830	1455	2020	1680	1310	1830	1530	1200	1750	1460	1150	1890	1640	1340	1060	1580	1310	1030	
CMB	200	2800	2350	1930	2570	2170	1710	2330	1930	1540	2170	1815	1430	2020	1700	1340	2255	1950	1600	1290	1850	1550	1230	
CMB	225	3150	2600	2130	2880	2400	1840	2610	2090	1655	2360	1925	1500	2190	1800	1420	2445	2060	1675	1300	1920	1610	1270	
CMB	250	3600	2990	2450	3170	2650	2020	2810	2310	2000	2650	2150	1690	2400	1980	1550	2710	2310	1880	1480	2210	1840	1440	
CMB	300	4200	3500	2880	3790	3140	2420	3430	2780	2170	3170	2565	2000	2900	2390	1880	3260	2780	2250	1760	2560	2150	1690	
CMB	350	4900	4100	3400	4450	3720	2970	4110	3410	2710	3700	3120	2460	3500	2950	2340	3940	3410	2800	2250	3190	2660	2130	
CMB	400	5900	5000	4100	5060	4140	3280	4660	3860	3030	4200	3510	2800	4000	3340	2630	4340	3775	3080	2430	3660	3030	2400	
CMB	500	7050	6000	5000	6435	5430	4400	5940	5000	4090	5520	4680	3860	5290	4460	3710	5830	5090	4290	3540	4860	4140	3430	
CMB	600	8550	7200	5850	7590	6350	5070	7050	5850	4620	6510	5440	4290	6060	5110	4040	6760	5850	4820	3870	5560	4660	3710	
CMB	700	9850	8400	6950	8950	7630	6100	8250	6970	5690	7750	6430	5320	7340	6180	5070	8160	7090	5890	4860	6760	5730	4660	
CMB	800	11300	9500	7800	10120	8470	6760	9400	7810	6160	8690	7260	5720	8080	6820	5390	9020	7810	6430	5170	7420	6210	4950	
CMB	1000	14100	12000	10000	12870	10890	8850	11990	10060	8190	11160	9510	7920	10670	9130	7590	11710	10230	8690	7260	9840	8360	6930	
CMB	1250	17750	14500	11800	15700	13200	10800	14700	12300	10100	13700	11600	9600	13000	11200	9300	14300	12600	10600	8900	11900	10100	8500	
CMB	1500	20500	17450	14200	18900	16000	13000	17500	14700	12000	16400	13900	11600	15600	13400	11100	17200	15000	12700	10600	14100	12000	9900	

LOCATION :



OFFICE



FACTORY

INSTALLATION FOR COOLING TOWER :

UP SO AIR



OKI CO.,LTD. (THAILAND)



DENSO CO.,LTD. (THAILAND)



GOOD YEAR (THAILAND)

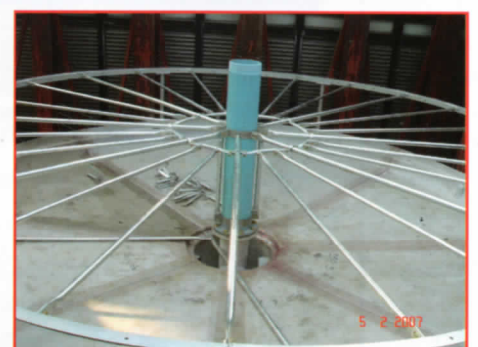
PRODUCT FOR COOLING TOWER :



MOTER DIRECT DRIVE
(LOW SPEED)



PVC. FILLING



FRAME WORK
(HOT DIP GALVANIZED)

The Leading Edge in Cost, Performance and Durability



CMS-500 X 2 SETS
HONDA MANUFACTURING (THAILAND)



CMS-500 X 2 SETS
GOOD YEAR (THAILAND)



CMS-1500 X 6 SETS
CMS-1000 X 4 SETS
TUNTEX-TEXTILE (CHINA)



CMS-400M (C2) X 4 SETS
COLGATE-PALMOLIVE (THAILAND)



CMS-700 M X 3 SETS
BIG-C SUPERCENTER (RAMA-2)



CMS-500 X 3 SETS
AIA TOWER



CLOSED TYPE-100 X 1 SET
KHONKAEN GLASS INDUSTRY CO.,LTD.



CMS-200 X 3 SETS
BOON RAWD BREWERY



CMS-600S X 2 SETS (INTERNAL PIPING)
SRIJULSUP TOWER



CLOSED TYPE-30 X 1 SET, 60 X 1 SET
OKI (THAILAND)



CMS-125 X 1 SET, 500 X 1 SET
NIPPON DENSO CO.,LTD.



CMS-1500S X 2 SETS, 600 S X 1 SET
MAJOR ESPLANADE-RATTANATIBETH



CMS-350M X 5 SETS (INTERNAL PIPING)
CARREFOUR (INDONESIA)



CMS-350 M X 7 SETS, CMB-125 X 2 SETS
HANA MICROELECTRONICS (LAMPHUN)



CMS-1050M X 1 SET
T.U. PLASTIC INDUSTRY (PAKISTAN)



COOLING MAN INDUSTRIAL CO., LTD.

COOLING TOWERS MAN-MADE ONLY®

April 2010