

		SPECIFICATION SHEET FOR COOLING TOWER		SHEET NO.	
Dae Hwa Tech				1 / 1	
Project Name		COOLING TOWER SYSTEM			
GENERATION					
SELECTION		INDUCED DRAFT WATER COOLING TOWER			
TOWER MODEL		DHG-CU-150			
QUANTITY		1 SET (1 BODY 1 CELL)			
TYPE		COUNTER FLOW TYPE			
DESIGN & OPERATING CONDITIONS			STRUCTURE DETAILS		
CIRCULATION WATER FLOW.		117 m ³ /HR	NUMBER OF CELLS.		1 CELL
HOT(INLET) WATER TEMP.		37 °C	FAN BLADES PER CELL.		4 EA
COLD(OUTLET) WATER TEMP.		32 °C	TOTAL NUMBER OF FAN BLADES.		4 EA
WET BULB TEMP.		27 °C	NOMINAL CELL DIMENSION.		2.37 x 2.37M
TEMP DIFFERENTIAL.		5 °C	OVERALL TOWER DIMENSION.		2.37 x 2.37M
NOMINAL CAPACITY.		585000 Kcal/HR	FAN STACK HEIGHT.		0.800 M
DRIFT LOSS % OF CIR. FLOW		0.001%	OVERALL TOWER HEIGHT.		3.170 M
EVAPORATION LOSS(AT DESIGN)%		0.83%	HEIGHT INLET ABOVE BASIN, CURB		2.065 M
DESIGN WIND LOAD, Kg/mm		-	HOT WATER INLET DIA.		150A x 1 EA
WING VELOCITY, m/sec		-	COLD WATER OUTLET DIA.		150A x 1 EA
TOWER EXPOSURE.		OPEN	OVERFLOW DIA.		50A x 1 EA
NET WEIGHT.		970 KG	DRAIN DIA.(w/Plug)		50A x 1 EA
OPERATING WEIGHT.		2500 KG	AUTO. MAKE-UP WATER DIA.		32A x 1 EA
			MANUAL MAKE-UP WATER DIA.		32A 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 SET
LOUVER.		P.V.C	TOTAL FAN BLADES.		4 EA
PARTITION.		NONE	DIAMETER.		1600 mm
FAN DECK.		F.R.P	FAN SPEED.		547. R.P.M
HOT INLET PIPE		P.V.C & P.E	BLADE MATERIAL.		F.R.P
COLD WATER BASIN.		F.R.P	HUB MATERIAL.		AL+ALLOY
SPARY NOZZLES.		P.P	AIR VOLUME PER CELL.		986 CMM
LADDER.		S.P.P+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.		HYUNDAI or LG
NUMBER.		1 SET	NUMBER.		1 SET
MOTOR PULLEY DIA.		5 INCH	FULL LOAD SPEED.		1750 R.P.M
REDUCER PULLEY DIA.		16 INCH	MOTOR POWER.		5 HP x 4 P
REDUCTION RATIO.		3.2 : 1	INSULATION CLASS.		F
NO. OF REDUCTION.		1	PHASE.		3 φ
			CYCLES.		60 HZ
			VOLTAGE.		220/380/440V
ADDITIONAL DATA					
DOC. NO.				REV. : 0	