

GENIUS

The Ultimate Cooling Machine

MT SERIES COUNTERFLOW COOLING TOWER



Certificate No.KLR 6037239

MT SERIES



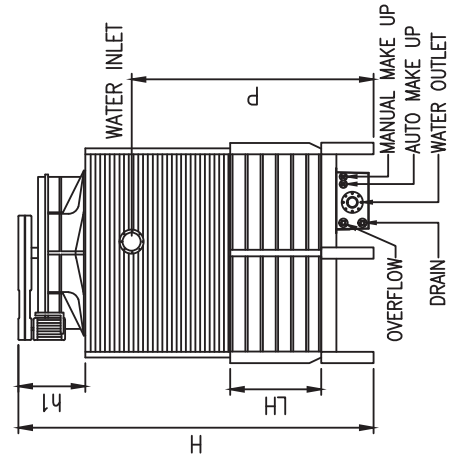
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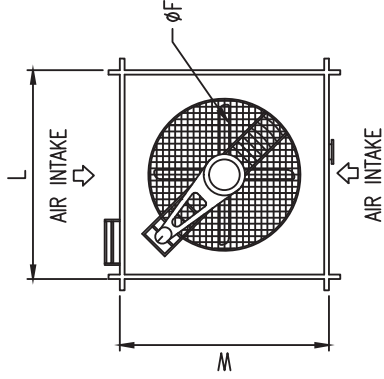
CERTIFIED PERFORMANCE

• DURABLE • ENERGY & SPACE SAVING

2 SIDES AIR INTAKE

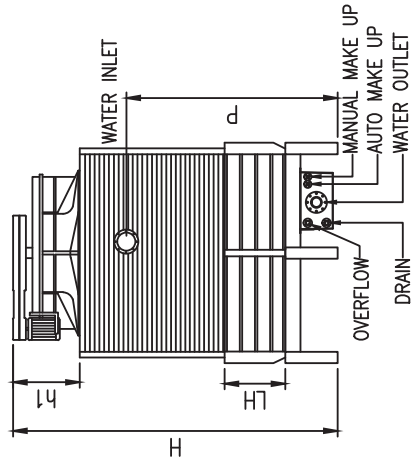


FRONT VIEW

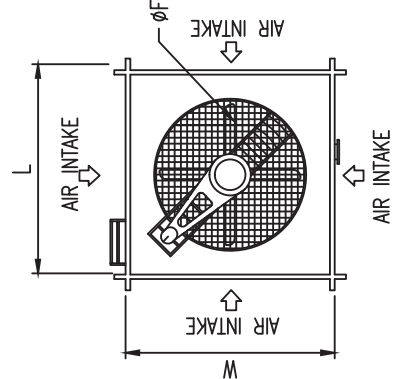


PLAN VIEW

4 SIDES AIR INTAKE

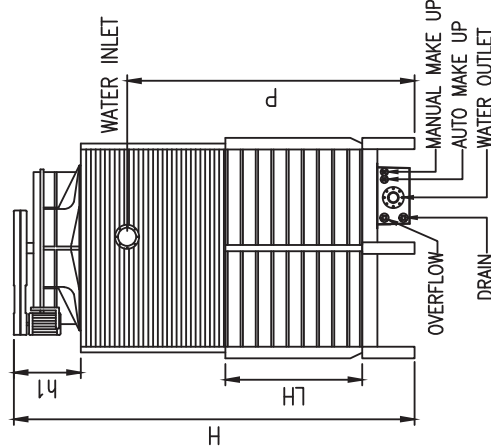


FRONT VIEW

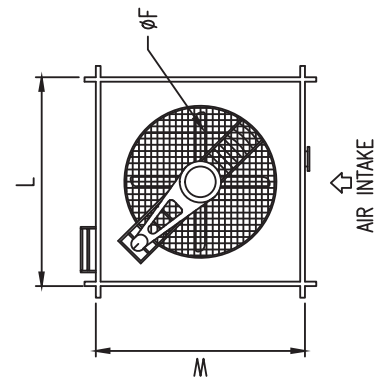


PLAN VIEW

1 SIDE AIR INTAKE

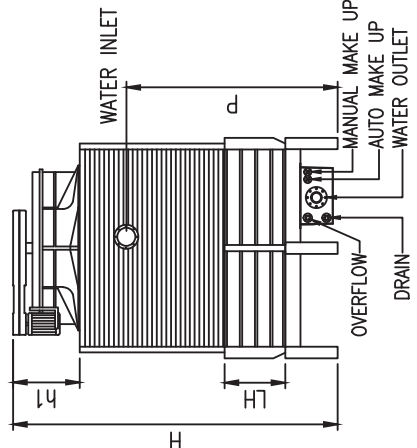


FRONT VIEW

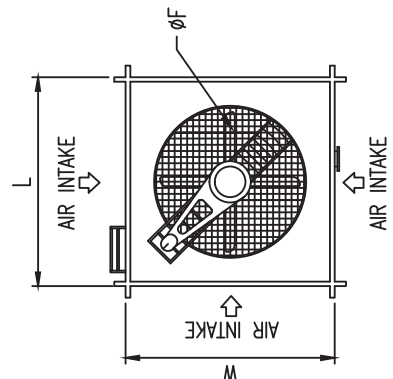


PLAN VIEW

3 SIDES AIR INTAKE



FRONT VIEW



PLAN VIEW

MT Series Quick Selection Table

The diagrams below shows the common combinations of various cold water, hot water and wet bulb temperature. However, if there is a difference in temperature combination, please contact the company for a selection of the cooling tower by our computer software.

Deg F	In	95	95	95.0	98.6	95	97	98	98.6	97	100	98.6	100	100
	Out	85.1	85.1	85.1	89.6	86	87	88	89.6	87	90	89.6	90	90
	WB	80.6	81.5	81.9	80.6	81	81	82	81.5	82	82	82.4	83	84

Deg C	In	35	35	35.0	37	35	36.11	36.67	37	36.11	37.78	37	37.78	37.78
	Out	29.5	29.5	29.5	32	30	30.56	31.11	32	30.56	32.22	32	32.22	32.22
	WB	27	27.5	27.7	27	27.22	27.22	27.78	27.5	27.78	27.78	28	28.33	28.89

MODEL	MOTOR kW	FLOWRATE (m3/hr)												
		41.54	36.61	34.55	75.51	47.71	51.60	52.95	70.59	46.38	66.13	65.48	61.16	55.63
MT2121A-1B	2.2	41.54	36.61	34.55	75.51	47.71	51.60	52.95	70.59	46.38	66.13	65.48	61.16	55.63
MT2121B-1B	3.7	49.71	43.82	41.40	90.88	57.67	61.83	63.44	85.12	55.52	79.16	79.05	73.05	66.40
MT2121C-1B	5.5	57.72	50.78	47.90	103.81	66.20	71.71	73.15	97.24	64.32	90.91	90.36	84.21	76.52
MT2121D-1B	7.5	64.06	56.52	53.43	115.38	73.99	79.76	81.67	108.17	71.69	101.46	100.64	93.99	85.53
MT2727B-1B	3.7	68.06	59.83	56.43	124.56	78.71	85.04	86.51	116.49	76.28	108.24	107.94	99.99	90.91
MT2727C-1B	5.5	78.41	69.00	65.10	142.41	90.42	97.66	99.34	133.56	87.64	124.06	124.22	114.65	104.37
MT2727D-1B	7.5	87.42	76.82	72.45	158.27	100.85	109.16	110.92	148.38	97.84	138.21	138.01	127.65	116.03
MT'2727E-1B	11	100.43	88.69	83.80	180.55	115.21	124.82	126.86	168.98	112.41	157.73	156.93	145.98	132.92
MT3131B-1B	3.7	86.53	76.90	72.96	154.60	98.84	106.83	108.33	141.87	96.50	133.49	135.47	124.43	113.95
MT3131C-1B	5.5	99.20	88.21	83.74	176.20	113.26	122.18	124.17	162.17	110.27	152.72	154.98	141.85	129.54
MT3131D-1B	7.5	110.30	98.23	93.24	195.40	126.19	135.39	137.96	180.37	122.52	169.86	171.66	157.99	144.49
MT3131E-1B	11	126.46	112.84	107.21	221.30	144.94	155.23	158.90	207.44	140.74	195.00	194.43	182.06	166.77
MT3333C-1B	5.5	116.00	103.47	98.33	203.33	132.62	142.25	144.99	190.00	128.80	177.89	178.63	165.59	151.81
MT3333D-1B	7.5	128.68	114.60	108.78	224.78	146.79	157.72	161.18	210.39	142.72	197.76	197.49	184.28	168.24
MT3333E-1B	11	145.79	130.36	124.02	254.38	166.30	178.47	182.20	237.74	161.91	214.14	224.71	208.02	190.99
MT3333F-1B	15	162.90	145.64	138.61	280.76	186.02	199.01	202.81	263.21	180.37	247.37	248.29	230.82	211.74
MT3535C-1B	5.5	125.83	111.96	106.26	221.31	143.55	154.90	157.95	205.73	140.06	194.27	194.43	181.11	165.82
MT3535D-1B	7.5	140.40	124.97	118.61	244.54	159.56	172.19	175.59	228.82	155.70	215.32	215.14	200.74	183.71
MT3535E-1B	11	159.74	142.27	135.09	276.42	181.77	195.40	198.91	258.93	176.68	243.51	243.64	227.02	207.70
MT3535F-1B	15	176.85	157.86	150.01	305.94	201.63	216.28	221.29	283.64	196.03	270.32	270.10	252.67	231.37
MT3939C-1B	5.5	148.00	132.81	126.54	253.35	168.16	179.90	183.99	237.61	163.67	224.10	223.84	209.29	192.25
MT3939D-1B	7.5	163.22	147.36	140.89	280.61	185.95	198.98	204.18	262.59	181.91	238.32	248.42	232.72	214.69
MT3939E-1B	11	186.35	167.59	159.84	317.42	211.23	225.88	231.43	297.45	205.90	280.82	281.64	263.43	242.42
MT3939F-1B	15	206.00	185.94	177.60	348.25	233.94	248.91	255.37	327.65	227.65	309.36	309.68	290.66	268.20
MT3939G-1B	18.5	221.21	199.06	189.95	374.41	250.01	267.36	273.34	350.03	243.66	331.20	332.83	310.29	285.25
MT4343C-1B	5.5	163.54	146.57	139.56	284.26	186.72	199.49	204.48	264.81	181.39	249.92	251.22	233.67	214.42
MT4343D-1B	7.5	182.23	163.51	155.71	313.37	206.54	221.43	227.00	292.45	201.63	276.82	276.74	259.31	238.10
MT4343E-1B	11	207.27	186.45	177.94	355.06	235.78	251.49	257.19	332.15	229.11	313.08	314.95	292.56	268.99
MT4343F-1B	15	229.14	205.92	196.32	391.65	260.78	278.29	284.50	366.86	253.57	345.90	347.51	324.22	298.23
MT4343G-1B	18.5	254.52	229.25	218.50	419.15	281.99	304.01	310.14	396.15	277.70	374.63	372.12	350.96	322.59
MT4848D-1B	7.5	201.23	183.56	175.70	353.55	234.73	241.89	250.49	330.91	224.35	306.71	308.41	288.73	268.96
MT4848E-1B	11	234.84	211.40	201.73	401.67	266.17	285.26	291.65	376.31	260.22	355.65	350.61	332.45	306.19
MT4848F-1B	15	261.46	235.13	224.25	446.31	296.41	317.90	324.67	418.90	289.84	394.83	395.16	370.13	340.91
MT4848G-1B	18.5	286.17	260.12	249.00	479.64	323.36	344.90	354.33	451.24	317.95	428.57	425.07	404.94	376.01
MT4848H-1B	22	300.24	269.38	256.70	506.45	340.11	364.23	372.17	478.59	331.15	452.12	449.45	423.28	388.44
MT5151D-1B	7.5	225.02	201.38	191.57	389.05	256.12	275.01	280.81	363.99	249.88	342.83	344.30	321.05	295.08
MT5151E-1B	11	256.71	229.69	218.50	440.71	291.51	312.92	319.45	412.35	284.15	389.39	389.84	364.75	335.02
MT5151F-1B	15	284.92	255.43	243.25	486.88	323.21	346.72	353.78	456.21	315.25	430.45	430.94	403.06	370.54
MT5151G-1B	18.5	305.52	273.81	260.68	521.52	346.35	371.72	379.29	488.66	337.97	461.44	462.40	432.51	397.49
MT5151H-1B	22	324.21	290.73	276.83	552.30	366.28	393.59	401.70	516.00	358.03	487.81	489.77	457.52	420.53
MT5151I-1B	30	358.75	322.78	307.94	609.44	407.29	434.54	443.59	570.83	396.11	537.62	542.47	504.07	464.28

MT Series Quick Selection Table

The diagrams below shows the common combinations of various cold water, hot water and wet bulb temperature. However, if there is a difference in temperature combination, please contact the company for a selection of the cooling tower by our computer software.

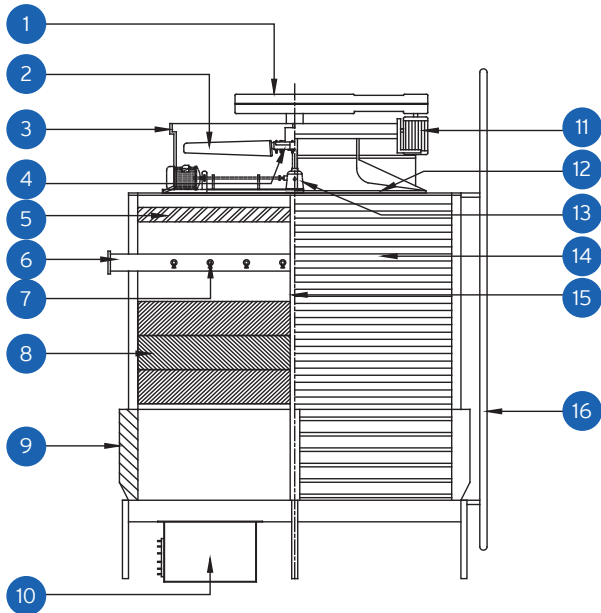
Deg F	In	95	95	95.00	98.6	95	97	98	98.6	97	100	98.6	100	100
	Out	85.1	85.1	85.10	89.6	86	87	88	89.6	87	90	89.6	90	90
	WB	80.6	81.5	81.86	80.6	81	81	82	81.5	82	82	82.4	83	84

Deg C	In	35	35	35.00	37	35	36.11	36.67	37	36.11	37.78	37	37.78	37.78
	Out	29.5	29.5	29.50	32	30	30.56	31.11	32	30.56	32.22	32	32.22	32.22
	WB	27	27.5	27.70	27	27.22	27.22	27.78	27.5	27.78	27.78	28	28.33	28.89

MODEL	MOTOR kW	FLOWRATE (m3/hr)												
		270.98	242.58	230.90	469.88	308.42	330.74	337.68	438.61	300.33	412.27	415.10	385.33	354.05
MT5454E-1B	11	270.98	242.58	230.90	469.88	308.42	330.74	337.68	438.61	300.33	412.27	415.10	385.33	354.05
MT5454F-1B	15	301.40	269.90	256.88	519.16	342.41	367.15	374.68	484.18	333.55	456.64	459.20	427.12	392.35
MT5454G-1B	18.5	323.26	290.21	276.55	555.54	367.01	392.70	401.22	519.17	357.47	488.57	491.62	456.89	420.08
MT5454H-1B	22	342.92	307.11	292.41	587.41	388.88	417.69	425.98	548.75	379.30	518.50	520.12	485.07	445.24
MT5454I-1B	30	381.26	342.10	325.99	648.86	431.69	462.32	471.37	607.13	420.40	572.36	576.00	535.42	492.07
MT5454J-1B	37	407.25	365.91	348.84	692.55	461.64	493.76	504.03	648.72	449.67	611.53	616.20	573.41	527.61
MT5757E-1B	11	285.55	255.63	243.25	495.68	324.15	348.18	355.44	460.68	316.32	434.53	436.84	405.59	372.59
MT5757F-1B	15	316.30	283.47	269.90	549.11	360.47	385.35	393.60	511.99	350.38	480.65	484.83	448.97	412.72
MT5757G-1B	18.5	339.75	304.46	289.89	587.63	386.07	414.40	423.45	548.02	376.73	516.49	519.12	483.17	444.14
MT5757H-1B	22	361.61	324.08	308.56	621.39	410.47	439.71	448.88	580.94	399.71	546.64	549.61	511.35	469.82
MT5757I-1B	30	399.01	357.86	340.96	687.28	455.33	485.88	496.26	642.63	441.79	604.44	608.49	565.17	519.59
MT5757J-1B	37	430.38	386.36	368.17	734.11	487.53	521.98	532.77	686.92	475.01	647.29	651.57	606.02	556.98
MT6060F-1B	15	343.55	307.78	293.03	586.02	390.11	417.99	426.51	552.53	379.79	520.13	551.38	485.70	446.15
MT6060G-1B	18.5	368.90	330.69	314.93	636.10	417.71	449.02	458.53	592.87	408.21	558.89	562.38	522.43	480.14
MT6060H-1B	22	390.45	349.98	333.31	673.30	444.55	474.82	484.60	628.38	431.53	590.92	594.91	551.56	506.73
MT6060I-1B	30	438.02	393.52	375.25	743.44	497.49	531.96	543.76	701.85	484.24	661.19	658.41	618.03	568.33
MT6060J-1B	37	469.39	420.84	400.95	795.49	532.23	571.09	583.00	751.47	518.93	708.70	705.50	663.03	609.09
MT6060K-1B	45	500.41	449.05	428.00	846.86	568.89	608.48	621.57	800.39	553.32	754.97	751.77	706.91	649.61
MT6666G-1B	18.5	415.01	371.22	353.20	712.59	472.51	506.32	517.33	671.88	459.44	631.71	629.16	589.59	540.78
MT6666H-1B	22	440.37	393.74	374.55	755.08	500.82	537.02	548.23	711.80	487.11	669.49	666.42	624.70	572.91
MT6666I-1B	30	487.74	436.38	415.30	835.70	556.04	594.88	607.48	788.06	539.78	740.82	738.20	692.02	634.93
MT6666J-1B	37	522.44	467.78	445.35	893.57	596.25	636.73	650.83	843.37	578.11	793.72	790.86	741.02	679.95
MT6666K-1B	45	559.79	501.36	477.35	952.04	635.34	680.60	694.52	899.02	617.98	845.77	843.59	789.90	724.99
MT6666L-1B	55	598.16	536.17	510.80	1014.37	679.61	728.32	743.93	957.76	661.66	904.57	898.34	846.34	777.34
MT7171G-1B	18.5	441.38	393.79	374.25	764.63	504.00	540.56	552.11	720.36	489.52	676.21	673.92	630.36	577.50
MT7171H-1B	22	468.40	418.21	397.60	807.79	534.06	572.53	584.43	760.78	518.72	715.02	711.52	666.58	610.91
MT7171I-1B	30	520.11	464.52	441.65	893.38	591.13	635.14	648.49	841.63	575.63	792.39	787.30	739.57	677.85
MT7171J-1B	37	558.13	498.99	474.70	956.37	634.42	680.64	694.68	901.22	617.24	848.22	843.33	791.45	725.85
MT7171K-1B	45	594.83	531.91	506.10	1018.49	677.62	725.72	740.89	960.57	658.18	904.21	899.98	844.11	774.27
MT7171L-1B	55	637.20	569.81	542.15	1089.67	726.26	777.32	793.73	1028.15	705.03	967.73	963.66	904.44	829.59
MT7676G-1B	18.5	471.40	420.52	399.60	817.38	537.85	576.81	589.06	768.83	522.31	722.31	717.79	672.36	615.81
MT7676H-1B	22	497.08	445.04	423.65	855.45	565.94	605.99	619.08	804.92	550.23	757.14	751.89	705.35	647.50
MT7676I-1B	30	552.45	495.25	471.70	947.28	628.05	671.87	686.41	892.06	610.67	838.29	834.17	781.34	717.71
MT7676J-1B	37	592.82	531.56	506.45	1014.32	674.31	721.36	736.60	955.30	655.57	898.82	893.43	838.11	770.13
MT7676K-1B	45	633.85	569.08	542.50	1083.38	720.70	770.03	786.66	1020.77	700.55	959.22	955.08	894.55	822.54
MT7676L-1B	55	677.56	608.30	579.90	1156.23	771.31	823.39	841.35	1090.00	749.08	1025.28	1020.55	956.88	879.85

MODEL DEFINITION FOR MT4848E4-1BI

MT	4848	E	4	1	B	I
COUNTER FLOW TYPE	BOX SIZE	MOTOR SIZE	NO. OF SIDES	NO. OF CELLS	B-BELT & PULLEY G-GEAR REDUCER	I-INTERNAL PIPING M-MODIFICATION(NON CTI) S-SUPER LOW NOISE



ITEM	DESCRIPTION	MATERIALS / SPECIFICATIONS
1	DRIVE SYSTEM	RIGHT ANGLE / HELICAL TYPE / V-BELT AND PULLEY
2	FAN BLADE	FRP/CAST ALUMINUM ALLOY
3	FAN STACK	FRP
4	FAN HUB	CAST ALUMINIUM ALLOY
5	DRIFT ELIMINATOR	PVC
6	DISTRIBUTION PIPE	PVC
7	NON CLOG SPRAY NOZZLE	POLYPROPYLENE
8	HIGH PERFORMANT FILM FILL PACK	PVC
9	LOUVER	FRP
10	COLD WATER BASIN SUMP	FRP
11	MOTOR	IE 1,2,3 / 3 PHASE / 4 POLES / 415V / 50hz
12	SAFETY MAINTENANCE SYSTEM	FRP
13	GEAR REDUCER SYSTEM	OPTIONAL
14	CASING	FRP
15	MAIN FRAME STRUCTURE	HOT DEEP GALVANISED STEEL
16	LADDER	HOT DEEP GALVANISED STEEL

Tower Construction

Tower casing body is made out of F.R.P. (Fiberglass Reinforced Plastics) which is corrosion free, very durable and yet light. Furthermore the body is coated with a special epoxy consist of anti-ultraviolet agent making the tower body more resistant to UV sunlight. The tower main structure frame is using steel which has undergo hot dipped galvanization (HDG) process to prevent rust.

Cold Water Basin

The cold water basin is constructed from F.R.P. (Fiberglass Reinforced Plastics) which is corrosion free and is supported by HDG steel frame underneath. The cold water basin is also slopping basin to ensure the dirt and sediments trapped inside the basin is being diverted towards the depressed sump in the centre of basin.

The depressed sump will prevent air lock from occurring during the tower operation. The sump is also supplied with suction strainer, makeup water ball valve, overflow and drain connection.

Optional

There is a high quality special mat above the cold water basin that will absorb most of the water drop noise.

Mechanical drive system

Fans are of axial type designed to deliver air performance at low noise level. Fan blades material shall be FRP as standard and aluminium alloy as optional. . All fan blades are factory balanced before shipped out. The fan is operating inside a fan stack enclosure to streamline the air entry while maintaining maximum fan efficiency.

The V belt drive system which connects the cast iron pulleys at the motor and fan is contained inside FRP belt cover. This is to ensure that the belts are protected from moist discharge air. Optional aluminium alloy pulleys are available.

The motor is of TEFC weather proof squirrel cage for 3 phase 415 V / 50 Hz power supply.

The motor shall be located outside the discharge air stream below the belt cover to prolong the motor life and ease of maintenance and access.

The fan bearing has a lubrication delivery system from external point outside the fan stack to the fan bearing to allow grease top up to be carried even when the fan is in operation.

Fills

The film type cellular fill is made of air vacuum forming Ultra Violet (UV) Light resistant PVC sheets which have corrugated surface. The surface has been specially designed to spread the water droplet from hot water basin evenly. The fills are bonded into modular blocks and install in the tower as per design.

The specially designed PVC drift eliminator can reduce the water loss due to carry over within 0.005% with very little air pressure drop.

Water distribution system

All nozzles are designed to be with special orifice to avoid getting clogged easily. Moreover the nozzles are located inside the tower therefore it is not expose to dirt and environmental pollution.



HITACHI BANGI



SUBANG PARADE



HOLIDAY INN JOHOR



AEON MELAKA



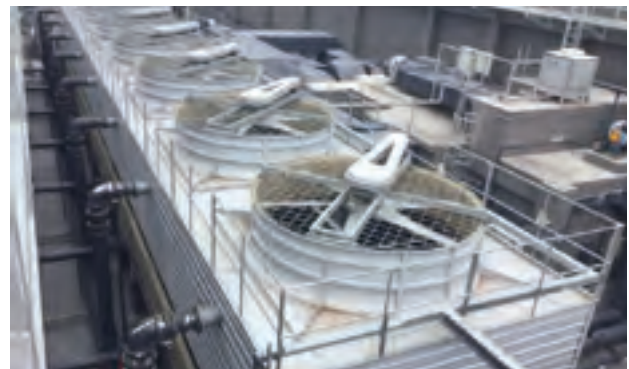
WISMA PERSEKUTUAN NEGERI TERENGGANU



LAMAN PKNS



KOMPLEKS INSTITUT PENYELIDIKAN KESIHATAN BERSEPADU (IPKB), SETIA ALAM



PHILIPS, SINGAPORE

1. Evaporating Loss (E) kg/h

The evaporating quantity may be calculated by the equation below:

$$E = \frac{Q}{600} = \frac{(T1-T2) \times WF \times C}{600}$$

Where WE	: Evaporating Quantity	kg/h
Q	: Heat of Cooling	Kcal/h
600	: Latent Heat of Water	Kcal/kg °C
T1	: Intake Water Temperature	°C
T2	: Discharge water Temperature	°C
WF	: Circulating Water Flow	kg/h
C	: Specific Heat of Water	1 Kcal/kg °C

2. Drift Loss (D) kg/h

The drift loss (D) depend on the type of cooling tower and drift eliminators used. Due to the air flow at a certain speed created by the fan, some water droplets are carried away with the air, this is called carry-over loss.

There are many factors affecting the figure and this generally at a low level, approximately 0.005% of the normal circulating water quantity.

3. Blowdown Quantity (B) kg/h

The blow-down (B) can be carried out in any of the following methods

- (1) The drain valve is kept slightly open during the run.
- (2) Maintain the operating water level higher to create slight overflow
- (3) The whole basin water is replenished with fresh water during shut down for cleaning

The required level of blowdown varies depending on the water quantity or the extent of concentrations, but is generally believed to be about 0.2% to 0.4 % for air conditioning applications.

4. Replenishing Water Flow rate (R) kg/h

$$R = E + D + B$$

Eg: Evaporation loss : E = 0.98%
 Drift loss : D = 0.005%
 Blow-down : B = 0.4%

Therefore, the make-up water required is approximately
 = 0.98% + 0.005% + 0.4%
 = 1.385%

Hence, considering safety margin, a make up of 2% of the circulating water flow rate is sufficient.



SINGLE SIDE AIR ENTRY



MODEL	TOWER DIMENSION (mm)					MOTOR		AXIAL FAN DETAILS		PIPING INFORMATION (mm)							WEIGHT (KG)	
	L	W	h	H	P	kW	F (mm)	NO OF BLADE	MATERIAL	INLET	OUTLET	DRAIN	OVER FLOW	MAKE UP AUTO	MAKE UP MANUAL	DRY WEIGHT	OPERATING WEIGHT	
2121A1	2150	2150	4045	4970	3585	2.2				100 X 1	100 X 1	50 X 1	50 X 1	25 X 1	25 X 1	1124	2994	
2121B1	2150	2150	4070	4995	3598	3.7	1700	6	FRP	100 X 1	100 X 1	50 X 1	50 X 1	25 X 1	25 X 1	1130	3000	
2121C1	2150	2150	4070	4995	3598	5.5				125 X 1	125 X 1	50 X 1	50 X 1	25 X 1	25 X 1	1155	3025	
2121D1	2150	2150	4070	4995	3598	7.5				125 X 1	125 X 1	50 X 1	50 X 1	25 X 1	25 X 1	1164	3034	
2727B1	2750	2750	4395	5275	3798	3.7				125 X 1	125 X 1	50 X 1	50 X 1	25 X 1	25 X 1	1580	3900	
2727C1	2750	2750	4420	5300	3810	5.5	2000	6	FRP	150 X 1	150 X 1	50 X 1	50 X 1	25 X 1	25 X 1	1650	3925	
2727D1	2750	2750	4420	5300	3810	7.5				150 X 1	150 X 1	50 X 1	50 X 1	25 X 1	25 X 1	1660	3935	
2727E1	2750	2750	4470	5350	3835	11				200 X 1	200 X 1	50 X 1	50 X 1	32 X 1	32 X 1	1710	3985	
3131B1	3150	3150	4720	5780	4110	3.7				150 X 1	150 X 1	50 X 1	50 X 1	25 X 1	25 X 1	2130	4940	
3131C1	3150	3150	4770	5830	4135	5.5	2180	6	FRP	200 X 1	200 X 1	50 X 1	50 X 1	32 X 1	32 X 1	2155	4965	
3131D1	3150	3150	4770	5830	4135	7.5				200 X 1	200 X 1	50 X 1	50 X 1	32 X 1	32 X 1	2165	4975	
3131E1	3150	3150	4770	5830	4135	11				200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	2215	5025	
3333C1	3350	3350	5270	6590	4635	5.5				200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	2720	5730	
3333D1	3350	3350	5270	6590	4635	7.5	2750	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	2730	5740	
3333E1	3350	3350	5270	6590	4635	11				200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	2780	5790	
3333F1	3350	3350	5270	6590	4635	15				200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	2805	5815	
3535C1	3550	3550	5320	6615	4635	5.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2855	6230	
3535D1	3550	3550	5320	6615	4635	7.5	3050	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2895	6240	
3535E1	3550	3550	5320	6615	4635	11				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2945	6290	
3535F1	3550	3550	5320	6615	4635	15				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2970	6315	
3939C1	3950	3950	5620	6915	4935	5.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2990	6730	
3939D1	3950	3950	5620	6915	4935	7.5	3050	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2995	6735	
3939E1	3950	3950	5620	6915	4935	11				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3050	6790	
3939F1	3950	3950	5620	6915	4935	15				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3070	6810	
3939G1	3950	3950	5620	6955	4935	18.5	3350			200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3100	6840	
4343C1	4350	4350	5620	6915	4935	5.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4030	8825	
4343D1	4350	4350	5620	6915	4935	7.5	3050	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4040	8835	
4343E1	4350	4350	5620	6915	4935	11				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4090	8885	
4343F1	4350	4350	5670	6965	4960	15				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4115	8910	
4343G1	4350	4350	5670	7005	4960	18.5	3350			250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4145	8940	
4848D1	4800	4800	5770	7105	4935	7.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4835	11950	
4848E1	4800	4800	5820	7155	4960	11				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4885	12005	
4848F1	4800	4800	5820	7155	4960	15	3350	4	ALUMINIUM	250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4905	12025	
4848G1	4800	4800	5820	7155	4960	18.5				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4940	12060	
4848H1	4800	4800	5820	7155	4960	22				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4960	12080	
5151D1	5100	5100	5820	7170	4960	7.5				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6005	13635	
5151E1	5100	5100	5820	7170	4960	11	3650	4	ALUMINIUM	250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6060	13690	
5151F1	5100	5100	5820	7170	4960	15				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6080	13710	
5151G1	5100	5100	5820	7170	4960	18.5				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6110	13740	
5151H1	5100	5100	5820	7170	4960	22	3800			250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6135	13765	
5151I1	5100	5100	5820	7170	4960	30				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6220	13850	

MODEL	TOWER DIMENSION (mm)					MOTOR	AXIAL FAN DETAILS			PIPING INFORMATION (mm)						WEIGHT (KG)		
	MT	L	W	h	H		P	kW	F (mm)	NO OF BLADE	MATERIAL	INLET	OUTLET	DRAIN	OVER FLOW	AUTO	MANUAL	DRY WEIGHT
5454E1	5400	5400	5820	7170	4960	4960	11				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	7010	15800
5454F1	5400	5400	5820	7170	4960	4960	15				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	7035	15825
5454G1	5400	5400	5820	7170	4960	4960	18.5	4000	4	ALUMINIUM	250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	7065	15855
5454H1	5400	5400	5820	7170	4960	4960	22				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	7090	15880
5454I1	5400	5400	5870	7220	4985	4985	30				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	7175	15970
5454J1	5400	5400	5870	7220	4985	4985	37				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	7230	16020
5757E1	5700	5700	5820	7170	4960	4960	11				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	7890	20480
5757F1	5700	5700	5820	7170	4960	4960	15				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	7910	20500
5757G1	5700	5700	5820	7170	4960	4960	18.5	4000	4	ALUMINIUM	250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	7940	20530
5757H1	5700	5700	5870	7220	4985	4985	22				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	7965	20555
5757I1	5700	5700	5870	7220	4985	4985	30				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	8050	20640
5757J1	5700	5700	5870	7220	4985	4985	37				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	8105	20695
6060F1	6000	6000	5820	7170	4960	4960	15				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	8995	21685
6060G1	6000	6000	5870	7220	4985	4985	18.5				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	9025	21715
6060H1	6000	6000	5870	7220	4985	4985	22	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	9050	21740
6060I1	6000	6000	5870	7220	4985	4985	30				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	9135	21825
6060J1	6000	6000	5870	7220	4985	4985	37				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	9190	21880
6060K1	6000	6000	5870	7220	4985	4985	45				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	9210	21900
6666G1	6600	6600	6220	7570	4985	4985	18.5				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	11760	26160
6666H1	6600	6600	6220	7570	4985	4985	22				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	11785	26185
6666I1	6600	6600	6220	7570	4985	4985	30	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	11870	26270
6666J1	6600	6600	6220	7570	4985	4985	37				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	11925	26325
6666K1	6600	6600	6220	7570	4985	4985	45				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	11950	26350
6666L1	6600	6600	6270	7620	5010	5010	55				350 X1	350 X1	50 X1	80 X1	50 X1	50 X1	12080	26475
7171G1	7100	7100	6220	7570	4985	4985	18.5				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	14375	30505
7171H1	7100	7100	6220	7570	4985	4985	22				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	14395	30530
7171I1	7100	7100	6220	7570	4985	4985	30	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	14485	30615
7171J1	7100	7100	6220	7570	4985	4985	37				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	14535	30670
7171K1	7100	7100	6270	7620	5010	5010	45				350 X1	350 X1	50 X1	80 X1	50 X1	50 X1	14560	30690
7171L1	7100	7100	6270	7620	5010	5010	55				350 X1	350 X1	50 X1	80 X1	50 X1	50 X1	14690	30820
7676G1	7600	7600	6420	7770	5185	5185	18.5				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	15695	32385
7676H1	7600	7600	6420	7770	5185	5185	22				300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	15720	32405
7676I1	7600	7600	6420	7770	5185	5185	30	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	80 X1	50 X1	50 X1	15805	32495
7676J1	7600	7600	6470	7820	5210	5210	37				350 X1	350 X1	50 X1	80 X1	50 X1	50 X1	15860	32550
7676K1	7600	7600	6470	7820	5210	5210	45				350 X1	350 X1	50 X1	80 X1	50 X1	50 X1	15880	32570
7676L1	7600	7600	6470	7820	5210	5210	55				350 X1	350 X1	50 X1	80 X1	50 X1	50 X1	16010	32700

MODEL	TOWER DIMENSION (mm)					MOTOR	AXIAL FAN DETAILS		PIPING INFORMATION (mm)							WEIGHT (KG)			
	MT	L	W	h	H		P	KW	F (mm)	NO OF BLADE	MATERIAL	INLET	OUTLET	DRAIN	OVER FLOW	AUTO	MANUAL	MAKE UP	DRY WEIGHT
2121A2	2150	2150	2150	3445	4370	2985	2.2				100 X 1	100 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1094	2964
2121B2	2150	2150	2150	3470	4395	2998	3.7	1700	6	FRP	100 X 1	100 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1100	2970
2121C2	2150	2150	2150	3470	4395	2998	5.5				125 X 1	125 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1125	2995
2121D2	2150	2150	2150	3470	4395	2998	7.5				125 X 1	125 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1134	2999
2127B2	2750	2750	2750	3795	4675	3198	3.7				125 X 1	125 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1560	3880
2127C2	2750	2750	2750	3820	4700	3210	5.5	2000	6	FRP	150 X 1	150 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1630	3905
2127D2	2750	2750	2750	3820	4700	3210	7.5				150 X 1	150 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1640	3915
2127E2	2750	2750	2750	3870	4750	3235	11				200 X 1	200 X 1	50 X 1	50 X 1	32 X 1	32 X 1	32 X 1	1690	3965
3131B2	3150	3150	3150	4120	5180	3510	3.7				150 X 1	150 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	2110	4920
3131C2	3150	3150	3150	4170	5230	3535	5.5	2180	6	FRP	200 X 1	200 X 1	50 X 1	50 X 1	32 X 1	32 X 1	32 X 1	2135	4945
3131D2	3150	3150	3150	4170	5230	3535	7.5				200 X 1	200 X 1	50 X 1	50 X 1	32 X 1	32 X 1	32 X 1	2145	4955
3131E2	3150	3150	3150	4170	5230	3535	11				200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2195	5005
3333C2	3350	3350	3350	4570	5890	3935	5.5				200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2700	5710
3333D2	3350	3350	3350	4570	5890	3935	7.5	2750	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2710	5720
3333E2	3350	3350	3350	4570	5890	3935	11				200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2760	5770
3333F2	3350	3350	3350	4570	5890	3935	15				200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2785	5795
3535C2	3550	3550	3550	4620	5915	3935	5.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2835	6210
3535D2	3550	3550	3550	4620	5915	3935	7.5	3050	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2875	6220
3535E2	3550	3550	3550	4620	5915	3935	11				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2925	6270
3535F2	3550	3550	3550	4620	5915	3935	15				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2950	6295
3939C2	3950	3950	3950	4920	6215	4235	5.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2970	6710
3939D2	3950	3950	3950	4920	6215	4235	7.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2975	6715
3939E2	3950	3950	3950	4920	6215	4235	11	3050	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3030	6770
3939F2	3950	3950	3950	4920	6215	4235	15				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3050	6790
3939G2	3950	3950	3950	4920	6215	4235	18.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3080	6820
4343C2	4350	4350	4350	4920	6215	4235	5.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4010	8805
4343D2	4350	4350	4350	4920	6215	4235	7.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4020	8815
4343E2	4350	4350	4350	4920	6215	4235	11	3050	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4070	8865
4343F2	4350	4350	4350	4970	6265	4260	15				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4095	8890
4343G2	4350	4350	4350	4970	6265	4260	18.5				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4125	8920
4848D2	4800	4800	4800	5270	6605	4435	7.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4815	11930
4848E2	4800	4800	4800	5320	6655	4460	11				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4865	11985
4848F2	4800	4800	4800	5320	6655	4460	15	3350	4	ALUMINIUM	250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4885	12005
4848G2	4800	4800	4800	5320	6655	4460	18.5				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4920	12040
4848H2	4800	4800	4800	5320	6655	4460	22				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4940	12060
5151D2	5100	5100	5100	5320	6670	4460	7.5				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	5985	13615
5151E2	5100	5100	5100	5320	6670	4460	11				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6040	13670
5151F2	5100	5100	5100	5320	6670	4460	15				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6060	13690
5151G2	5100	5100	5100	5320	6670	4460	18.5	3650	4	ALUMINIUM	250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6090	13720
5151H2	5100	5100	5100	5320	6670	4460	22				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6115	13745
5151I2	5100	5100	5100	5320	6670	4460	30				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6200	13830

MODEL	TOWER DIMENSION (mm)					MOTOR	AXIAL FAN DETAILS			PIPING INFORMATION (mm)						WEIGHT (KG)				
	M T	L	W	h	H		P	kW	F (mm)	NO OF BLADE	MATERIAL	INLET	OUTLET	DRAIN	OVER FLOW	AUTO	MANUAL	DRY WEIGHT	OPERATING WEIGHT	
5454E2	5400	5400	5320	6670	4460	4460	11	3650	4	ALUMINIUM	250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	6990	15780		
5454F2	5400	5400	5320	6670	4460	15	250 X1				250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7015	15805
5454G2	5400	5400	5320	6670	4460	18.5	250 X1				250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7045	15835
5454H2	5400	5400	5320	6670	4460	22	250 X1				250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7070	15860
5454I2	5400	5400	5370	6720	4485	30	3650	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	80 X1	50 X1	50 X1	7155	15950		
5454J2	5400	5400	5370	6720	4485	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	7210	16000
5757E2	5700	5700	5320	6670	4460	11				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7870	20460
5757F2	5700	5700	5320	6670	4460	15				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7890	20480
5757G2	5700	5700	5320	6670	4460	18.5	4000	4	ALUMINIUM	250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7920	20510		
5757H2	5700	5700	5370	6720	4485	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	7945	20535
5757I2	5700	5700	5370	6720	4485	30				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	8030	20620
5757J2	5700	5700	5370	6720	4485	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	8085	20675
6060F2	6000	6000	5320	6670	4460	15	4250	4	ALUMINIUM	250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	8975	21665		
6060G2	6000	6000	5370	6720	4485	18.5				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	9005	21695
6060H2	6000	6000	5370	6720	4485	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	9030	21720
6060I2	6000	6000	5370	6720	4485	30				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	9115	21805
6060J2	6000	6000	5370	6720	4485	37	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	80 X1	50 X1	50 X1	9170	21860		
6060K2	6000	6000	5370	6720	4485	45				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	9190	21880
6666G2	6600	6600	5720	7070	4485	18.5				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	11740	26140
6666H2	6600	6600	5720	7070	4485	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	11765	26165
6666I2	6600	6600	5720	7070	4485	30	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	80 X1	50 X1	50 X1	11850	26250		
6666J2	6600	6600	5720	7070	4485	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	11905	26305
6666K2	6600	6600	5720	7070	4485	45				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	11930	26330
6666L2	6600	6600	5770	7120	4510	55				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	12060	26455
7171G2	7100	7100	5720	7070	4485	18.5	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	80 X1	50 X1	50 X1	14355	30485		
7171H2	7100	7100	5720	7070	4485	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	14375	30510
7171I2	7100	7100	5720	7070	4485	30				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	14465	30595
7171J2	7100	7100	5720	7070	4485	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	14515	30650
7171K2	7100	7100	5770	7120	4510	45	4250	4	ALUMINIUM	350 X1	350 X1	50 X1	50 X1	80 X1	50 X1	50 X1	14540	30670		
7171L2	7100	7100	5770	7120	4510	55				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	14670	30800
7676G2	7600	7600	5720	7070	4485	18.5				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	15675	32365
7676H2	7600	7600	5720	7070	4485	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	15700	32385
7676I2	7600	7600	5720	7070	4485	30	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	80 X1	50 X1	50 X1	15785	32475		
7676J2	7600	7600	5770	7120	4510	37				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	15840	32530
7676K2	7600	7600	5770	7120	4510	45				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	15860	32550
7676L2	7600	7600	5770	7120	4510	55				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	80 X1	50 X1	50 X1	15990	32680



3 SIDES AIR ENTRY



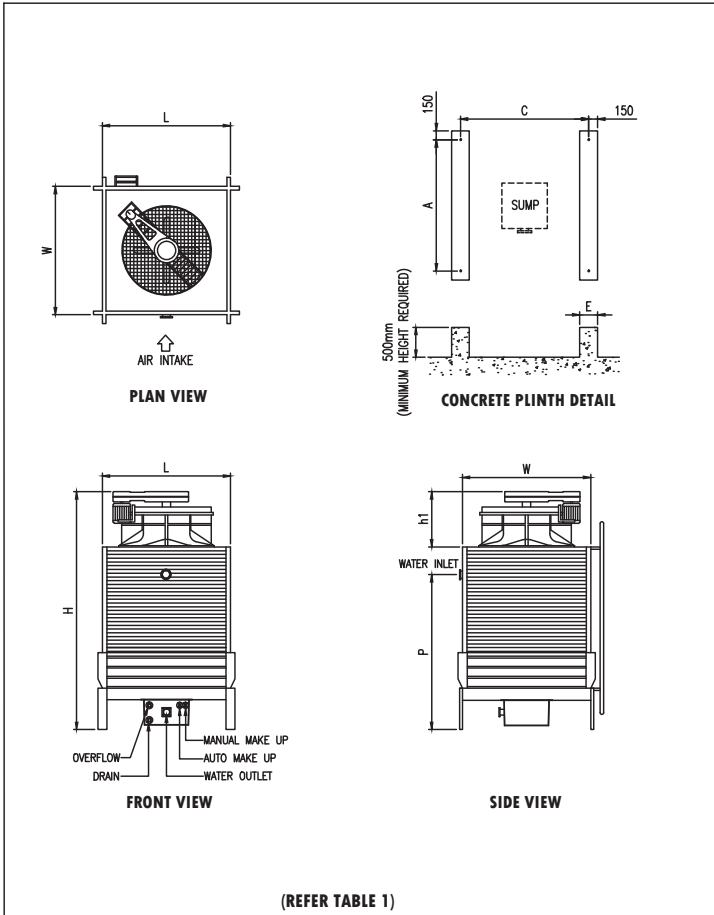
MODEL	TOWER DIMENSION (mm)					MOTOR		AXIAL FAN DETAILS			PIPING INFORMATION (mm)							WEIGHT (KG)	
	MT	L	W	h	H	P	KW	F (mm)	NO OF BLADE	MATERIAL	INLET	OUTLET	DRAIN	OVER FLOW	AUTO	MANUAL	MAKE UP	DRY WEIGHT	OPERATING WEIGHT
2121A3	2150	2150	3045	3970	2585	2.2					100 X 1	100 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1074	2944
2121B3	2150	2150	3070	3995	2598	3.7	1700		6	FRP	100 X 1	100 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1080	2950
2121C3	2150	2150	3070	3995	2598	5.5					125 X 1	125 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1105	2975
2121D3	2150	2150	3070	3995	2598	7.5					125 X 1	125 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1114	2984
2127B3	2750	2750	3395	4275	2798	3.7					125 X 1	125 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1530	3850
2127C3	2750	2750	3420	4300	2810	5.5	2000		6	FRP	150 X 1	150 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1600	3875
2127D3	2750	2750	3420	4300	2810	7.5					150 X 1	150 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1610	3885
2127E3	2750	2750	3470	4350	2835	11					200 X 1	200 X 1	50 X 1	50 X 1	32 X 1	32 X 1	32 X 1	1660	3935
3131B3	3150	3150	3720	4780	3110	3.7					150 X 1	150 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	2080	4890
3131C3	3150	3150	3770	4830	3135	5.5					200 X 1	200 X 1	50 X 1	50 X 1	32 X 1	32 X 1	32 X 1	2105	4915
3131D3	3150	3150	3770	4830	3135	7.5	2180		6	FRP	200 X 1	200 X 1	50 X 1	50 X 1	32 X 1	32 X 1	32 X 1	2115	4925
3131E3	3150	3150	3770	4830	3135	11					200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2165	4975
3333C3	3350	3350	4170	5490	3535	5.5					200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2670	5680
3333D3	3350	3350	4170	5490	3535	7.5	2750		4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2680	5690
3333E3	3350	3350	4170	5490	3535	11					200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2730	5740
3333F3	3350	3350	4170	5490	3535	15					200 X 1	200 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2755	5765
3535C3	3550	3550	4220	5515	3535	5.5					200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2805	6180
3535D3	3550	3550	4220	5515	3535	7.5	3050		4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2845	6190
3535E3	3550	3550	4220	5515	3535	11					200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2895	6240
3535F3	3550	3550	4220	5515	3535	15					200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2920	6265
3939C3	3950	3950	4520	5815	3835	5.5					200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2940	6680
3939D2	3950	3950	4520	5815	3835	7.5					200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2945	6685
3939E3	3950	3950	4520	5815	3835	11	3050		4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3000	6740
3939F3	3950	3950	4520	5815	3835	15					200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3020	6760
3939G3	3950	3950	4520	5815	3835	18.5					200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3050	6790
4343C3	4350	4350	4520	5815	3835	5.5					200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3980	8775
4343D3	4350	4350	4520	5815	3835	7.5					200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3990	8785
4343E3	4350	4350	4520	5815	3835	11	3050		4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4040	8835
4343F3	4350	4350	4570	5865	3860	15					250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4065	8860
4343G3	4350	4350	4570	5865	3860	18.5					250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4095	8890
4848D3	4800	4800	4670	6005	3835	7.5					200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4785	11900
4848E3	4800	4800	4720	6055	3860	11					250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4835	11955
4848F3	4800	4800	4720	6055	3860	15	3350		4	ALUMINIUM	250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4855	11975
4848G3	4800	4800	4720	6055	3860	18.5					250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4890	12010
4848H3	4800	4800	4720	6055	3860	22					250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4910	12030
5151D3	5100	5100	4720	6070	3860	7.5					250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	5955	13585
5151E3	5100	5100	4720	6070	3860	11					250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6030	13640
5151F3	5100	5100	4720	6070	3860	15	3650		4	ALUMINIUM	250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6060	13660
5151G3	5100	5100	4720	6070	3860	18.5					250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6060	13690
5151H3	5100	5100	4720	6070	3860	22					250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6085	13715
5151I3	5100	5100	4720	6070	3860	30					250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6170	13800

MODEL	TOWER DIMENSION (mm)					MOTOR	AXIAL FAN DETAILS			PIPING INFORMATION (mm)						WEIGHT (KG)		
	MT	L	W	h	H		P	kW	F (mm)	NO OF BLADE	MATERIAL	INLET	OUTLET	DRAIN	OVER FLOW	AUTO	MANUAL	DRY WEIGHT
5454E3	5400	5400	4720	6070	3860	11				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	6960	15750
5454F3	5400	5400	4720	6070	3860	15				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	6985	15775
5454G3	5400	5400	4720	6070	3860	18.5	3650	4	ALUMINIUM	250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7015	15805
5454H3	5400	5400	4720	6070	3860	22				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7040	15830
5454I3	5400	5400	4770	6120	3885	30				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7125	15920
5454J3	5400	5400	4770	6120	3885	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7180	15970
5757E3	5700	5700	4720	6070	3860	11				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7840	20430
5757F3	5700	5700	4720	6070	3860	15				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7860	20450
5757G3	5700	5700	4720	6070	3860	18.5	3650	4	ALUMINIUM	250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7890	20480
5757H3	5700	5700	4770	6120	3885	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7915	20505
5757I3	5700	5700	4770	6120	3885	30				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	8000	20590
5757J3	5700	5700	4770	6120	3885	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	8055	20645
6060F3	6000	6000	4720	6070	3860	15				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	8945	21635
6060G3	6000	6000	4770	6120	3885	18.5				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	8975	21665
6060H3	6000	6000	4770	6120	3885	22	4000	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	9000	21690
6060I3	6000	6000	4770	6120	3885	30				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	9085	21775
6060J3	6000	6000	4770	6120	3885	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	9140	21830
6060K3	6000	6000	4770	6120	3885	45				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	9160	21850
6666G3	6600	6600	5120	6470	3885	18.5				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	11710	26110
6666H3	6600	6600	5120	6470	3885	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	11735	26135
6666I3	6600	6600	5120	6470	3885	30	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	11820	26220
6666J3	6600	6600	5120	6470	3885	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	11875	26275
6666K3	6600	6600	5120	6470	3885	45				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	11900	26300
6666L3	6600	6600	5170	6520	3910	55				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	12030	26425
7171G3	7100	7100	5120	6470	3885	18.5				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14325	30455
7171H3	7100	7100	5120	6470	3885	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14345	30480
7171I3	7100	7100	5120	6470	3885	30	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14435	30565
7171J3	7100	7100	5120	6470	3885	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14485	30620
7171K3	7100	7100	5170	6520	3910	45				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14510	30640
7171L3	7100	7100	5170	6520	3910	55				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14640	30770
7676G3	7600	7600	5120	6470	3885	18.5				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15645	32335
7676H3	7600	7600	5120	6470	3885	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15670	32355
7676I3	7600	7600	5120	6470	3885	30	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15755	32445
7676J3	7600	7600	5170	6520	3910	37				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15810	32500
7676K3	7600	7600	5170	6520	3910	45				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15830	32520
7676L3	7600	7600	5170	6520	3910	55				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15960	32650

MODEL	TOWER DIMENSION (mm)					MOTOR		AXIAL FAN DETAILS			PIPING INFORMATION (mm)							WEIGHT (KG)	
	MT	L	W	h	H	P	KW	F (mm)	NO OF BLADE	MATERIAL	INLET	OUTLET	DRAIN	OVER FLOW	AUTO	MANUAL	MAKE UP	DRY WEIGHT	OPERATING WEIGHT
2121A4	2150	2150	3045	3970	2585	2.2					100 X 1	100 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1074	2944
2121B4	2150	2150	3070	3995	2598	3.7	1700	6	FRP	100 X 1	100 X 1	50 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1080	2950
2121C4	2150	2150	3070	3995	2598	5.5				125 X 1	125 X 1	50 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1105	2975
2121D4	2150	2150	3070	3995	2598	7.5				125 X 1	125 X 1	50 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1114	2984
2127B4	2750	2750	3395	4275	2798	3.7				125 X 1	125 X 1	50 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1530	3850
2127C4	2750	2750	3420	4300	2810	5.5	2000	6	FRP	150 X 1	150 X 1	50 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1600	3875
2127D4	2750	2750	3420	4300	2810	7.5				150 X 1	150 X 1	50 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	1610	3885
2127E4	2750	2750	3470	4350	2835	11				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	32 X 1	32 X 1	32 X 1	1660	3935
3131B4	3150	3150	3720	4780	3110	3.7				150 X 1	150 X 1	50 X 1	50 X 1	50 X 1	25 X 1	25 X 1	25 X 1	2080	4890
3131C4	3150	3150	3770	4830	3135	5.5	2180	6	FRP	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	32 X 1	32 X 1	32 X 1	2105	4915
3131D4	3150	3150	3770	4830	3135	7.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	32 X 1	32 X 1	32 X 1	2115	4925
3131E4	3150	3150	3770	4830	3135	11				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2165	4975
3333C4	3350	3350	4170	5490	3535	5.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2670	5680
3333D4	3350	3350	4170	5490	3535	7.5	2750	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2680	5690
3333E4	3350	3350	4170	5490	3535	11				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2730	5740
3333F4	3350	3350	4170	5490	3535	15				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	40 X 1	40 X 1	40 X 1	2755	5765
3535C4	3550	3550	4220	5515	3535	5.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2805	6180
3535D4	3550	3550	4220	5515	3535	7.5	3050	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2845	6190
3535E4	3550	3550	4220	5515	3535	11				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2895	6240
3535F4	3550	3550	4220	5515	3535	15				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2920	6265
3939C4	3950	3950	4520	5815	3835	5.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2940	6680
3939D4	3950	3950	4520	5815	3835	7.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	2945	6685
3939E4	3950	3950	4520	5815	3835	11	3050	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3000	6740
3939F4	3950	3950	4520	5815	3835	15				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3020	6760
3939G4	3950	3950	4520	5815	3835	18.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3050	6790
4343C4	4350	4350	4520	5815	3835	5.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3980	8775
4343D4	4350	4350	4520	5815	3835	7.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	3990	8785
4343E4	4350	4350	4520	5815	3835	11	3050	4	ALUMINIUM	200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4040	8835
4343F4	4350	4350	4570	5865	3860	15				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4065	8860
4343G4	4350	4350	4570	5865	3860	18.5				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4095	8890
4848D4	4800	4800	4670	6005	3835	7.5				200 X 1	200 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4785	11900
4848E4	4800	4800	4720	6055	3860	11				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4835	11955
4848F4	4800	4800	4720	6055	3860	15	3350	4	ALUMINIUM	250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4855	11975
4848G4	4800	4800	4720	6055	3860	18.5				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4890	12010
4848H4	4800	4800	4720	6055	3860	22				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	4910	12030
5151D4	5100	5100	4720	6070	3860	7.5				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	5955	13585
5151E4	5100	5100	4720	6070	3860	11				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6010	13640
5151F4	5100	5100	4720	6070	3860	15				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6030	13660
5151G4	5100	5100	4720	6070	3860	18.5	3650	4	ALUMINIUM	250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6060	13690
5151H4	5100	5100	4720	6070	3860	22				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6085	13715
5151I4	5100	5100	4720	6070	3860	30				250 X 1	250 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	50 X 1	6170	13800

MODEL	TOWER DIMENSION (mm)					MOTOR	AXIAL FAN DETAILS			PIPING INFORMATION (mm)						WEIGHT (KG)		
	MT	L	W	h	H		P	kW	F (mm)	NO OF BLADE	MATERIAL	INLET	OUTLET	DRAIN	OVER FLOW	AUTO	MANUAL	DRY WEIGHT
5454E4	5400	5400	4720	6070	3860	11				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	6960	15750
5454F4	5400	5400	4720	6070	3860	15				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	6985	15775
5454G4	5400	5400	4720	6070	3860	18.5	3650	4	ALUMINIUM	250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7015	15805
5454H4	5400	5400	4720	6070	3860	22				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7040	15830
5454I4	5400	5400	4770	6120	3885	30				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7125	15920
5454J4	5400	5400	4770	6120	3885	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7180	15970
5757E4	5700	5700	4720	6070	3860	11				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7840	20430
5757F4	5700	5700	4720	6070	3860	15				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7860	20450
5757G4	5700	5700	4720	6070	3860	18.5	3650	4	ALUMINIUM	250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7890	20480
5757H4	5700	5700	4770	6120	3885	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	7915	20505
5757I4	5700	5700	4770	6120	3885	30				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	8000	20590
5757J4	5700	5700	4770	6120	3885	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	8055	20645
6060F4	6000	6000	4720	6070	3860	15				250 X1	250 X1	50 X1	50 X1	50 X1	50 X1	50 X1	8945	21635
6060G4	6000	6000	4770	6120	3885	18.5				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	8975	21665
6060H4	6000	6000	4770	6120	3885	22	4000	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	9000	21690
6060I4	6000	6000	4770	6120	3885	30				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	9085	21775
6060J4	6000	6000	4770	6120	3885	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	9140	21830
6060K4	6000	6000	4770	6120	3885	45				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	9160	21850
6666G4	6600	6600	5120	6470	3885	18.5				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	11710	26110
6666H4	6600	6600	5120	6470	3885	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	11735	26135
6666I4	6600	6600	5120	6470	3885	30	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	11820	26220
6666J4	6600	6600	5120	6470	3885	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	11875	26275
6666K4	6600	6600	5120	6470	3885	45				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	11900	26300
6666L4	6600	6600	5170	6520	3910	55				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	12030	26425
7171G4	7100	7100	5120	6470	3885	18.5				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14325	30455
7171H4	7100	7100	5120	6470	3885	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14345	30480
7171I4	7100	7100	5120	6470	3885	30	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14435	30565
7171J4	7100	7100	5120	6470	3885	37				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14485	30620
7171K4	7100	7100	5170	6520	3910	45				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14510	30640
7171L4	7100	7100	5170	6520	3910	55				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	14640	30770
7676G4	7600	7600	5120	6470	3885	18.5				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15645	32335
7676H4	7600	7600	5120	6470	3885	22				300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15670	32355
7676I4	7600	7600	5120	6470	3885	30	4250	4	ALUMINIUM	300 X1	300 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15755	32445
7676J4	7600	7600	5170	6520	3910	37				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15810	32500
7676K4	7600	7600	5170	6520	3910	45				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15830	32520
7676L4	7600	7600	5170	6520	3910	55				350 X1	350 X1	50 X1	50 X1	50 X1	50 X1	50 X1	15960	32650

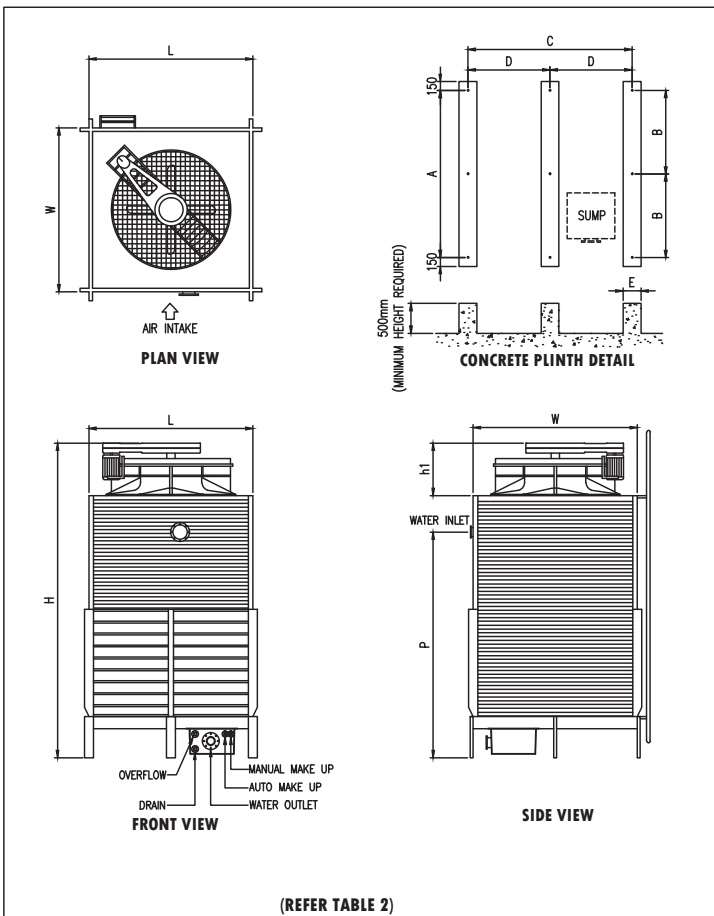
FOR 1 SIDE AIR INTAKE



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT2121A1-1B	2150	2150	4970	925	3585	2200	-	2150	-	300
MT2121B1-1B			4995		3598					
MT2121C1-1B										
MT2121D1-1B										

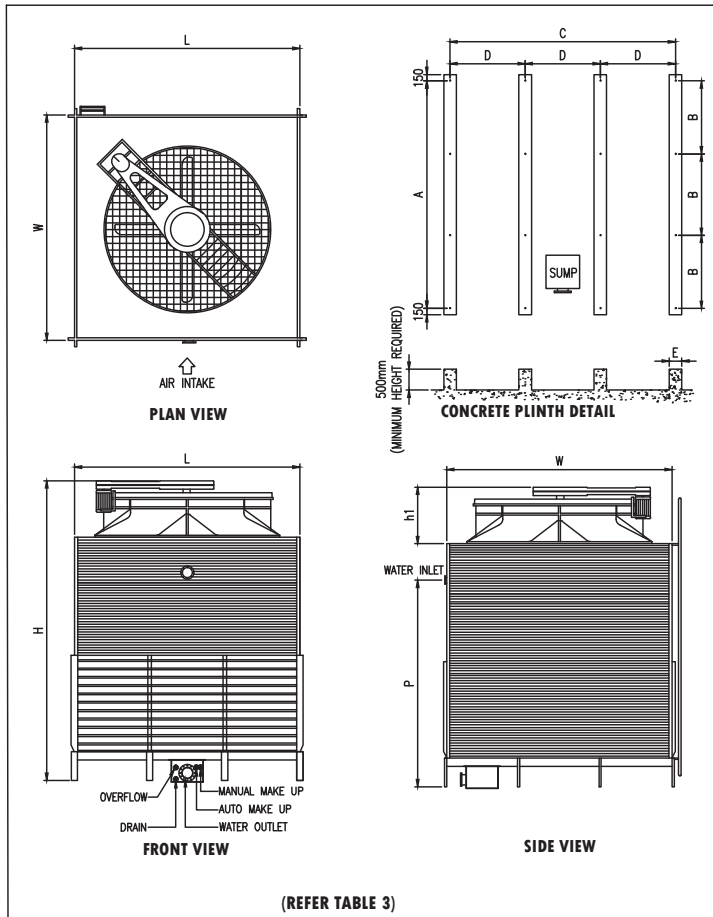
TABLE 1



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT2727B1-1B	2750	2750	5275	880	3798	2800	1400	2750	1375	300
MT2727C1-1B			5300	880	3810					
MT2727D1-1B			5300	880	3810					
MT2727E1-1B			5350	880	3835					
MT3131B1-1B	3150	3150	5780	1060	4110	3200	1600	3150	1575	300
MT3131C1-1B			5830	1060	4135					
MT3131D1-1B			5830	1060	4135					
MT3131E1-1B			5830	1060	4135					
MT3333C1-1B	3350	3350	6590	1320	4635	3400	1700	3350	1675	300
MT3333D1-1B			6590	1320	4635					
MT3333E1-1B			6590	1320	4635					
MT3333F1-1B			6590	1320	4635					
MT3535C1-1B	3550	3550	6615	1295	4635	3600	1800	3550	1775	300
MT3535D1-1B			6615	1295	4635					
MT3535E1-1B			6615	1295	4635					
MT3535F1-1B			6615	1295	4635					
MT3939C1-1B	3950	3950	6915	1295	4935	4000	2000	3950	1975	300
MT3939D1-1B			6915	1295	4935					
MT3939E1-1B			6915	1295	4935					
MT3939F1-1B			6915	1295	4935					
MT3939G1-1B			6955	1335	4935					
MT4343C1-1B	4350	4350	6915	1295	4935	4400	2200	4350	2175	300
MT4343D1-1B			6915	1295	4935					
MT4343E1-1B			6915	1295	4935					
MT4343F1-1B			6965	1295	4960					
MT4343G1-1B			7005	1335	4960					
MT4848D1-1B	4800	4800	7105	1335	4935	4850	2425	4800	2400	300
MT4848E1-1B			7155	1335	4960					
MT4848F1-1B			7155	1335	4960					
MT4848G1-1B			7155	1335	4960					
MT4848H1-1B			7155	1335	4960					
MT5151D1-1B	5100	5100	7170	1350	4960	5150	2575	5100	2550	300
MT5151E1-1B			7170	1350	4960					
MT5151F1-1B			7170	1350	4960					
MT5151G1-1B			7170	1350	4960					
MT5151H1-1B			7170	1350	4960					
MT5151I1-1B			7170	1350	4960					

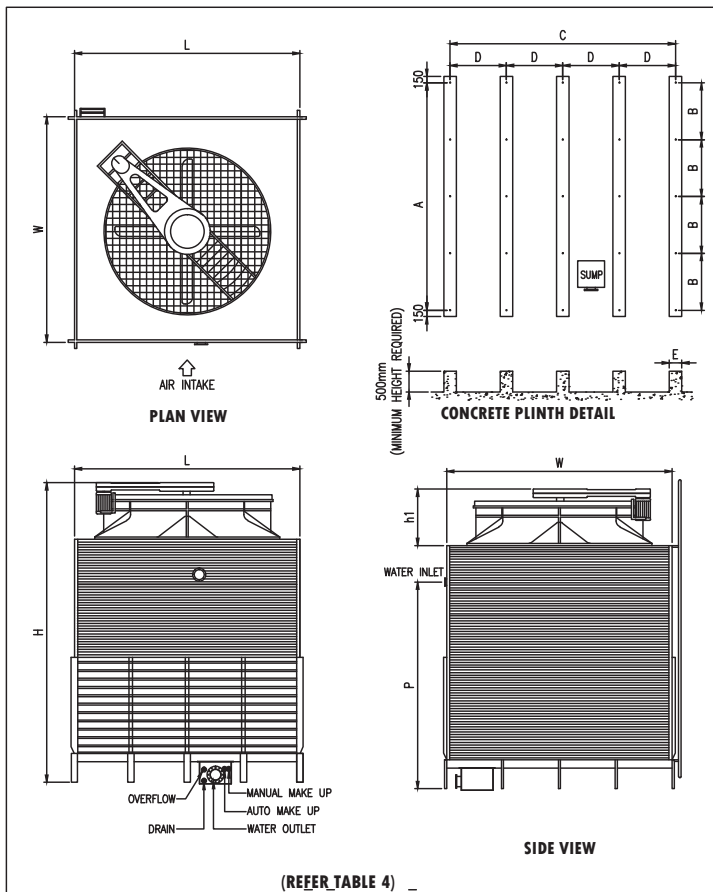
TABLE 2



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT5454E1-1B	5400	5400	7170	1350	4960	5450	1816	5400	1800	300
MT5454F1-1B			7170	1350	4960					
MT5454G1-1B			7170	1350	4960					
MT5454H1-1B			7170	1350	4960					
MT5454I1-1B			7220	1350	4985					
MT5454J1-1B			7220	1350	4985					
MT5757E1-1B	5700	5700	7170	1350	4960	5750	1916	5700	1900	300
MT5757F1-1B			7170	1350	4960					
MT5757G1-1B			7170	1350	4960					
MT5757H1-1B			7220	1350	4985					
MT5757I1-1B			7220	1350	4985					
MT5757J1-1B			7220	1350	4985					
MT6060F1-1B	6000	6000	7170	1350	4960	6050	2016	6000	2000	300
MT6060G1-1B			7220	1350	4985					
MT6060H1-1B			7220	1350	4985					
MT6060I1-1B			7220	1350	4985					
MT6060J1-1B			7220	1350	4985					
MT6060K1-1B			7220	1350	4985					

TABLE 3



NOTE : ALL DIMENSION IN MM

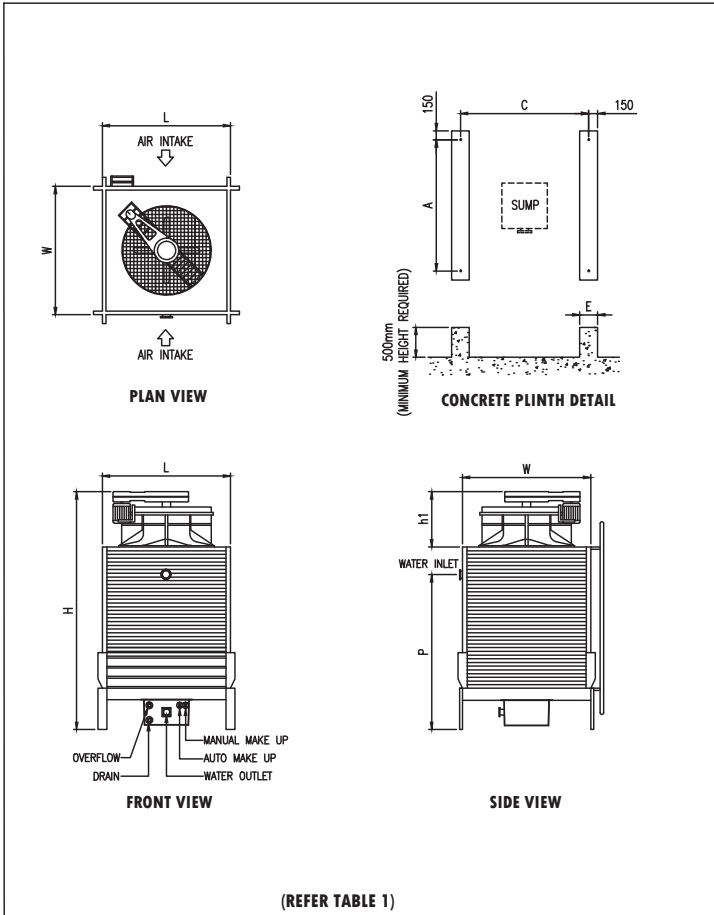
MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT6666G1-1B	6600	6600	7570	1350	4985	6650	1662.5	6600	1650	300
MT6666H1-1B			7570	1350	4985					
MT6666I1-1B			7570	1350	4985					
MT6666J1-1B			7570	1350	4985					
MT6666K1-1B			7570	1350	4985					
MT6666L1-1B			7620	1350	5010					
MT7171G1-1B	7100	7100	7570	1350	4985	7150	1787.5	7100	1775	300
MT7171H1-1B			7570	1350	4985					
MT7171I1-1B			7570	1350	4985					
MT7171J1-1B			7570	1350	4985					
MT7171K1-1B			7620	1350	5010					
MT7171L1-1B			7620	1350	5010					
MT7676G1-1B	7600	7600	7770	1350	5185	7650	1912.5	7600	1900	300
MT7676H1-1B			7770	1350	5185					
MT7676I1-1B			7770	1350	5185					
MT7676J1-1B			7820	1350	5210					
MT7676K1-1B			7820	1350	5210					
MT7676L1-1B			7820	1350	5210					

TABLE 4

CONCRETE PLINTH DETAILS



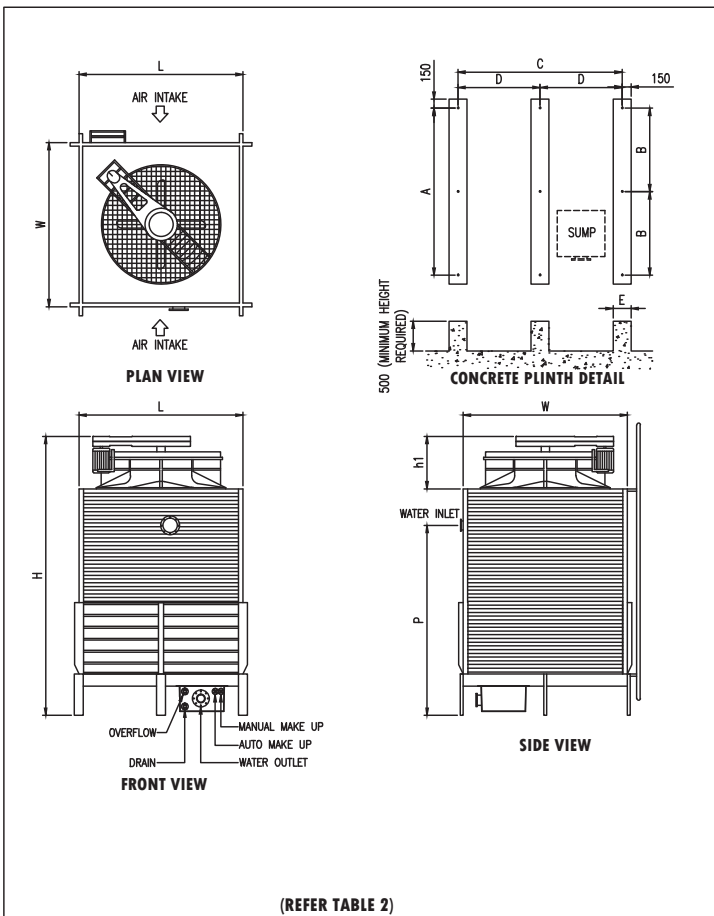
FOR 2 SIDE AIR INTAKE



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT2121A2-1B	2150	2150	4370	925	2985	2200	-	2150	-	300
MT2121B2-1B			4395		2998					
MT2121C2-1B										
MT2121D2-1B										

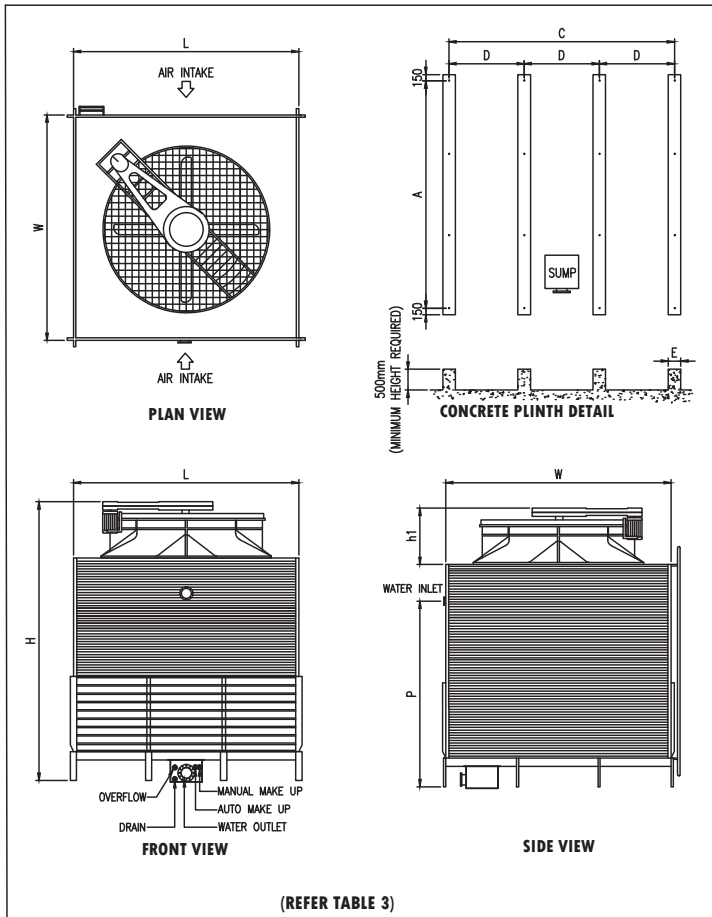
TABLE 1



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT2727B2-1B	2750	2750	4675	880	3198	2800	1400	2750	1375	300
MT2727C2-1B			4700	880	3210					
MT2727D2-1B			4700	880	3210					
MT2727E2-1B			4750	880	3235					
MT3131B2-1B	3150	3150	5180	1060	3510	3200	1600	3150	1575	300
MT3131C2-1B			5230	1060	3535					
MT3131D2-1B			5230	1060	3535					
MT3131E2-1B			5230	1060	3535					
MT3333C2-1B	3350	3350	5890	1320	3935	3400	1700	3350	1675	300
MT3333D2-1B			5890	1320	3935					
MT3333E2-1B			5890	1320	3935					
MT3333F2-1B			5890	1320	3935					
MT3535C2-1B	3550	3550	5915	1295	3935	3600	1800	3550	1775	300
MT3535D2-1B			5915	1295	3935					
MT3535E2-1B			5915	1295	3935					
MT3535F2-1B			5915	1295	3935					
MT3939C2-1B	3950	3950	6215	1295	4235	4000	2000	3950	1975	300
MT3939D2-1B			6215	1295	4235					
MT3939E2-1B			6215	1295	4235					
MT3939F2-1B			6215	1295	4235					
MT4343C2-1B	4350	4350	6215	1295	4235	4400	2200	4350	2175	300
MT4343D2-1B			6215	1295	4235					
MT4343E2-1B			6215	1295	4235					
MT4343F2-1B			6265	1295	4260					
MT4848D2-1B	4800	4800	6605	1335	4435	4850	2425	4800	2400	300
MT4848E2-1B			6655	1335	4460					
MT4848F2-1B			6655	1335	4460					
MT4848G2-1B			6655	1335	4460					
MT5151D2-1B	5100	5100	6670	1350	4460	5150	2575	5100	2550	300
MT5151E2-1B			6670	1350	4460					
MT5151F2-1B			6670	1350	4460					
MT5151G2-1B			6670	1350	4460					
MT5151H2-1B			6670	1350	4460					
MT5151I2-1B			6670	1350	4460					

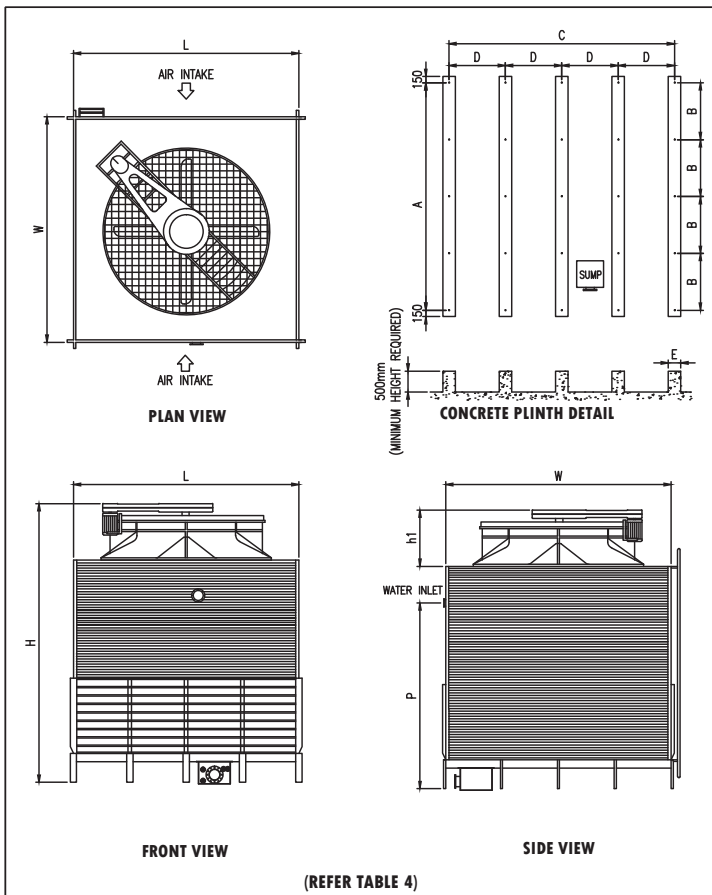
TABLE 2



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT5454E2-1B	5400	5400	6670	1350	4460	5450	1816	5400	1800	300
MT5454F2-1B			6670	1350	4460					
MT5454G2-1B			6670	1350	4460					
MT5454H2-1B			6670	1350	4460					
MT5454I2-1B			6670	1350	4460					
MT5454J2-1B	6720	1350	4485	6720	1350	4485				
MT5757E2-1B	5700	5700	6670	1350	4460	5750	1916	5700	1900	300
MT5757F2-1B			6670	1350	4460					
MT5757G2-1B			6670	1350	4460					
MT5757H2-1B			6720	1350	4485					
MT5757I2-1B			6720	1350	4485					
MT5757J2-1B	6720	1350	4485	6720	1350	4485				
MT6060F2-1B	6000	6000	6670	1350	4460	6050	2016	6000	2000	300
MT6060G2-1B			6720	1350	4485					
MT6060H2-1B			6720	1350	4485					
MT6060I2-1B			6720	1350	4485					
MT6060J2-1B			6720	1350	4485					
MT6060K2-1B	6720	1350	4485	6720	1350	4485				

TABLE 3

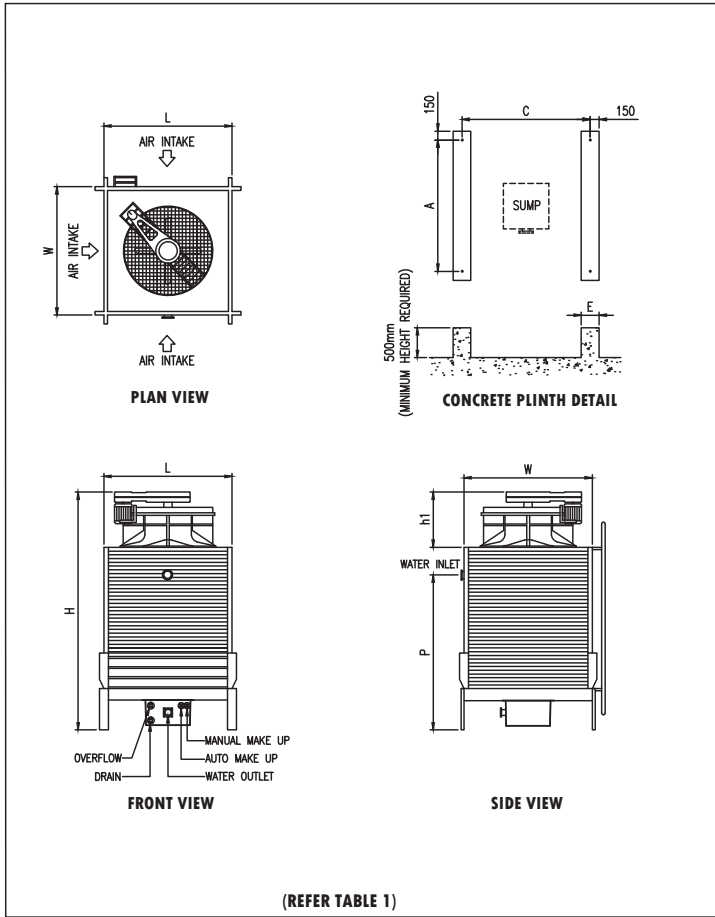


NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT6666C2-1B	6600	6600	7070	1350	4485	6650	1662.5	6600	1650	300
MT6666H2-1B			7070	1350	4485					
MT6666I2-1B			7070	1350	4485					
MT6666J2-1B			7070	1350	4485					
MT6666K2-1B			7070	1350	4485					
MT6666L2-1B	7120	1350	4510	7120	1350	4510				
MT7171G2-1B	7100	7100	7070	1350	4485	7150	1787.5	7100	1775	300
MT7171H2-1B			7070	1350	4485					
MT7171I2-1B			7070	1350	4485					
MT7171J2-1B			7070	1350	4485					
MT7171K2-1B			7120	1350	4510					
MT7171L2-1B	7120	1350	4510	7120	1350	4510				
MT7676C2-1B	7600	7600	7070	1350	4485	7650	1912.5	7600	1900	300
MT7676H2-1B			7070	1350	4485					
MT7676I2-1B			7070	1350	4485					
MT7676J2-1B			7120	1350	4510					
MT7676K2-1B			7120	1350	4510					
MT7676L2-1B	7120	1350	4510	7120	1350	4510				

TABLE 4

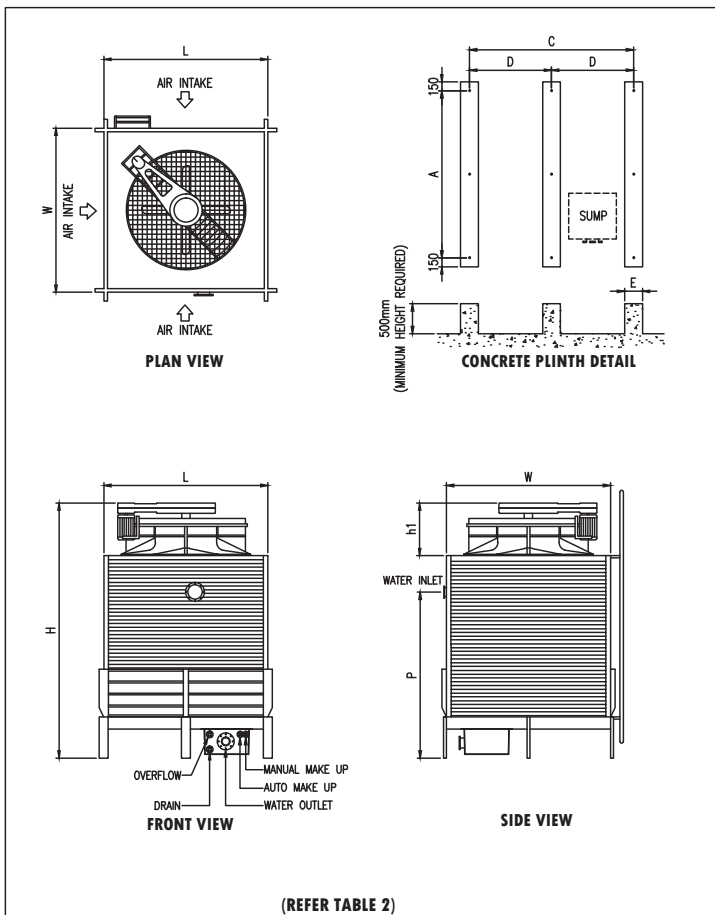
FOR 3 SIDE AIR INTAKE



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT2121A3-1B	2150	2150	3970	925	2585	2200	-	2150	-	300
MT2121B3-1B										
MT2121C3-1B										
MT2121D3-1B										

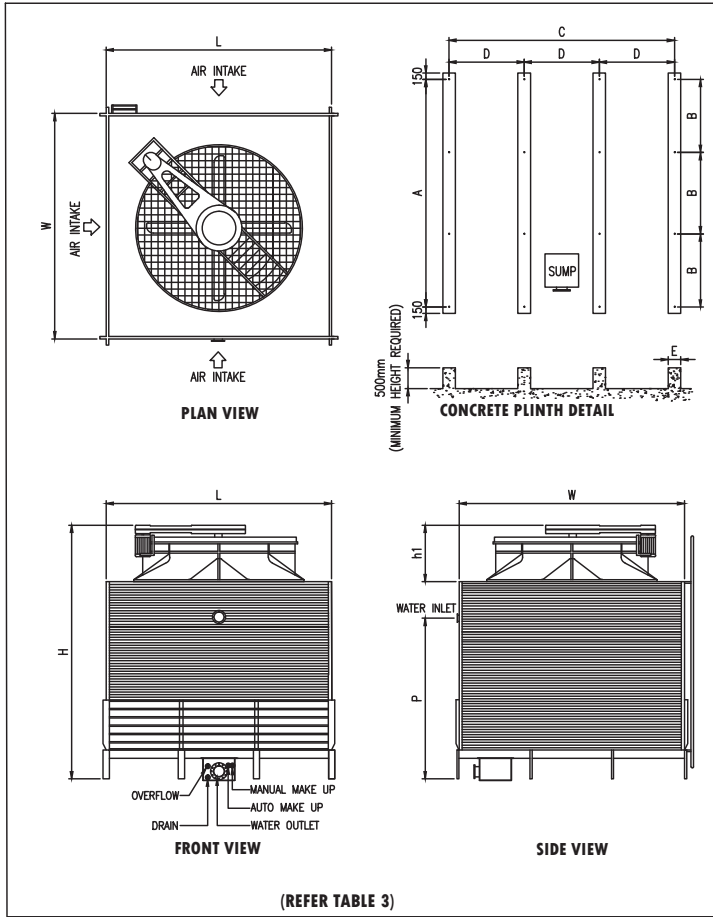
TABLE 1



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT2727B3-1B	2750	2750	4275	880	2798	2800	1400	2750	1375	300
MT2727C3-1B										
MT2727D3-1B										
MT2727E3-1B										
MT3131B3-1B	3150	3150	4780	1060	3110	3200	1600	3150	1575	300
MT3131C3-1B										
MT3131D3-1B										
MT3131E3-1B										
MT3333C3-1B	3350	3350	5490	1320	3535	3400	1700	3350	1675	300
MT3333D3-1B										
MT3333E3-1B										
MT3333F3-1B										
MT3535C3-1B	3550	3550	5515	1295	3535	3600	1800	3550	1775	300
MT3535D3-1B										
MT3535E3-1B										
MT3535F3-1B										
MT3939C3-1B	3950	3950	5815	1295	3835	4000	2000	3950	1975	300
MT3939D3-1B										
MT3939E3-1B										
MT3939F3-1B										
MT3939G3-1B	4800	4800	6005	1335	3835	4850	2425	4800	2400	300
MT4343C3-1B										
MT4343D3-1B										
MT4343E3-1B										
MT4343F3-1B	5100	5100	5865	1295	3860	5150	2575	5100	2550	300
MT4343G3-1B										
MT4848D3-1B										
MT4848E3-1B										
MT4848F3-1B	5100	5100	6055	1335	3860	5150	2575	5100	2550	300
MT4848G3-1B										
MT4848H3-1B										
MT5151D3-1B										
MT5151E3-1B	5100	5100	6070	1350	3860	5150	2575	5100	2550	300
MT5151F3-1B										
MT5151G3-1B										
MT5151H3-1B										
MT5151I3-1B	5100	5100	6070	1350	3860	5150	2575	5100	2550	300
MT5151J3-1B										
MT5151K3-1B										
MT5151L3-1B										

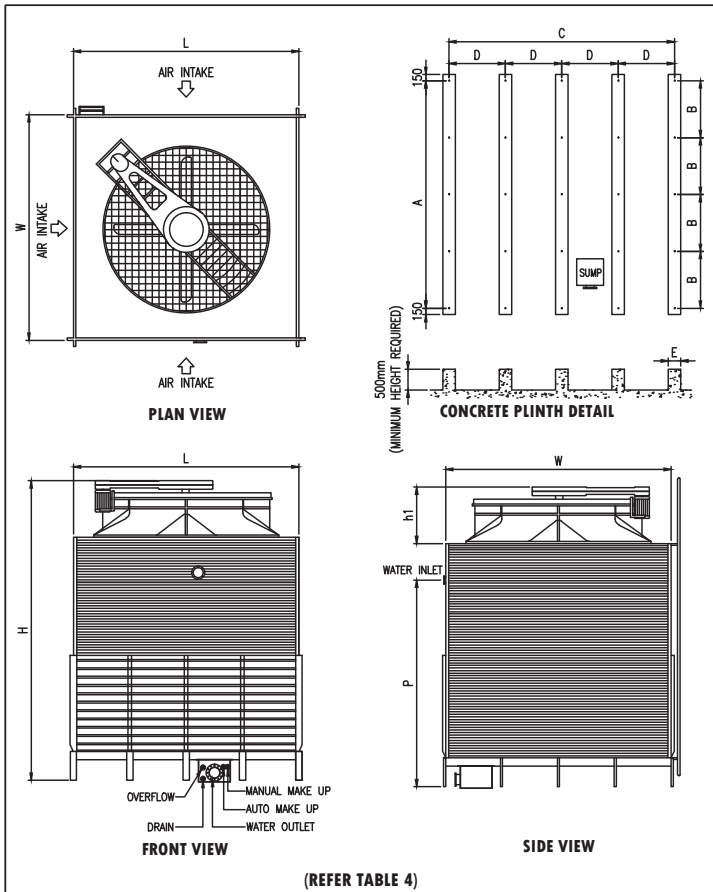
TABLE 2



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT5454E3-1B	5400	5400	6070	1350	3860	5450	1816	5400	1800	300
MT5454F3-1B			6070	1350	3860					
MT5454G3-1B			6070	1350	3860					
MT5454H3-1B			6070	1350	3860					
MT5454I3-1B			6120	1350	3885					
MT5454J3-1B			6120	1350	3885					
MT5757E3-1B	5700	5700	6070	1350	3860	5750	1916	5700	1900	300
MT5757F3-1B			6070	1350	3860					
MT5757G3-1B			6070	1350	3860					
MT5757H3-1B			6120	1350	3885					
MT5757I3-1B			6120	1350	3885					
MT5757J3-1B			6120	1350	3885					
MT6060F3-1B	6000	6000	6070	1350	3860	6050	2016	6000	2000	300
MT6060G3-1B			6120	1350	3885					
MT6060H3-1B			6120	1350	3885					
MT6060I3-1B			6120	1350	3885					
MT6060J3-1B			6120	1350	3885					
MT6060K3-1B			6120	1350	3885					

TABLE 3

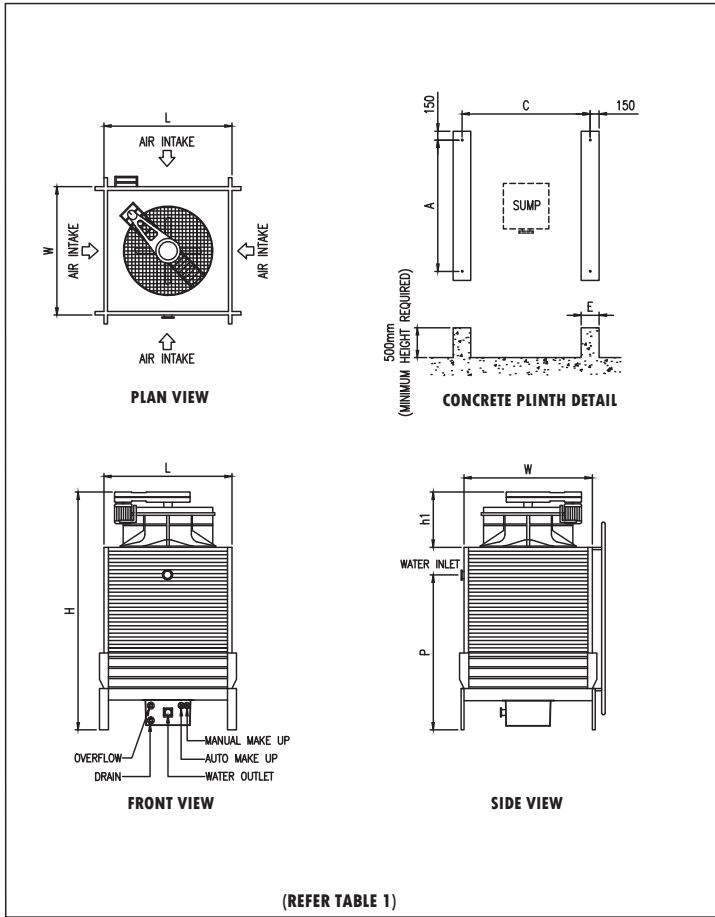


NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT6666G3-1B	6600	6600	6470	1350	3885	6650	1662.5	6600	1650	300
MT6666H3-1B			6470	1350	3885					
MT6666I3-1B			6470	1350	3885					
MT6666J3-1B			6470	1350	3885					
MT6666K3-1B			6470	1350	3885					
MT6666L3-1B			6520	1350	3910					
MT7171G3-1B	7100	7100	6470	1350	3885	7150	1787.5	7100	1775	300
MT7171H3-1B			6470	1350	3885					
MT7171I3-1B			6470	1350	3885					
MT7171J3-1B			6470	1350	3885					
MT7171K3-1B			6520	1350	3910					
MT7171L3-1B			6520	1350	3910					
MT7676G3-1B	7600	7600	6470	1350	3885	7650	1912.5	7600	1900	300
MT7676H3-1B			6470	1350	3885					
MT7676I3-1B			6470	1350	3885					
MT7676J3-1B			6520	1350	3910					
MT7676K3-1B			6520	1350	3910					
MT7676L3-1B			6520	1350	3910					

TABLE 4

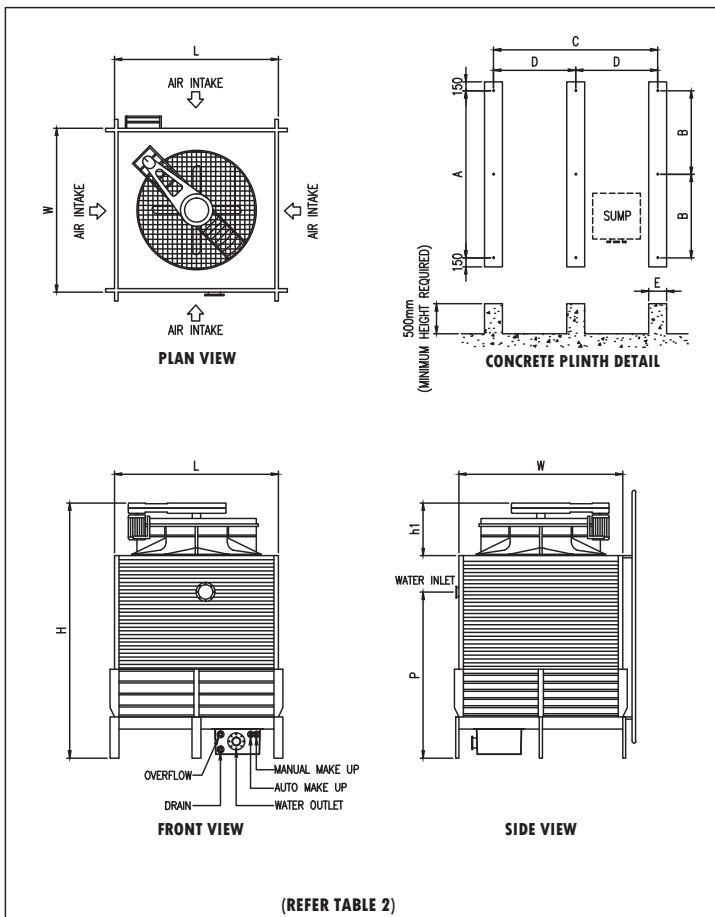
FOR 4 SIDE AIR INTAKE



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT2121A4-1B	2150	2150	3970	925	2598	2200	-	2150	-	300
MT2121B4-1B										
MT2121C4-1B										
MT2121D4-1B										

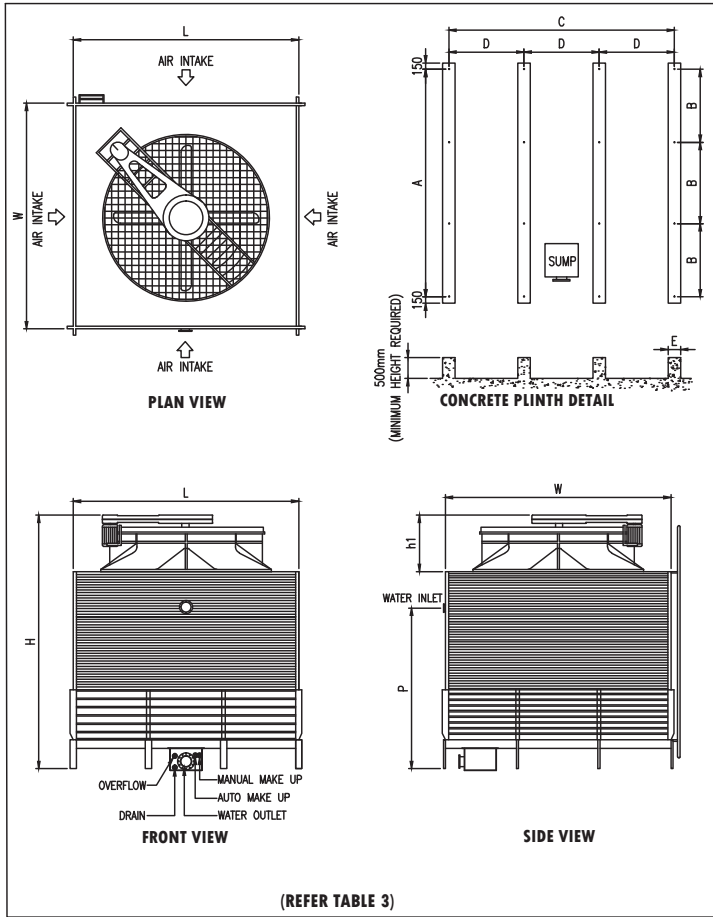
TABLE 1



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT2727B4-1B	2750	2750	4275	880	2798	2800	1400	2750	1375	300
MT2727C4-1B										
MT2727D4-1B										
MT2727E4-1B										
MT3131B4-1B	3150	3150	4780	1060	3110	3200	1600	3150	1575	300
MT3131C4-1B										
MT3131D4-1B										
MT3131E4-1B										
MT3333C4-1B	3350	3350	5490	1320	3535	3400	1700	3350	1675	300
MT3333D4-1B										
MT3333E4-1B										
MT3333F4-1B										
MT3535C4-1B	3550	3550	5515	1295	3535	3600	1800	3550	1775	300
MT3535D4-1B										
MT3535E4-1B										
MT3535F4-1B										
MT3939C4-1B	3950	3950	5815	1295	3835	4000	2000	3950	1975	300
MT3939D4-1B										
MT3939E4-1B										
MT3939F4-1B										
MT3939G4-1B	4800	4800	5815	1295	3835	4850	2425	4800	2400	300
MT4343C4-1B										
MT4343D4-1B										
MT4343E4-1B										
MT4343F4-1B	5100	5100	5865	1295	3860	5150	2575	5100	2550	300
MT4343G4-1B										
MT4848D4-1B										
MT4848E4-1B										
MT4848F4-1B	5100	5100	6055	1335	3860	5150	2575	5100	2550	300
MT4848G4-1B										
MT4848H4-1B										
MT5151D4-1B										
MT5151E4-1B	5100	5100	6070	1350	3860	5150	2575	5100	2550	300
MT5151F4-1B										
MT5151G4-1B										
MT5151H4-1B										
MT5151I4-1B	5100	5100	6070	1350	3860	5150	2575	5100	2550	300
MT5151J4-1B										
MT5151K4-1B										
MT5151L4-1B										

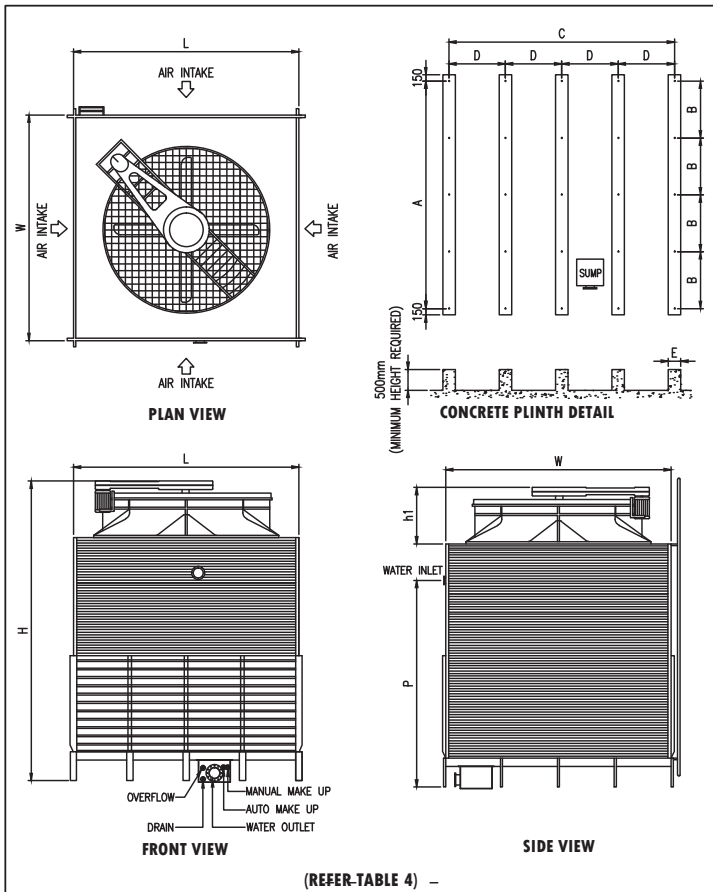
TABLE 2



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT5454E4-1B	5400	5400	6070	1350	3860	5450	1816	5400	1800	300
MT5454F4-1B			6070	1350	3860					
MT5454G4-1B			6070	1350	3860					
MT5454H4-1B			6070	1350	3860					
MT5454I4-1B			6120	1350	3885					
MT5454J4-1B			6120	1350	3885					
MT5757E4-1B	5700	5700	6070	1350	3860	5750	1916	5700	1900	300
MT5757F4-1B			6070	1350	3860					
MT5757G4-1B			6070	1350	3860					
MT5757H4-1B			6120	1350	3885					
MT5757I4-1B			6120	1350	3885					
MT5757J41B			6120	1350	3885					
MT6060F4-1B	6000	6000	6070	1350	3860	6050	2016	6000	2000	300
MT6060G4-1B			6120	1350	3885					
MT6060H4-1B			6120	1350	3885					
MT6060I4-1B			6120	1350	3885					
MT6060J4-1B			6120	1350	3885					
MT6060K4-1B			6120	1350	3885					

TABLE 3



NOTE : ALL DIMENSION IN MM

MODEL	TOWER DIMENSION					CONCRETE PLINTH DETAILS				
	L	W	H	h1	P	A	B	C	D	E
MT6666C4-1B	6600	6600	6470	1350	3885	6650	1662.5	6600	1650	300
MT6666H4-1B			6470	1350	3885					
MT6666I4-1B			6470	1350	3885					
MT6666J4-1B			6470	1350	3885					
MT6666K4-1B			6470	1350	3885					
MT6666L4-1B			6520	1350	3910					
MT7171C4-1B	7100	7100	6470	1350	3885	7150	1787.5	7100	1775	300
MT7171H4-1B			6470	1350	3885					
MT7171I4-1B			6470	1350	3885					
MT7171J4-1B			6470	1350	3885					
MT7171K4-1B			6520	1350	3910					
MT7171L4-1B			6520	1350	3910					
MT7676C4-1B	7600	7600	6470	1350	3885	7650	1912.5	7600	1900	300
MT7676H4-1B			6470	1350	3885					
MT7676I4-1B			6470	1350	3885					
MT7676J4-1B			6520	1350	3910					
MT7676K4-1B			6520	1350	3910					
MT7676L4-1B			6520	1350	3910					

TABLE 4



GEAR REDUCER

In addition to using V belt, right angle reduction gears are used for stringer application that requires no down time due to wear and tear. This type of option gives the building owner the convenience of planning the down time for planned maintenance. Design features and ratings are in accordance with the minimum requirements of AGMA (American Gear Manufacturers Association) and CTI (Cooling Technology Institute) standards.



HANDRAIL

The safety option is to ensure that working at elevated height of cooling tower is now complete with guard rail around the tower parameters. This option can be further enhanced with caged ladder which is an added feature as well.



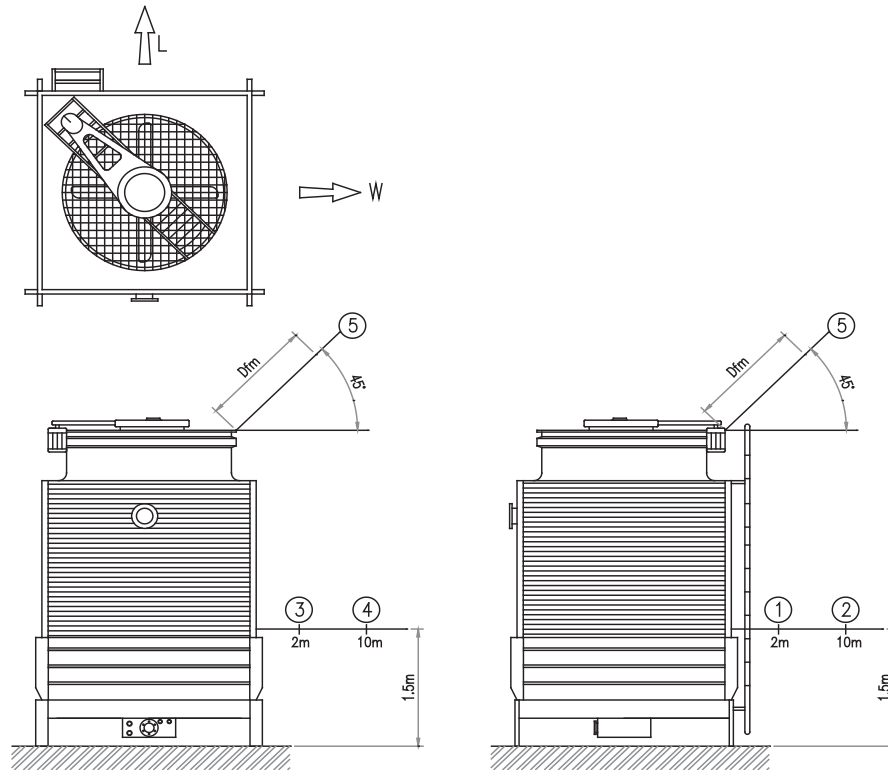
HIGH EFFICIENCY MOTOR

Our high efficiency motor are rated to Eff2 or IE1 (standard) , Eff1 and IE2 (high efficiency). We also offer latest IE3 (premium) standards as indicated by IEC 60034-30. The choice of efficiency is up the client's preferences. For usage with variable speed inverters, we recommend special modification to the motor is required in order to allow the motor to operate at low frequency.



DISCHARGE HOOD

This option gives alternative diversion of hot air discharge from the fan stack to other direction deemed more suitable. It is made from Fibreglass Reinforced Polyester (FRP) which is the same material as the fan stack. The most popular discharge angle is 45°.



TOWER MODEL	Louver (L)		Panel (W)		FAN (Dfm) (45°)	TOWER MODEL	Louver (L)		Panel (W)		FAN (Dfm) (45°)
	①	②	③	④	⑤		①	②	③	④	⑤
MT2121A4-1B	70.50	56.52	70.50	56.52	70.50	MT3535C4-1B	72.50	61.52	72.50	61.52	74.00
MT2121A4-1BS	64.50	50.52	64.50	50.52	70.50	MT3535C4-1BS	66.00	61.02	66.00	61.02	74.00
MT2121B4-1B	71.50	57.52	71.50	57.52	71.50	MT3535D4-1B	73.50	62.52	73.50	62.52	75.00
MT2121B4-1BS	65.50	51.52	65.50	51.52	71.50	MT3535D4-1BS	67.00	62.02	67.00	62.02	75.00
MT2121C4-1B	72.50	58.52	72.50	58.52	72.00	MT3535E4-1B	75.00	64.02	75.00	64.02	76.50
MT2121C4-1BS	66.50	52.52	66.50	52.52	72.00	MT3535E4-1BS	68.50	63.52	68.50	63.52	76.50
MT2121D4-1B	73.50	59.52	73.50	59.52	74.00	MT3535F4-1B	76.50	65.52	76.50	65.52	79.00
MT2121D4-1BS	67.50	53.52	67.50	53.52	74.00	MT3535F4-1BS	70.00	65.02	70.00	65.02	79.00
MT2727B4-1B	71.50	57.52	71.50	57.52	70.50	MT3939C4-1B	73.00	62.02	73.00	62.02	74.00
MT2727B4-1BS	65.50	51.52	65.50	51.52	70.50	MT3939C4-1BS	66.50	61.52	66.50	61.52	74.00
MT2727C4-1B	72.50	58.52	72.50	58.52	71.50	MT3939D4-1B	74.00	63.02	74.00	63.02	75.00
MT2727C4-1BS	66.50	52.52	66.50	52.52	71.50	MT3939D4-1BS	67.50	62.52	67.50	62.52	75.00
MT2727D4-1B	73.50	59.52	73.50	59.52	72.50	MT3939E4-1B	75.00	64.02	75.00	64.02	76.50
MT2727D4-1BS	67.50	53.52	67.50	53.52	72.50	MT3939E4-1BS	68.50	63.52	68.50	63.52	76.50
MT2727E4-1B	75.00	61.02	75.00	61.02	74.00	MT3939F4-1B	77.00	66.02	77.00	66.02	79.00
MT2727E4-1BS	69.00	55.02	69.00	55.02	74.00	MT3939F4-1BS	70.50	65.52	70.50	65.52	79.00
MT3131B4-1B	71.50	57.52	71.50	57.52	73.00	MT3939G4-1B	79.00	68.02	79.00	68.02	80.00
MT3131B4-1BS	65.50	51.52	65.50	51.52	73.00	MT3939G4-1BS	72.50	67.52	72.50	67.52	80.00
MT3131C4-1B	72.50	58.52	72.50	58.52	74.00	MT4343C4-1B	73.00	62.02	73.00	62.02	74.00
MT3131C4-1BS	66.50	52.52	66.50	52.52	74.00	MT4343C4-1BS	66.50	61.52	66.50	61.52	74.00
MT3131D4-1B	73.50	59.52	73.50	59.52	75.00	MT4343D4-1B	74.00	63.02	74.00	63.02	75.00
MT3131D4-1BS	67.50	53.52	67.50	53.52	75.00	MT4343D4-1BS	67.50	62.52	67.50	62.52	75.00
MT3131E4-1B	75.00	61.02	75.00	61.02	76.50	MT4343E4-1B	75.00	64.02	75.00	64.02	76.50
MT3131E4-1BS	69.00	55.02	69.00	55.02	76.50	MT4343E4-1BS	68.50	63.52	68.50	63.52	76.50
MT3333C4-1B	71.50	57.52	71.50	57.52	74.00	MT4343F4-1B	78.00	67.02	78.00	67.02	79.00
MT3333C4-1BS	65.50	51.52	65.50	51.52	74.00	MT4343F4-1BS	71.50	66.52	71.50	66.52	79.00
MT3333D4-1B	73.00	59.02	73.00	59.02	75.00	MT4343G4-1B	79.00	68.02	79.00	68.02	80.00
MT3333D4-1BS	67.00	53.02	67.00	53.02	75.00	MT4343G4-1BS	72.50	67.52	72.50	67.52	80.00
MT3333E4-1B	74.50	60.52	74.50	60.52	76.50	MT4848D4-1B	77.00	66.02	77.00	66.02	77.50
MT3333E4-1BS	68.50	54.52	68.50	54.52	76.50	MT4848D4-1BS	70.50	65.52	70.50	65.52	77.50
MT3333F4-1B	77.00	63.02	77.00	63.02	78.00	MT4848E4-1B	77.50	66.52	77.50	66.52	78.00
MT3333F4-1BS	71.00	57.02	71.00	57.02	78.00	MT4848E4-1BS	71.00	66.02	71.00	66.02	78.00

MT SERIES NOISE DATA



TOWER MODEL	Louver (L)		Panel (W)		FAN (Dfm) (45°)	TOWER MODEL	Louver (L)		Panel (W)		FAN (Dfm) (45°)
	①	②	③	④	⑤		①	②	③	④	⑤
MT4848F4-1B	78.00	67.02	78.00	67.02	79.00	MT6060G4-1BS	75.50	70.52	75.50	70.52	80.50
MT4848F4-1BS	71.50	66.52	71.50	66.52	79.00	MT6060H4-1B	83.00	72.02	83.00	72.02	81.50
MT4848G4-1B	80.00	69.02	80.00	69.02	80.50	MT6060H4-1BS	76.50	71.52	76.50	71.52	81.50
MT4848G4-1BS	73.50	68.52	73.50	68.52	80.50	MT6060I4-1B	83.50	72.52	83.50	72.52	82.00
MT4848H4-1B	81.00	70.02	81.00	70.02	81.50	MT6060I4-1BS	77.00	72.02	77.00	72.02	82.00
MT4848H4-1BS	74.50	69.52	74.50	69.52	81.50	MT6060J4-1B	84.00	73.02	84.00	73.02	83.00
MT5151D4-1B	75.00	64.02	75.00	64.02	78.00	MT6060J4-1BS	77.50	72.52	77.50	72.52	83.00
MT5151D4-1BS	68.50	63.52	68.50	63.52	78.00	MT6060K4-1B	84.50	73.52	84.50	73.52	84.00
MT5151E4-1B	76.50	65.52	76.50	65.52	78.50	MT6060K4-1BS	78.00	73.02	78.00	73.02	84.00
MT5151E4-1BS	70.00	65.02	70.00	65.02	78.50	MT6666G4-1B	83.00	72.02	83.00	72.02	81.00
MT5151F4-1B	78.50	67.52	78.50	67.52	79.50	MT6666G4-1BS	76.50	71.52	76.50	71.52	81.00
MT5151F4-1BS	72.00	67.02	72.00	67.02	79.50	MT6666H4-1B	83.50	72.52	83.50	72.52	82.00
MT5151G4-1B	81.00	70.02	81.00	70.02	81.00	MT6666H4-1BS	77.00	72.02	77.00	72.02	82.00
MT5151G4-1BS	74.50	69.52	74.50	69.52	81.00	MT6666I4-1B	84.00	73.02	84.00	73.02	83.00
MT5151H4-1B	81.50	70.52	81.50	70.52	81.00	MT6666I4-1BS	77.50	72.52	77.50	72.52	83.00
MT5151H4-1BS	75.00	70.02	75.00	70.02	81.00	MT6666J4-1B	84.50	73.52	84.50	73.52	83.50
MT5151I4-1B	82.50	71.52	82.50	71.52	82.00	MT6666J4-1BS	78.00	73.02	78.00	73.02	83.50
MT5151I4-1BS	76.00	71.02	76.00	71.02	82.00	MT6666K4-1B	85.50	74.52	85.50	74.52	83.50
MT5454E4-1B	77.50	66.52	77.50	66.52	78.50	MT6666K4-1BS	79.00	74.02	79.00	74.02	83.50
MT5454E4-1BS	71.00	68.52	71.00	68.52	78.50	MT6666L4-1B	87.00	76.02	87.00	76.02	84.50
MT5454F4-1B	79.00	68.02	79.00	68.02	79.00	MT6666L4-1BS	80.50	75.52	80.50	75.52	84.50
MT5454F4-1BS	72.50	68.52	72.50	68.52	79.00	MT7171G4-1B	83.50	72.52	83.50	72.52	81.00
MT5454G4-1B	81.00	70.02	81.00	70.02	80.50	MT7171G4-1BS	77.00	72.02	77.00	72.02	81.00
MT5454G4-1BS	74.50	68.52	74.50	68.52	80.50	MT7171H4-1B	84.00	73.02	84.00	73.02	82.00
MT5454H4-1B	82.00	71.02	82.00	71.02	81.50	MT7171H4-1BS	77.50	72.52	77.50	72.52	82.00
MT5454H4-1BS	75.50	68.52	75.50	68.52	81.50	MT7171I4-1B	84.50	73.52	84.50	73.52	83.00
MT5454I4-1B	82.50	71.52	82.50	71.52	82.00	MT7171I4-1BS	78.00	73.02	78.00	73.02	83.00
MT5454I4-1BS	76.00	71.02	76.00	71.02	82.00	MT7171J4-1B	85.00	74.02	85.00	74.02	83.50
MT5454J4-1B	83.00	72.02	83.00	72.02	82.50	MT7171J4-1BS	78.50	73.52	78.50	73.52	83.50
MT5454J4-1BS	76.50	71.52	76.50	71.52	82.50	MT7171K4-1B	86.00	75.02	86.00	75.02	83.50
MT5757E4-1B	78.00	67.02	78.00	67.02	78.50	MT7171K4-1BS	79.50	74.52	79.50	74.52	83.50
MT5757E4-1BS	71.50	66.52	71.50	66.52	78.50	MT7171L4-1B	87.50	76.52	87.50	76.52	84.50
MT5757F4-1B	79.50	68.52	79.50	68.52	79.00	MT7171L4-1BS	81.00	76.02	81.00	76.02	84.50
MT5757F4-1BS	73.00	68.02	73.00	68.02	79.00	MT7676G4-1B	85.00	74.02	85.00	74.02	81.00
MT5757G4-1B	81.50	70.52	81.50	70.52	80.50	MT7676G4-1BS	78.50	73.52	78.50	73.52	81.00
MT5757G4-1BS	75.00	70.02	75.00	70.02	80.50	MT7676H4-1B	86.00	75.02	86.00	75.02	82.00
MT5757H4-1B	82.50	71.52	82.50	71.52	81.50	MT7676H4-1BS	79.50	74.52	79.50	74.52	82.00
MT5757H4-1BS	76.00	71.02	76.00	71.02	81.50	MT7676I4-1B	87.00	76.02	87.00	76.02	83.00
MT5757I4-1B	83.00	72.02	83.00	72.02	82.00	MT7676I4-1BS	80.50	75.52	80.50	75.52	83.00
MT5757I4-1BS	76.50	71.52	76.50	71.52	82.00	MT7676J4-1B	88.00	77.02	88.00	77.02	83.50
MT5757J4-1B	83.50	72.52	83.50	72.52	82.50	MT7676J4-1BS	81.50	76.52	81.50	76.52	83.50
MT5757J4-1BS	77.00	72.02	77.00	72.02	82.50	MT7676K4-1B	88.50	77.52	88.50	77.52	84.00
MT6060F4-1B	81.00	70.02	81.00	70.02	79.00	MT7676K4-1BS	82.00	77.02	82.00	77.02	84.00
MT6060F4-1BS	74.50	69.52	74.50	69.52	79.00	MT7676L4-1B	89.50	78.52	89.50	78.52	85.00
MT6060G4-1B	82.00	71.02	82.00	71.02	80.50	MT7676L4-1BS	83.00	78.02	83.00	78.02	85.00

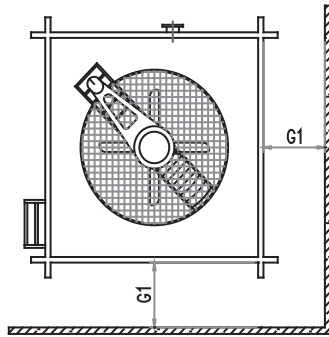


FIGURE : 1

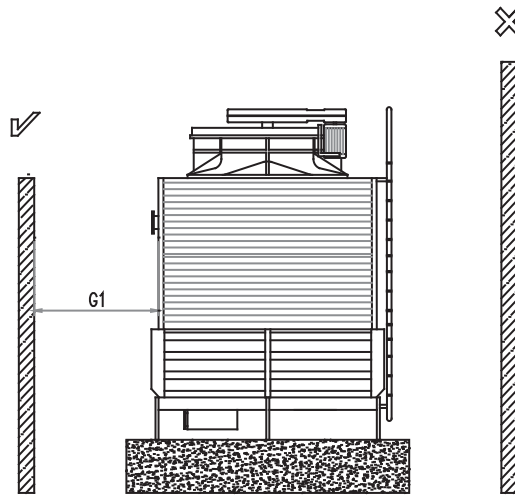


FIGURE : 2

Refer Table 1, for the distance recommended if cooling tower is located near to a wall.

Tower Model MT Series	Recommended Distance (mm)
	G1
2121A-3131E	1500
3333C-3939E	1800
4848D-5757J	2400
6060F-7676L	3000

Table 1: Distance Cooling Tower to Wall

Based on Figure 2, the wall near to the cooling tower is always recommended to be lower than cooling tower. This is to prevent discharge air from cooling tower to recirculate, as this will effect the cooling tower's performance.

It is always preferred, if the wall is a louvered wall, that there should be a 70% net free area and the louver height should not be higher than cooling tower.

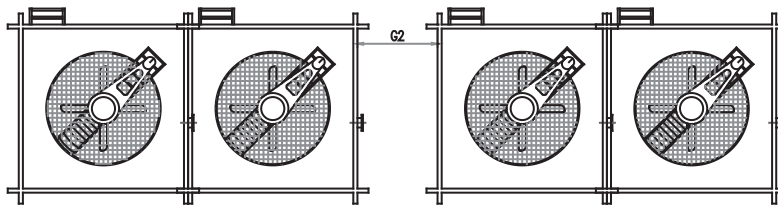


FIGURE 3

Tower Model MT Series	Recommended Distance (mm)
	G2
All Models	1000

Table 2: Distance Cooling in Series Arrangement

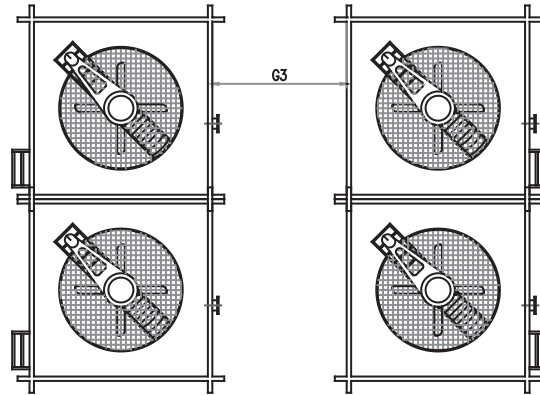


FIGURE 4

Tower Model MT Series	Recommended Distance (mm)	
	G3	
2121A-3939E	3000	
4848D-6060K	4000	
6666G-7676L	5000	

Table 3: Distance Cooling in Parallel Arrangement

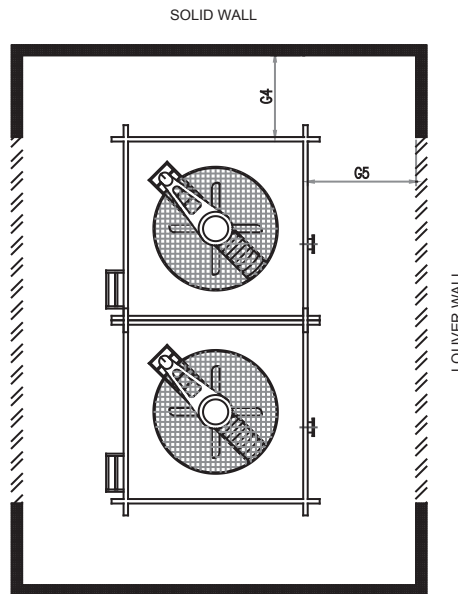


FIGURE 5

Tower Model MT Series	Recommended Distance (mm)	
	G4	G5
2121A-3939E	3000	1500-2000
4848D-6060K	3500	1800-2500
6666G-7676L	4000	2000-3000

Table 4: Distance Cooling between Solid Wall & Louver Wall



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February 26, 2016 (corrected June 2, 2016)
(Revision 0)

Genius Cooling Towers Sdn Bhd
N. 35-2,35-3, Jalan Puteri 4/1,
Bandar Puteri, 47100 Puchong,
Selangor, Malaysia

Subject: CTI Cooling Tower Certification for the
Genius Cooling Towers
Line of MT Series Cooling Towers

Greetings:

The Genius Cooling Towers Sdn Bhd (Genius), line of MT Series induced-draft, counter-flow, cooling towers, as described in your original application and subsequent revisions and clarifications through February 15, 2016, has satisfactorily fulfilled the requirements for certification of thermal performance by the Cooling Technology Institute (CTI), as set forth in the CTI Certification Standard STD-201(15). A listing of the seventy-seven (77) primary single-cell models of the MT Series line of cooling towers presently encompassed by this certification is included with this letter for reference.

The Genius line of MT Series cooling towers has been assigned and should use CTI Certification Validation Number C67A-16R00. You are hereby authorized and encouraged to display the CTI Certification Logo in all pertinent literature and are required to affix the CTI Certification Label on all towers comprising the line, as provided in the Certification Standard.

This CTI Certification requires the successful completion of a CTI Annual Reverification Test on a different model each year to remain in effect in the subsequent year.

Very truly yours,

A handwritten signature in black ink that reads 'Michael Womack'.

Michael G. Womack, PE
CTI Thermal Certification Administrator



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**Genius Cooling Towers Sdn Bhd (Genius)
 MT Series Line of CTI Certified Cooling Towers
 CTI Certification Validation Number C67A-16R00
 February 26, 2016 (Revision 0)**

Primary Single Cell Models

4 Inlet Sides	3 Inlet Sides	2 Inlet Sides	1 Inlet Side
MT2121A4	MT2121A3	MT2121A2	MT2121A1
MT2121B4	MT2121B3	MT2121B2	MT2121B1
MT2121C4	MT2121C3	MT2121C2	MT2121C1
MT2121D4	MT2121D4	MT2121D2	MT2121D1
MT2727B4	MT2727B3	MT2727B2	MT2727B1
MT2727C4	MT2727C3	MT2727C2	MT2727C1
MT2727D4	MT2727D3	MT2727D2	MT2727D1
MT2727E4	MT2727E3	MT2727E2	MT2727E1
MT3131B4	MT3131B3	MT3131B2	MT3131B1
MT3131C4	MT3131C3	MT3131C2	MT3131C1
MT3131D4	MT3131D3	MT3131D2	MT3131D1
MT3131E4	MT3131E3	MT3131E2	MT3131E1
MT3333C4	MT3333C3	MT3333C2	MT3333C1
MT3333D4	MT3333D3	MT3333D2	MT3333D1
MT3333E4	MT3333E3	MT3333E2	MT3333E1
MT3333F4	MT3333F3	MT3333F2	MT3333F1
MT3535C4	MT3535C3	MT3535C2	MT3535C1
MT3535D4	MT3535D3	MT3535D2	MT3535D1
MT3535E4	MT3535E3	MT3535E2	MT3535E1
MT3535F4	MT3535F3	MT3535F2	MT3535F1
MT3939C4	MT3939C3	MT3939C2	MT3939C1
MT3939D4	MT3939D3	MT3939D2	MT3939D1
MT3939E4	MT3939E3	MT3939E2	MT3939E1
MT3939F4	MT3939F3	MT3939F2	MT3939F1
MT3939G4	MT3939G3	MT3939G2	MT3939G1
MT4343C4	MT4343C3	MT4343C2	MT4343C1
MT4343D4	MT4343D3	MT4343D2	MT4343D1
MT4343E4	MT4343E3	MT4343E2	MT4343E1
MT4343F4	MT4343F3	MT4343F2	MT4343F1
MT4343G4	MT4343G3	MT4343G2	MT4343G1
MT4848D4	MT4848D3	MT4848D2	MT4848D1
MT4848E4	MT4848E3	MT4848E2	MT4848E1
MT4848F4	MT4848F3	MT4848F2	MT4848F1
MT4848G4	MT4848G3	MT4848G2	MT4848G1
MT4848H4	MT4848H3	MT4848H2	MT4848H1

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**Genius Cooling Towers Sdn Bhd (Genius)
 MT Series Line of CTI Certified Cooling Towers
 CTI Certification Validation Number C67A-16R00
 February 26, 2016 (Revision 0)**

Primary Single Cell Models

4 Inlet Sides	3 Inlet Sides	2 Inlet Sides	1 Inlet Side
MT5151D4	MT5151D3	MT5151D2	MT5151D1
MT5151E4	MT5151E3	MT5151E2	MT5151E1
MT5151F4	MT5151F3	MT5151F2	MT5151F1
MT5151G4	MT5151G3	MT5151G2	MT5151G1
MT5151H4	MT5151H3	MT5151H2	MT5151H1
MT5151I4	MT5151I3	MT5151I2	MT5151I1
MT5454E4	MT5454E3	MT5454E2	MT5454E1
MT5454F4	MT5454F3	MT5454F2	MT5454F1
MT5454G4	MT5454G3	MT5454G2	MT5454G1
MT5454H4	MT5454H3	MT5454H2	MT5454H1
MT5454I4	MT5454I3	MT5454I2	MT5454I1
MT5454J4	MT5454J3	MT5454J2	MT5454J1
MT5757E4	MT5757E3	MT5757E2	MT5757E1
MT5757F4	MT5757F3	MT5757F2	MT5757F1
MT5757G4	MT5757G3	MT5757G2	MT5757G1
MT5757H4	MT5757H3	MT5757H2	MT5757H1
MT5757I4	MT5757I3	MT5757I2	MT5757I1
MT5757J4	MT5757J3	MT5757J2	MT5757J1
MT6060F4	MT6060F3	MT6060F2	MT6060F1
MT6060G4	MT6060G3	MT6060G2	MT6060G1
MT6060H4	MT6060H3	MT6060H2	MT6060H1
MT6060I4	MT6060I3	MT6060I2	MT6060I1
MT6060J4	MT6060J3	MT6060J2	MT6060J1
MT6060K4	MT6060K3	MT6060K2	MT6060K1
MT6666G4	MT6666G3	MT6666G2	MT6666G1
MT6666H4	MT6666H3	MT6666H2	MT6666H1
MT6666I4	MT6666I3	MT6666I2	MT6666I1
MT6666J4	MT6666J3	MT6666J2	MT6666J1
MT6666K4	MT6666K3	MT6666K2	MT6666K1
MT6666L4	MT6666L3	MT6666L2	MT6666L1

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**Genius Cooling Towers Sdn Bhd (Genius)
 MT Series Line of CTI Certified Cooling Towers
 CTI Certification Validation Number C67A-16R00
 February 26, 2016 (Revision 0)**

Primary Single Cell Models

4 Inlet Sides	3 Inlet Sides	2 Inlet Sides	1 Inlet Side
MT7171G4	MT7171G3	MT7171G2	MT7171G1
MT7171H4	MT7171H3	MT7171H2	MT7171H1
MT7171I4	MT7171I3	MT7171I2	MT7171I1
MT7171J4	MT7171J3	MT7171J2	MT7171J1
MT7171K4	MT7171K3	MT7171K2	MT7171K1
MT7171L4	MT7171L3	MT7171L2	MT7171L1
MT7676G4	MT7676G3	MT7676G2	MT7676G1
MT7676H4	MT7676H3	MT7676H2	MT7676H1
MT7676I4	MT7676I3	MT7676I2	MT7676I1
MT7676J4	MT7676J3	MT7676J2	MT7676J1
MT7676K4	MT7676K3	MT7676K2	MT7676K1
MT7676L4	MT7676L3	MT7676L2	MT7676L1

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**Genius Cooling Towers Sdn Bhd (Genius)
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 CTI Certification Validation Number C67A-16R00
 February 26, 2016 (Revision 0)**

Footnotes:

1. Certification includes optional structural materials:
 - Hot Dipped Galvanized Steel Structure (Standard)
 - Stainless Steel Structure
 - Pultruded FRP Structure
 - Timber structure
2. Certification includes alternate Drive Configurations:
 - Belt and Pulley Drive (Standard)
 - Gear-Reducer Drive
3. Certification includes alternate water inlet configurations, including external and internal inlet piping arrangements.
4. Certification includes optional access provisions not affecting the capacity of certified models including cage-ladder and handrails.
5. Certification includes standard straight, or optional elbow-type exhaust hood.
6. Certification includes optional noise absorbing mats for the basin.
7. Certification includes standard low-noise configuration (no suffix) and optional super-low noise configuration (suffix S)
8. Certification does not include Modified (model with suffix M) Cooling Tower that will affect the thermal performance.

Certified Model Number Example: MT 4848E3-2BS

- MT – Product Line Designation for Counter-flow Cooling Tower
- 4848 – Nominal Box Size
- E – Fan Motor Size
- 3 – Number of Air Inlets per Cell
- -2 – Number of Cells (certified capacity equals 2 times primary cell capacity)
- B – Belt & Pulley / G = Gear Reducer Drive
- S – Suffix Entry
 - I – Internal Piping
 - M – Modification (non-certified)
 - S – Super Low Noise (noise absorbing mats)



The Ultimate Cooling Machine

HQ / Sales Office

Genius Cooling Towers Sdn Bhd (904955-K)

35-2, Jalan Puteri 4/1,
Bandar Puteri 47100 Puchong, Selangor.

Tel : 03-8060 2020

Fax: 03-8060 2000

E-mail: sales@genius.net.my

Website: www.genius.net.my

Penang Office

1st Floor, 2000 Jalan Bukit Minyak,
Kawasan Industri Ringan Asas Jaya,
14000 Bukit Mertajam, Penang.

Tel : 604-5873 652

Fax : 604-5873 910

Email : salespenang@genius.net.my

Factory

Genius Premier Sdn Bhd (656728-A)

Lot 10668, Jalan Permata 1/5,
Arab-Malaysian Industrial Park,
71800 Nilai, Negeri Sembilan, Malaysia.

Tel: 06-7999 131

Fax: 06-7991 880