



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	INDUCED DRAFT WATER COOLING TOWER
TOWER MODEL	DHG-RO-100
TYPE	F.R.P ROUND(COUNTER FLOW) TYPE

DESIGN & OPERATING CONDITIONS

* Circulating Water Flow, M ³ /HR	78
* Hot(inlet) Water Temp. °C	37
* Cold(outlet) Water Temp. °C	32
Wet Bulb Temp. Inlet °C	27
Ambient Temp. °C	-
Relative Humidity %	-
Tower Pump Head, M	-
Nominal Capacity, Kcal/Hr	390,000
Drift Loss, % of circulating flow	0.01
Evaporation Loss(at design), %	0.83
* Tower Site(ground level,roof,etc.)	GROUND
* Elevation Above Sea Level, M	-
* Tower Exposure	NONE

PHYSICAL DETAILS

Number of Cells	1
Upper Body, Piece	4
Center Body, Piece	4
Under Body, Piece	4
Overall Tower Dimension, DIA.(Φ)× H, mm	3135 × 3220
Water Basin Dimension, B.C.D(Φ), mm	2582
Access to Top of Tower	LADDER
Shipping Weight, Kg	675
Operating Weight, Kg	1362

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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	125A
	Height	기초로부터 INLET 중심부까지 200mm
Water Outlet	Number	1
	Size	125A
	Height	기초로부터 OUTLET 중심부까지 200mm
Center pipe	Number	1
	Size	125A
Suction Tank	Number	1
	Size	Φ 250
Sprinkler	Number	1
	Size	125A
Sprinkler Pipe	Number	4
	Size	65A
Drain	Number	1
	Size	25A
Overflow	Number	1
	Size	40A
Auto. Make-up	Number	1
	Size	25A
Manual Make-up	Number	1
	Size	25A

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MECHANICAL EQUIPMENT**FANS**

Number	1
Type	AXIAL FLOW
Manufacturer	DAE HWA TECH
Diameter(Φ). mm	1200
Number of Blades	6
Blade Material	AL+ALLOY
Hub Material	-
Fan Speed, R.P.M.	860
Air Volume, m ³ /min	700
Fan Total Efficiency(%)	65

SPEED REDUCER

Number	-
Type	-
Model	-
Manufacturer	-
Reduction Ratio	-
AGMA Mechanical H.P Rating	-
Service Factor at Rated H.P. of Driver	-
No. of Reductions	-

DRIVE

Number	1
Kind	SQUIRREL CAGE INDUCTION MOTOR
Type	T.E.F.C
Manufacturer	MAKER STD.
Full Load Speed, R.P.M	900
Elec. Char - phase / cycles / volt	3/60/220/380/440 "F" CLASS, IP54
Rated H.P	3HP x 8P

ADDITIONAL DATA

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