



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	DCT-30R
TYPE	F.R.P ROUND(COUNTER FLOW) TYPE

DESIGN & OPERATING CONDITIONS

* Circulating Water Flow, M ³ /HR	23.4
* 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	117,000
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	1
Center Body, Piece	1
Under Body, Piece	1
Overall Tower Dimension, DIA.(Φ)× H, mm	1395 × 2010
Water Basin Dimension, B.C.D(Φ), mm	900
Access to Top of Tower	-
Shipping Weight, Kg	220
Operating Weight, Kg	380

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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	-
Water Distribution - Type	Sprinkler Pipe
Material	P.V.C
Center Pipe	P.V.C
Suction Tank	-
Motor Support	SS400+H.D.G
Support Frame	-
Leg	-
Ladder	-

WATER PIPING CONSTRUCTION

Water Inlet	Number	1
	Size	65A
	Height	기초로부터 INLET 중심부까지 160mm
Water Outlet	Number	1
	Size	65A
	Height	기초로부터 OUTLET 중심부까지 160mm
Center pipe	Number	1
	Size	65A
Suction Tank	Number	-
	Size	-
Sprinkler	Number	1
	Size	65A
Sprinkler Pipe	Number	4
	Size	25A
Drain	Number	1
	Size	25A
Overflow	Number	1
	Size	25A
Auto. Make-up	Number	1
	Size	20A
Manual Make-up	Number	-
	Size	-

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MECHANICAL EQUIPMENT**FANS**

Number	1
Type	AXIAL FLOW
Manufacturer	DAE HWA TECH
Diameter(Φ). mm	800
Number of Blades	4
Blade Material	AL+ALLOY
Hub Material	-
Fan Speed, R.P.M.	1140
Air Volume, m ³ /min	230
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	1200
Elec. Char - phase / cycles / volt	3/60/220/380/440 "F" CLASS, IP54
Rated H.P	1HP x 6P

ADDITIONAL DATA

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