

※ 직교류 저소음형 냉각탑 (CROSS FLOW - LOW NOISE TYPE COOLING TOWER)

List	Model	Unit	ACT-R SERIES														
			ACT-422220L	ACT-422220S	ACT-442420L	ACT-442420S	ACT-482421L	ACT-482421S	ACT-522821L	ACT-522821S	ACT-522824L	ACT-522824S	ACT-593724L	ACT-593724S	ACT-593730L	ACT-594033L	ACT-594033S
DESIGN	Water Flow Rate	m <sup>3</sup> /hr	80	100	125	150	175	200	225	250	300	350	375	400	450	475	500
	Heat Load	Kcal/hr	400,000	500,000	625,000	750,000	875,000	1,000,000	1,125,000	1,250,000	1,500,000	1,750,000	1,875,000	2,000,000	2,250,000	2,375,000	2,500,000
	Design Condition	°C	37 (Water Inlet Temp.) - 32 (Water Outlet Temp.) / 28 (Wet Bulb Temp.)														
	Water Flow Rate	m <sup>3</sup> /hr	91.3	114.12	145.65	171.18	199.91	228.24	256.77	285.3	342.36	399.42	427.95	456.48	513.54	542.07	570.6
	Heat Load	Kcal/hr	456,500	570,600	728,250	855,900	999,550	1,141,200	1,283,850	1,426,500	1,711,800	1,997,100	2,139,750	2,282,400	2,567,700	2,710,350	2,853,000
	Design Condition	°C	37 (Water Inlet Temp.) - 32 (Water Outlet Temp.) / 27 (Wet Bulb Temp.)														
SIZE	Width(W)	mm	4,200		4,400		4,800		5,200			5,900					
	Length(L)	mm	2,200		2,400				2,800			3,700			4,000		
	Overall Height	mm	3,730		3,780		3,880		3,940		4,240	4,260	4,450		5,050	5,350	
	Height	mm	2,970		2,990		3,090			3,390			3,990		4,290		
FAN PART	FAN	Diameter	1,800		2,000				2,400			3,000					
		Type & Drive Sys.	Axial-Flow & V-Belt														
	MOTOR	Type & Drive Sys.	Total Enclosed fan-cooled / 3 Phase / 4-Pole														
		Power Source	3 Phase 220V/380V/440V														
	Rate Output	KW	2.2 x 1		4 x 1		5.5 x 1		7.5 x 1		11 x 1	15 x 1	18.5 x 1	15 x 1	18.5 x 1		22 x 1
MATERIAL	Casing / Cold Water Basin / Fan Stack		F.R.P														
	Framework		STEEL (Hot-Dip Galvanized)														
	Fill/Eliminator/Louver		P.V.C														
	Distribution Basin		F.R.P														
	Cold Water Basin		F.R.P														
	Fan		ALUMINUM or Eq.														
	Fan Stack		F.R.P														
	Nozzle		P.P														
PIPING	Water Inlet		100A x 2			125A x 2				150A x 2				200A x 2			
	Water Outlet		150A x 1			200A x 1				250A x 1				300A x 1			
	Drain		50A x 1			80A x 1											
	Over Flow		50A x 1			80A x 1											
	Make-Up(Auto)		32A x 1						50A x 1								
	Make-Up(Manual)		32A x 1						50A x 1								
	LOSS	EVAPORATION LOSS		%													
DRIFT LOSS		%															

※ 직교류 저소음형 냉각탑 (CROSS FLOW - ULTRA LOW NOISE TYPE COOLING TOWER)

Model		Unit	ACT-RU SERIES										
			ACT-422220UL	ACT-442420UL	ACT-482421UL	ACT-522821UL	ACT-522824UL	ACT-522830UL	ACT-593724UL	ACT-593730UL	ACT-594033UL	ACT-664430UL	
DESIGN	Water Flow Rate	m <sup>3</sup> /hr	80	100	150	200	250	300	350	400	450	500	
	Heat Load	Kcal/hr	400,000	500,000	750,000	1,000,000	1,250,000	1,500,000	1,750,000	2,000,000	2,250,000	2,500,000	
	Design Condition	°C											
	Water Flow Rate	m <sup>3</sup> /hr	91.3	114.12	171.18	228.24	285.3	342.36	399.42	456.48	513.54	570.6	
	Heat Load	Kcal/hr	456,500	570,600	855,900	1,141,200	1,426,500	1,711,800	1,997,100	2,282,400	2,567,700	2,853,000	
	Design Condition	°C											
SIZE	Width(W)	mm	4,200	4,400	4,800	5,200			5,900			6,600	
	Length(L)	mm	2,200	2,400		2,800			3,700		4,000	4,400	
	Overall Height	mm	3,730	3,780	3,880	3,940	4,240	4,840	4,450	5,050	5,350	5,290	
	Height	mm	2,970	2,990	3,090		3,390	3,990	3,390	3,990	4,290	4,070	
FAN PART	FAN	Diameter	mm	1,800	2,000		2,400			3,000			3,650
		Type & Drive Sys.	Axial-Flow & V-Belt										
	MOTOR	Type & Drive Sys.	Total Enclosed fan-cooled / 3 Phase / 4-Pole										
		Power Source	3 Phase 220V/380V/440V										
	Rate Output	KW	2.2 x 1		4 x 1	5.5 x 1	11 x 1		15 x 1		18.5 x 1		
MATERIAL	Casing / Cold Water Basin / Fan Stack		F.R.P										
	Framework		STEEL (Hot-Dip Galvanized)										
	Fill/Eliminator/Louver		P.V.C										
	Distribution Basin		F.R.P										
	Cold Water Basin		F.R.P										
	Fan		ALUMINUM or Eq.										
	Fan Stack		F.R.P										
	Nozzle		P.P										
PIPING	Water Inlet		100A x 2		125A x 2		150A x 2			200A x 2			
	Water Outlet		150A x 1		200A x 1		250A x 1			300A x 1			
	Drain		50A x 1		80A x 1								
	Over Flow		50A x 1		80A x 1								
	Make-Up(Auto)		32A x 1				50A x 1						
	Make-Up(Manual)		32A x 1				50A x 1						
LOSS	EVAPORATION LOSS		%		0.83								
	DRIFT LOSS		%		0.005								