

 DAE HWA TECH	SPECIFICATION SHEET FOR COOLING TOWER	SHEET NO. 1 / 3
	Project Name	COOLING WATER SYSTEM
INFORMATION		
All data set forth herein is in accordance with definitions and standards Published by the Cooling Tower Institute. Symbol * = minimum information to be filled - in by customer, other items may be specified at customer's option.		
GENERATION		
SELECTION TOWER MODEL TYPE	INDUCED DRAFT WATER COOLING TOWER DHG-RO-180 F.R.P ROUND(COUNTER FLOW) TYPE	
DESIGN & OPERATING CONDITIONS		
* Circulating Water Flow, M ³ /HR * Hot(inlet) Water Temp. °C * Cold(outlet) Water Temp. °C Wet Bulb Temp. Inlet °C Ambient Temp. °C Relative Humidity % Tower Pump Head, M Nominal Capacity, Kcal/Hr Drift Loss, % of circulating flow Evaporation Loss(at design), % * Tower Site(ground level,roof,etc.) * Elevation Above Sea Level, M * Tower Exposure	140.4 37 32 27 - - - 702,000 0.01 0.83 GROUND - NONE	
PHYSICAL DETAILS		
Number of Cells Upper Body, Piece Center Body, Piece Under Body, Piece Overall Tower Dimension, DIA.(Φ)× H, mm Water Basin Dimension, B.C.D(Φ), mm Access to Top of Tower Shipping Weight, Kg Operating Weight, Kg	1 4 4 4 3300 × 3480 2938 LADDER 971 1856	
DOC. NO.	REV.: A	



DAE HWA TECH

SPECIFICATION SHEET FOR COOLING TOWER

SHEET NO.

2 / 3

Project Name

COOLING WATER SYSTEM

MATERIALS OF CONSTRUCTION

Frame work Members	
Casing	F.R.P 5t
Filler	P.P 0.4t
Filler Support	SS400+H.D.G
Drift Eliminators	F.R.P
Water Distribution - Type	Sprinkler Pipe
Material	P.V.C
Center Pipe	S.G.P+H.D.G
Suction Tank	SS400+H.D.G
Motor Support	SS400+H.D.G
Support Frame	SS400+H.D.G
Leg	SS400+H.D.G
Ladder	S.G.P+H.D.G

WATER PIPING CONSTRUCTION

Water Inlet	Number	1
	Size	150A
	Height	기초로부터 INLET 중심부까지 170mm
Water Outlet	Number	1
	Size	150A
	Height	기초로부터 OUTLET 중심부까지 170mm
Center pipe	Number	1
	Size	150A
Suction Tank	Number	1
	Size	Φ 300
Sprinkler	Number	1
	Size	150A
Sprinkler Pipe	Number	6
	Size	65A
Drain	Number	1
	Size	40A
Overflow	Number	1
	Size	50A
Auto. Make-up	Number	1
	Size	25A
Manual Make-up	Number	1
	Size	25A

DOC. NO.

REV. : A



DAE HWA TECH

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SHEET NO.

3 / 3

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MECHANICAL EQUIPMENT**FANS**

Number	1
Type	ADJUSTABLE PITCH AXIAL FLOW
Manufacturer	DAE HWA TECH
Diameter(Φ). mm	1800
Number of Blades	4
Blade Material	F.R.P
Hub Material	AL+ALLOY
Fan Speed, R.P.M.	502.9
Air Volume, m ³ /min	1200
Fan Total Efficiency(%)	65

SPEED REDUCER

Number	1
Type	V-BELT(B32" x 5EA)
Model	DCT-DHG-RO-180
Manufacturer	DAE HWA TECH
Reduction Ratio	3.48 : 1
AGMA Mechanical H.P Rating	-
Service Factor at Rated H.P. of Driver	1.2
No. of Reductions	2

DRIVE

Number	1
Kind	SQUIRREL CAGE INDUCTION MOTOR
Type	T.E.F.C
Manufacturer	MAKER STD.
Full Load Speed, R.P.M	1750
Elec. Char - phase / cycles / volt	3/60/220/380/440 "F" CLASS, IP54
Rated H.P	7.5HP x 4P

ADDITIONAL DATA

DOC. NO.

REV.: A