Dae Hwa Tech	SPECIFICATION SHEET FOR COOLING TOWER	SHEET NO. 1 / 1
Project Name	COOLING TOWER SYSTEM	

GENERATION	
SELECTION	INDUCED DRAFT WATER COOLING TOWER
TOWER MODEL	DHG-CR-400
QUANTITY	1 SET
TYPE	CROSS FLOW TYPE

DESIGN & OPERATING CONDITIONS		*STRUCTURE DETAILS*	
CIRCULATION WATER FLOW.	312 ㎥/HR	NUMBER OF CELLS.	1 CELL
HOT(INLET) WATER TEMP.	37 ℃	FAN BLADES PER CELL.	6 EA
COLD(OUTLET) WATER TEMP.	32 ℃	TOTAL NUMBER OF FAN BLADES.	6 EA
WET BULB TEMP.	27 ℃	NOMINAL CELL DIMENSION.	5.800 x 2.836M
TEMP DIFFERENTIAL.	5 ℃	OVERALL TOWER DIMENSION.	5.800 x 2.836M
NOMINAL CAPACITY.	1560000 Kcal/HR	FAN STACK HEIGHT.	0.680 M
DRIFT LOSS % OF CIR. FLOW	0.001%	OVERALL TOWER HEIGHT.	3.360 M
EVAPORATION LOSS(AT DESIGN)%	0.83%	HEIGHT INLET ABOVE BASIN, CURB	2.680 M
DESIGN WIND LOAD, Kg/mm	-	HOT WATER INLET DIA.	150A x 2 EA
WING VELOCITY, m/sec	-	COLD WATER OUTLET DIA.	250A x 1 EA
TOWER EXPOSURE.	OPEN	OVERFLOW DIA.	80A x 1 EA
NET WEIGHT.	2790 KG	DRAIN DIA.	80A x 1 EA
OPERATING WEIGHT.	7240 KG	AUTO. MAKE-UP WATER DIA.	50A x 1 EA
		MANUAL MAKE-UP WATER DIA.	50A x 1 EA
		CONECTER FLANGE	KS 10 kg/cm^2

MATERIALS OF CONSTRUCTION		*FANS*	
FRAME.	SS400+H.D.G	MODEL.	AXIAL FLOW
CASING.	F.R.P	TYPE.	ADJUSTABLE
FILLER & ELIMINATOR.	P.V.C	MANUFACTURE.	Dae Hwa Tech
FAN STACK.	F.R.P	NUMBER.	1
LOUVER.	A.B.S	TOTAL FAN BLADES.	6 EA
PARTITION.	NONE	DIAMETER.	2400 mm
FAN DECK.	F.R.P	FAN SPEED.	486.1 R.P.M
HOT WATER BASIN.	F.R.P	BLADE MATERIAL.	F.R.P
COLD WATER BASIN.	F.R.P	HUB MATERIAL.	AL+ALLOY
SPARY NOZZLES.	P.P	AIR VOLUME PER CELL.	2629 CMM
LADDER.	S.P.P.W+H.D.G		
STRUCTURE CONNECTORS.	SS400+H.D.G		
ANCHOR CONNECTORS.	SS41+H.D.G		

SPEED REDUCER		*MOTOR*	
TYPE / MODEL.	V-BELT	TYPE.	T.E.F.C
MANUFACTURE.	Dae Hwa Tech	MANUFACTURE.	현대 or LG or 효성
NUMBER.	1	NUMBER.	1
MOTOR PULLEY DIA.	5.5 (INCH)	FULL LOAD SPEED.	1750 R.P.M
REDUCER PULLEY DIA.	20 (INCH)	MOTOR POWER.	15 HP x 4 P
REDUCTION RATIO.	3.6 : 1	INSULATION CLASS.	F
NO. OF REDUCTION.	1	PHASE.	3 φ
		CYCLES.	60 HZ
		VOLTAGE.	220/380/440V

ADDITIONAL DATA

DOC. NO.		REV. : 0