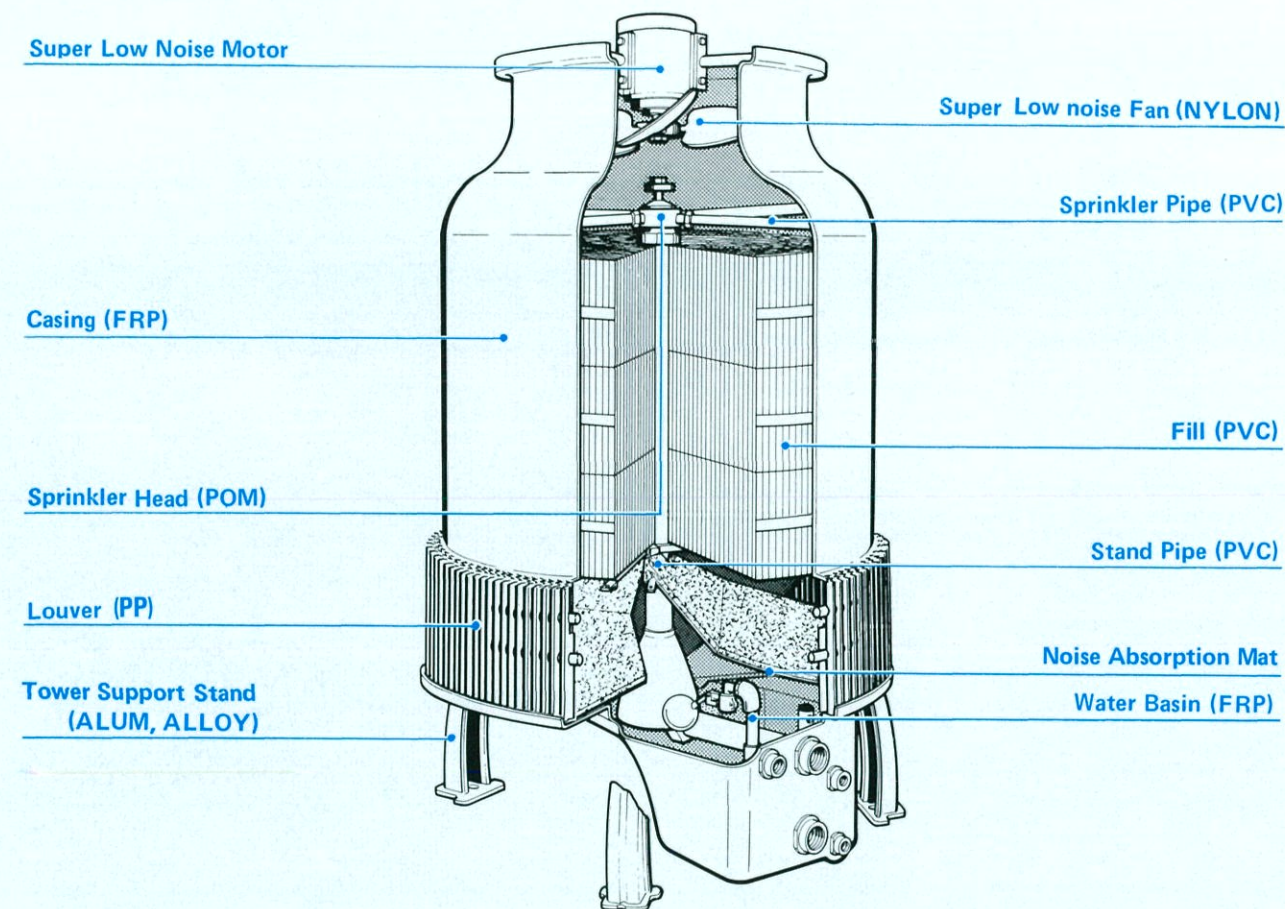


BOTTLE TYPE COOLING TOWER

Structural detail SBC15ESS Model (Super Low Noise)



Note: () indicates material used.

FEATURES

With our own technology, we have achieved energy conservation and noise reduction (ES·ESS-Model)

Fan blade contour, angle, air flow quantity, all these factors were taken into consideration in pursuit of and to achieve the lowest possible noise.

At the same time, we have developed powerful motor of low output as well as low noise, and succeeded in superbly low noise and economical performance.

Low noise fan is used on ES Models as well.

With its rationally designed fan blade contour, it generates big air flow quantity with low noise, without carry-over.

Fan motor operates with lower output than the conventional one and is very economical.

Free from rust, FRP finishing brings about uniform quality.

Casing and water Basin are made of rigid FRP (Fiber glass Reinforced Polyester), eliminating corrosion which is the biggest enemy of cooling tower. It is lightweight and superbly durable.

Modeled with Shinwa's originality, it is uniform quality because of hot press processing and is very reliable.

Highly efficient fills for heat exchange.

The PVC (Polyester Vinyl Chloride) fill Shinwa developed for counter flow cooling tower is flame resistant and has very high heat exchange performance. The specially combined material makes it durable and withstands chemical reaction.

Shinwa's unique sprinkler system (with eliminator to prevent carry-over), ensures maximum performance capability of fills.

Sprinkler which automatically rotates at low water pressure gives least carry-over and uniform distribution of circulating water to the fills.

It ensures maximum performance capability.

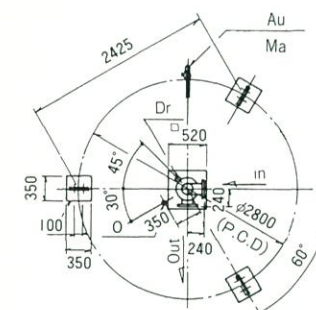
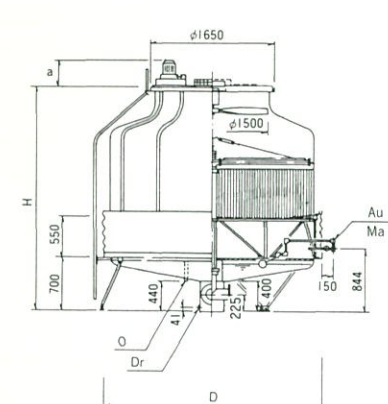
Completely eliminates water dripping noise and water splash. (ES·ESS-Model)

The special noise-absorption mat absorbs the noise of water dripping into the water basin, while also preventing water splash out of cooling tower.

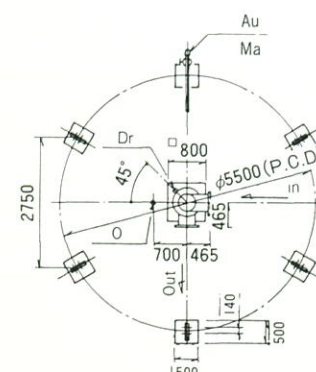
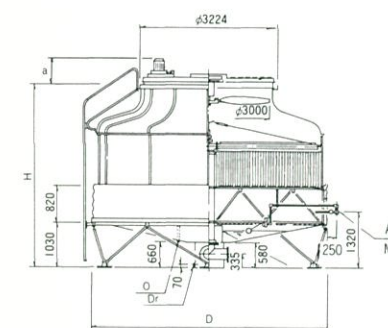
Provided however, 600ES through 1000ES are not provided with this mat.

Overall dimension(Suggested foundation drawing)

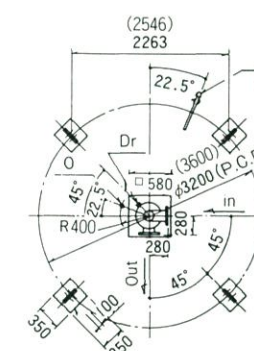
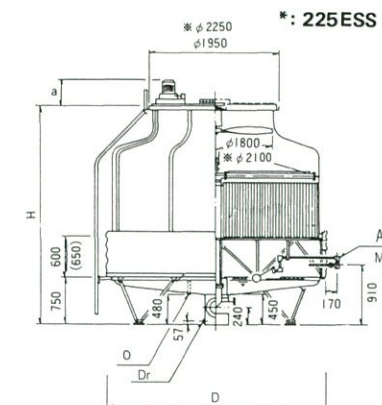
100-125E,ES,ESS



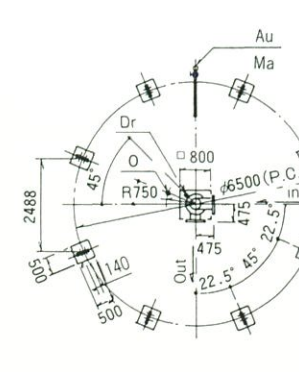
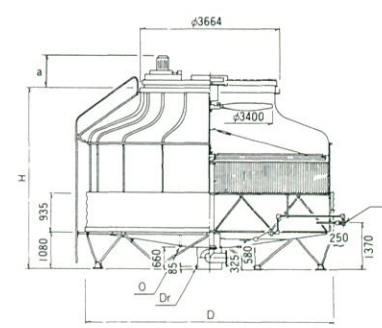
400-500E,ES,ESS



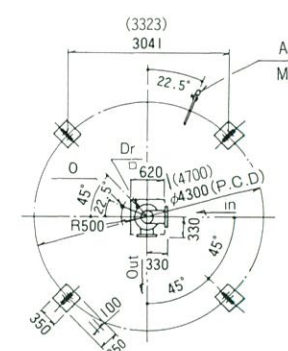
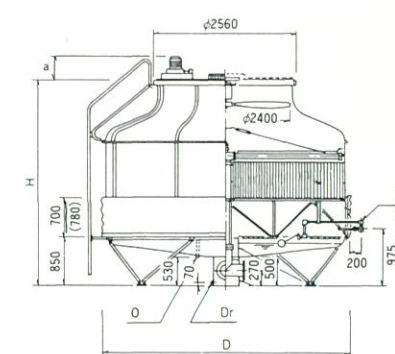
150-175-200-225 E,ES,ESS



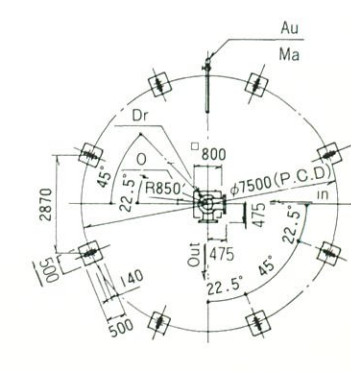
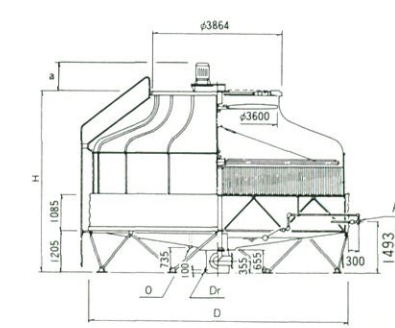
600-700ES,ESS



250-300-350E,ES,ESS



800-1000ES,ESS



Note: Basic measurements will be different when using vibration absorption equipment.

Specification data according to models (Small)
Noise value [3PH/200/220V,50/60Hz]
SBC-E Model (Standard type)

Model	Dimension (mm)				Pipings (mm)					Fan Dφ(mm)	Motor		Wt. (kg)		Noise Value dB (A)					Max. Point
	H	D	h	a	In	Out	O	Dr	Au		kW	P	dry	wet	Fan 45° Dm Point	2m	Dm	16m	Dm	
2E	1045	590	700	90	25	25	20	20	15	300	0.05	4	16	34	56.5	55	57	38.5	1.5	
3E	1045	590	700	90	25	25	20	20	15	300	0.05	4	17	35	58	56	58	39.5	1.5	
5E	1340	750	870	90	40	40	25	25	15	400	0.1	6	30	74	59	57	59	40.5	1.5	
8E	1575	860	1080	110	40	40	25	25	15	500	0.15	6	41	100	60	55.5	57.5	40	1.5	
10E	1575	860	1080	110	40	40	25	25	15	500	0.15	6	43	102	61	56	58	40	1.5	
15E	1517	1150	905	125	50	50	25	25	15	600	0.4	6	66	141	63.5	59	61	43	1.5	
20E	1837	1150	1225	125	50	50	25	25	15	600	0.4	6	87	162	64.5	59.5	61.5	44.5	1.5	
30E	2170	1620	1330	170	80	80	25	25	15	900	0.75	6	139	309	73	67	68.5	53	1.5	
40E	2170	1620	1330	170	80	80	25	25	15	900	1.5	6	150	320	74	68	69.5	54	1.5	
50E	2298	1910	1413	140	80	80	40	25	20	900	1.5	6	205	475	74	68	69	54.5	1.7	
60E	2519	2110	730	300	100	100	40	40	20	1200	1.5	8	318	708	75	69.5	70	56	1.9	
80E	2999	2110	1210	334	100	100	40	40	20	1200	1.8	4	402	792	78.5	71	71.5	58	1.9	

SBC-ES Model (Low noise type)

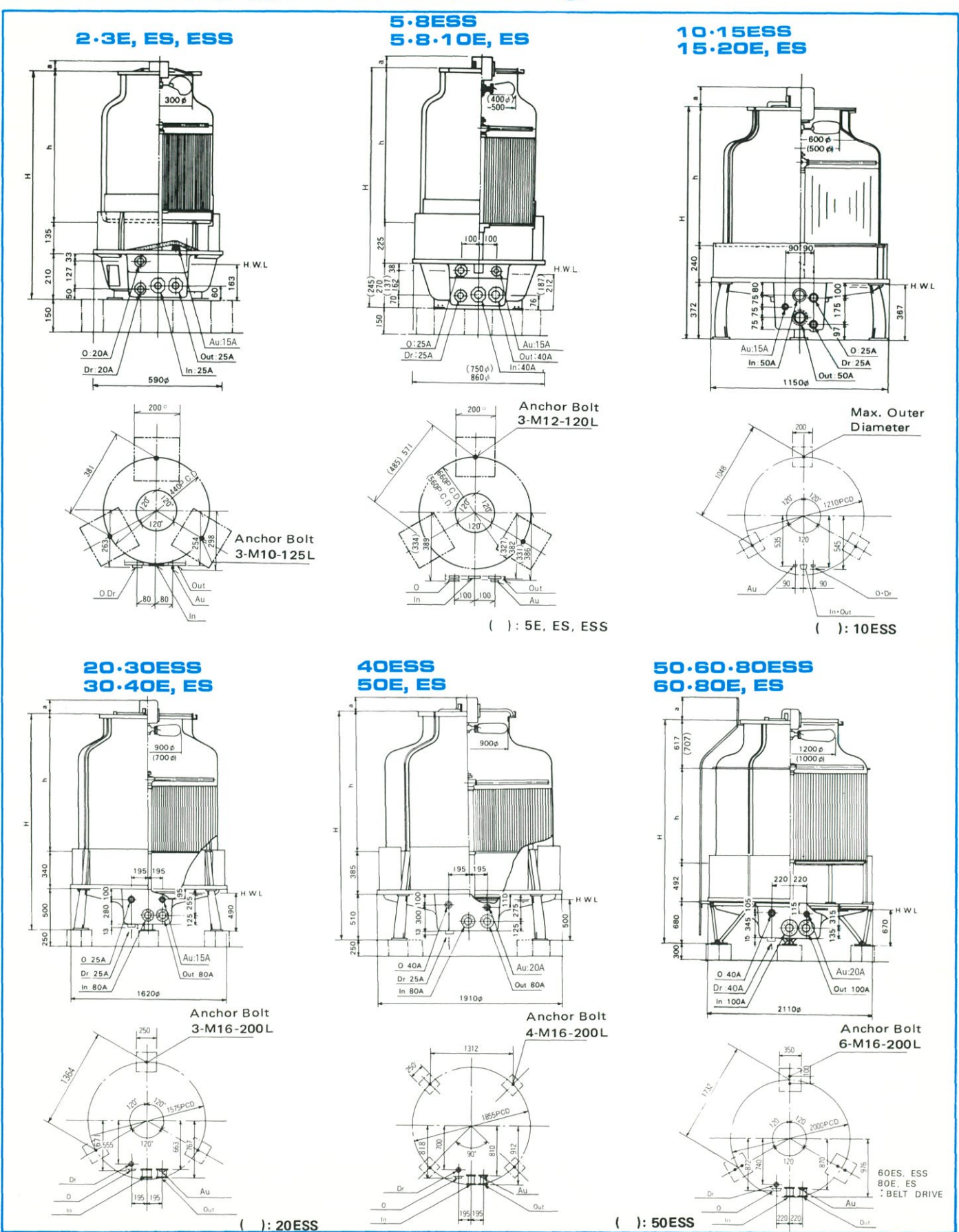
Model	Dimension (mm)				Pipings (mm)					Fan Dφ(mm)	Motor		Wt. (kg)		Noise Value dB (A)					Max. Point
	H	D	h	a	In	Out	O	Dr	Au		kW	P	dry	wet	Fan 45° Dm Point	2m	Dm	16m	Dm	
2ES	1045	590	700	90	25	25	20	20	15	300	0.05	4	17	35	46.5	44	46	27.5	1.5	
3ES	1045	590	700	90	25	25	20	20	15	300	0.05	4	18	36	47.5	45	47	28.5	1.5	
5ES	1340	750	870	90	40	40	25	25	15	400	0.1	6	32	76	49.5	47	49	30.5	1.5	
8ES	1575	860	1080	110	40	40	25	25	15	500	0.15	6	42	101	53.5	49.5	51	33.5	1.5	
10ES	1575	860	1080	110	40	40	25	25	15	500	0.15	6	44	103	54.5	50.5	52	34.5	1.5	
15ES	1517	1150	905	125	50	50	25	25	15	600	0.4	6	68	143	57	52.5	54	36.5	1.5	
20ES	1837	1150	1225	125	50	50	25	25	15	600	0.4	6	89	164	57.5	53	54.5	38	1.5	
30ES	2170	1620	1330	140	80	80	25	25	15	900	0.75	8	153	323	62	55.5	57	41.5	1.5	
40ES	2170	1620	1330	140	80	80	25	25	15	900	1.5	8	168	338	63	57	58	42.5	1.5	
50ES	2298	1910	1413	140	80	80	40	25	20	900	1.5	8	218	488	65	58	59	44.5	1.7	
60ES	2519	2110	730	334	100	100	40	40	20	1200	1.5	4	374	764	64	58	58.5	44.5	1.9	
80ES	2999	2110	1210	334	100	100	40	40	20	1200	1.8	4	422	812	66	59.5	60	46.5	1.9	

SBC-ESS Model (Super low noise type)

Model	Dimension (mm)				Pipings (mm)					Fan Dφ(mm)	Motor		Wt. (kg)		Noise Value dB (A)					Max. Point
	H	D	h	a	In	Out	O	Dr	Au		kW	P	dry	wet	Fan 45° Dm Point	2m	Dm	16m	Dm	
2ESS	1045	590	700	90	25	25	20	20	15	300	0.015	4	17	35	41.5	39	41	22.5	1.5	
3ESS	1045	590	700	90	25	25	20	20	15	300	0.04	4	18	36	42.5	40	42	23.5	1.5	
5ESS	1340	750	870	90	40	40	25	25	15	400	0.1	6	33	77	44	41.5	43.5	25	1.5	
8ESS	1575	860	1080	110	40	40	25	25	15	500	0.15	8	48	107	46	42	44	26	1.5	
10ESS	1517	1150	905	100	50	50	25	25	15	500	0.15	8	74	149	47.5	43	45	27	1.5	
15ESS	1837	1150	1225	120	50	50	25	25	15	600	0.25	8	85	160	49.5	43.5	45	28.5	1.5	
20ESS	2170	1620	1330	85	80	80	25	25	15	700	0.36	8	144	314	53	46	47.5	32	1.5	
30ESS	2170	1620	1330	155	80	80	25	25	15	900	0.5	10(12)	166	336	55.5	48.5	50	34.5	1.5	
40ESS	2298	1910	1413	145	80	80	40	25	20	900	0.75	10(12)	220	490	56	49.5	50.5	36	1.7	
50ESS	2500	2110	730	300	100	100	40	40	20	1000	1.0	10(12)	360	750	57	50.5	51	37	1.9	
60ESS	2519	2110	730	334	100	100	40	40	20	1200	1.5	4	375	765	59.5	53	53	39.5	1.9	
80ESS	2999	2110	1210	300	100	100	40	40	20	1200	1.5	12(14)	430	820	60.5	54	54	41	1.9	

H: Tower height, D: Diameter, h: Casing height, a: Motor height, In: Water inlet, Out: Water outlet, O: Overflow, Dr: Drain, Au: Automatic fill
Nominal cooling capacity is based on 13ℓ/min/RT (1RT=3,900 kcal/h) at 37°C (Inlet Water Temp.), 32°C (Outlet Water Temp.), 27°C (Ambient W.B. Temp.)
We are prepared to accept various type of motor voltages such as 380V, 400V, 415V and others.
Noise value indicated is at 50Hz area. At 60Hz area, value is applicable for SBC-60, 80ES and SBC-30~ 80ESS models.
An increase of approx. 3 phone for other models.

Overall dimension(Suggested foundation drawing)



Specification data according to models (Large)
Noise value [3PH/200/220V,50/60Hz]
SBC-E Model (Standard type)

Item	Dimension (mm)			Pipings (mm)						Fan	Motor		Wt. (kg)		Noise Value dB (A)					Meas. Point
Model	H	D	a	In	Out	O	Dr	Au	Ma	D _φ	kW	P	dry	wet	Fan 45° Dm Point	2m	Dm	16m	Dm	
100E	2965	2900	387	125	125	50	50	20	20	1500	2.2	4	660	1540	78	70.5	69	58.5	2.7	
125E	2965	2900	416	125	125	50	50	20	20	1500	3.7	4	680	1560	79.5	71	70	59.5	2.7	
150E	3235	3300	406	150	150	80	80	25	25	1800	3.7	4	880	2105	80	72	70.5	61	3.1	
175E	3235	3300	462	150	150	80	80	25	25	1800	5.5	4	920	2145	80.5	73.5	72	62	3.1	
200E	3235	3300	462	150	150	80	80	25	25	1800	5.5	4	980	2210	80	74.5	72.5	62	3.1	
225E	3435	3700	477	150	150	80	80	25	25	1800	5.5	4	1030	2590	80.5	74.5	72	62.5	3.5	
250E	3660	4400	472	200	200	100	100	25	25	2400	5.5	4	1500	3715	77	73	70	62	4.2	
300E	3660	4400	472	200	200	100	100	32	32	2400	5.5	4	1580	3800	77	73.5	70.5	62	4.2	
350E	3950	4800	510	200	200	100	100	40	40	2400	7.5	4	1750	4105	78	74	70.5	63	4.6	
400E	4250	5580	707	250	250	100	100	40	40	3000	11	4	2920	5820	80.5	75	71.5	65.5	5.2	
500E	4650	5580	707	250	250	100	100	50	50	3000	11	4	3340	6240	81	75.5	72	66	5.2	

SBC-ES Model (Low noise type)

Item	Dimension (mm)			Pipings (mm)						Fan	Motor		Wt. (kg)		Noise Value dB (A)				Meas. Point
Model	H	D	a	In	Out	O	Dr	Au	Ma	D _φ (mm)	kW	P	dry	wet	Fan 45° Dm Point	2m	Dm	16m	Dm
100ES	2965	2900	387	125	125	50	50	20	20	1500	2.2	4	680	1560	66	60.5	59	47.5	2.7
125ES	2965	2900	416	125	125	50	50	20	20	1500	3.7	4	730	1615	67.5	61.5	60.5	49	2.7
150ES	3235	3300	406	150	150	80	80	25	25	1800	3.7	4	940	2170	68.5	63	61	51	3.1
175ES	3235	3300	462	150	150	80	80	25	25	1800	5.5	4	970	2200	70.5	64.5	63.5	52.5	3.1
200ES	3235	3300	462	150	150	80	80	25	25	1800	5.5	4	1020	2250	71	65.5	63.5	53	3.1
225ES	3435	3700	477	150	150	80	80	25	25	1800	5.5	4	1070	2630	71	65	63	53	3.5
250ES	3660	4400	472	200	200	100	100	25	25	2400	5.5	4	1510	3725	74.5	68	65.5	57.5	4.2
300ES	3660	4400	472	200	200	100	100	32	32	2400	5.5	4	1590	3810	75	68.5	66	58	4.2
350ES	3950	4800	510	200	200	100	100	40	40	2400	7.5	4	1770	4130	76	70	67	60	4.6
400ES	4250	5580	707	250	250	100	100	40	40	3000	11	4	2940	5840	77.5	71.5	68	62	5.2
500ES	4650	5580	707	250	250	100	100	50	50	3000	11	4	3370	6270	78.5	72	69	63	5.2
600ES	4710	6600	822	250	250	125	125	50	50	3400	15	6	4260	8610	77	72	68	63	6.2
700ES	5110	6600	822	250	250	125	125	50	50	3400	15	6	4740	9090	77.5	73	69	63.5	6.2
800ES	5295	7600	791	300	300	150	150	80	80	3600	22	6	5240	11540	78.5	74	69.5	65	7.2
1000ES	5695	7600	791	300	300	150	150	80	80	3600	22	6	5910	12210	79	74.5	70	65.5	7.2

SBC-ESS Model (Super low noise type)

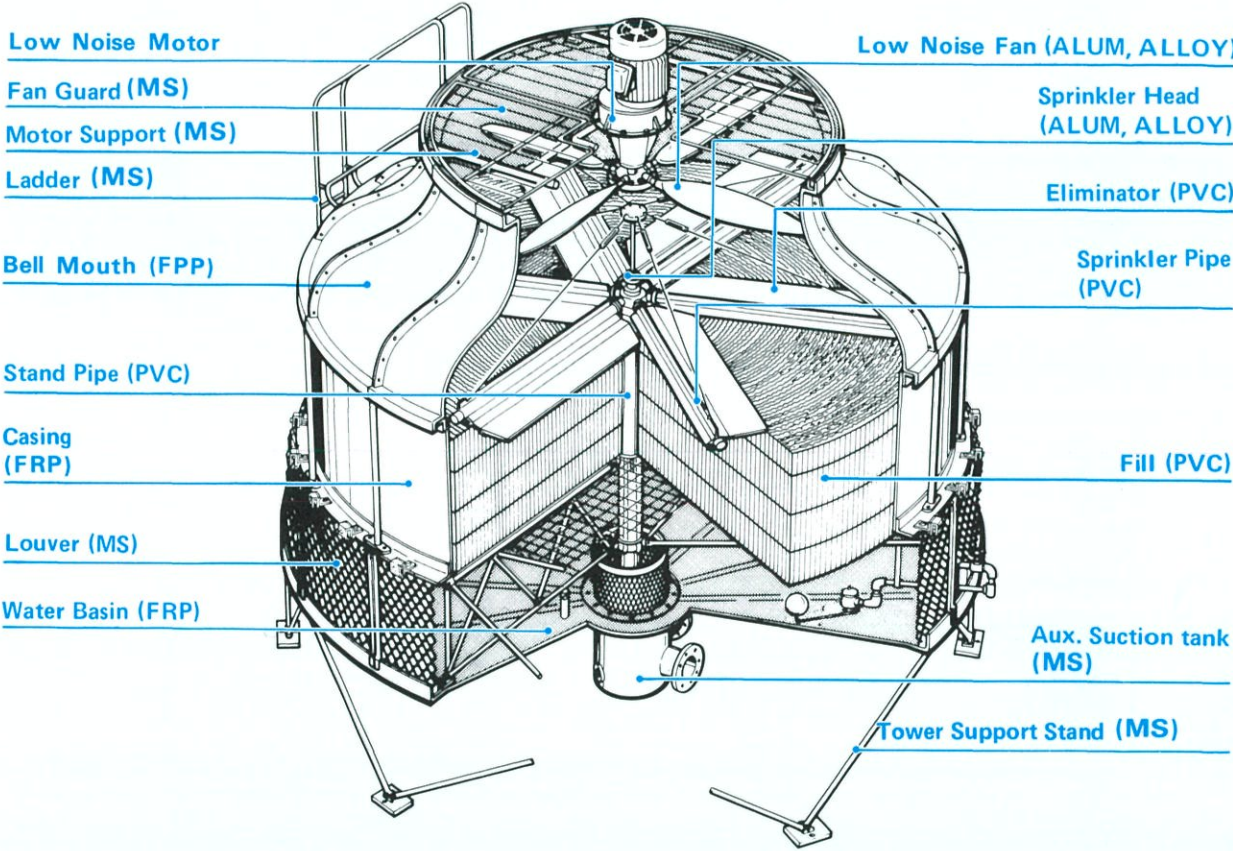
Item	Dimension (mm)			Pipings (mm)						Fan	Motor		Wt. (kg)		Noise Value dB (A)					Meas Point
Model	H	D	a	In	Out	O	Dr	Au	Ma	D ϕ (mm)	kW	P	dry	wet	Fan 45° Dm Point	2m	Dm	16m	Dm	
100ESS	2965	2900	487	125	125	50	50	20	20	1500	2.2	4	710	1590	62.5	56.5	55.5	44	2.7	
125ESS	2965	2900	516	125	125	50	50	20	20	1500	3.7	4	760	1645	64	57.5	56.5	45	2.7	
150ESS	3235	3300	506	150	150	80	80	25	25	1800	3.7	4	980	2210	65	59	57	47	3.1	
175ESS	3235	3300	562	150	150	80	80	25	25	1800	5.5	4	1010	2240	66	59.5	57.5	47.5	3.1	
200ESS	3235	3300	562	150	150	80	80	25	25	1800	5.5	4	1050	2280	66.5	60.5	58.5	48.5	3.1	
225ESS	3485	3700	625	150	150	80	80	25	25	2100	5.5	6	1170	2730	66.5	61	59	49.5	3.5	
250ESS	3660	4400	510	200	200	100	100	25	25	2400	5.5	6	1560	3775	66.5	62	59	51	4.2	
300ESS	3660	4400	510	200	200	100	100	32	32	2400	5.5	6	1640	3860	67	63	60	52	4.2	
350ESS	3950	4800	579	200	200	100	100	40	40	2400	7.5	6	1890	4250	67.5	63.5	60.5	52.5	4.6	
400ESS	4250	5580	751	250	250	100	100	40	40	3000	11	6	3190	6090	70	66	62.5	56	5.2	
500ESS	4650	5580	751	250	250	100	100	50	50	3000	11	6	3610	6510	70	67	63	56.5	5.2	
600ESS	4710	6600	749	250	250	125	125	50	50	3400	15	6	4470	8820	72	68	64	58.5	6.2	
700ESS	5110	6600	749	250	250	125	125	50	50	3400	15	6	4950	9300	72	68.5	64	59	6.2	
800ESS	5295	7600	957	300	300	150	150	80	80	3600	22	8	5820	12120	72.5	70.5	65.5	60.5	7.2	
1000ESS	5695	7600	957	300	300	150	150	80	80	3600	22	8	6420	12720	73	71	66	61	7.2	

H: Tower height, D: Diameter, a: Motor height, In: Water inlet, Out: Water outlet, O: Overflow, Dr: Drain,
Au: Automatic fill, Ma: Quick fill

We are prepared to accept various type of motor voltages such as 380V, 400V, 415V and others.

high efficiency and wide variation.

Structural detail
SBC800ES Model (Low Noise)



Note: () indicates material used

Complete anti-corrosion treatment eliminates rust and corrosion from major problem.

The steel components of frame work are hot dipped galvanized treated to minimize the possibility of rust and corrosion. Rust or corrosion is no longer a matter of primary concern.

New type of louver which will not rust

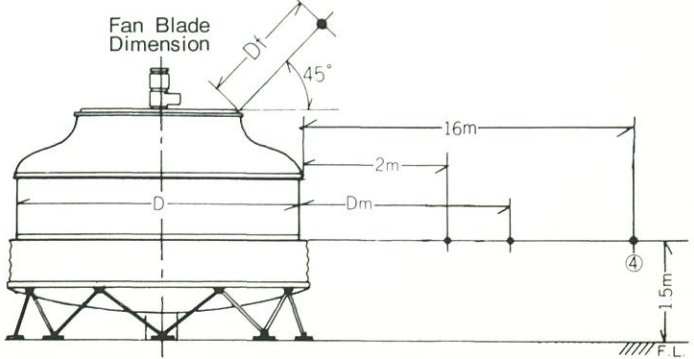
The new vertical louvers up from SBC-3 to 80 are so contoured to prevent water splash out from the tower. For the larger size towers, the base steel is initially chemically cleansed and is given thick polyethylene coating serving dual purpose of stabilized air inlet while preventing water splash. Its durability, anti-corrosion and easy attachment or removal makes the water basin cleaning task an easy one.

Centralized piping makes installation work on site easy.

The inner pipings, the pipe connecting sections are all centralized at water basin, making it a easy and efficient task which leads to cutting down the cost of installation.

Noise Value Measuring Points

1. "Fan 45° Df Point" is at 45° angle and fan blade dimension (D ϕ) away from the surface of casing.
2. "Dm Point on the Louver Side" is casing dimension (D) distance horizontally away from tower casing. 1.5m is the height.
3. Measuring points, "Df" and "Dm" are based on JCI (Japan Cooling Tower Industrial Association) Measuring Standard.

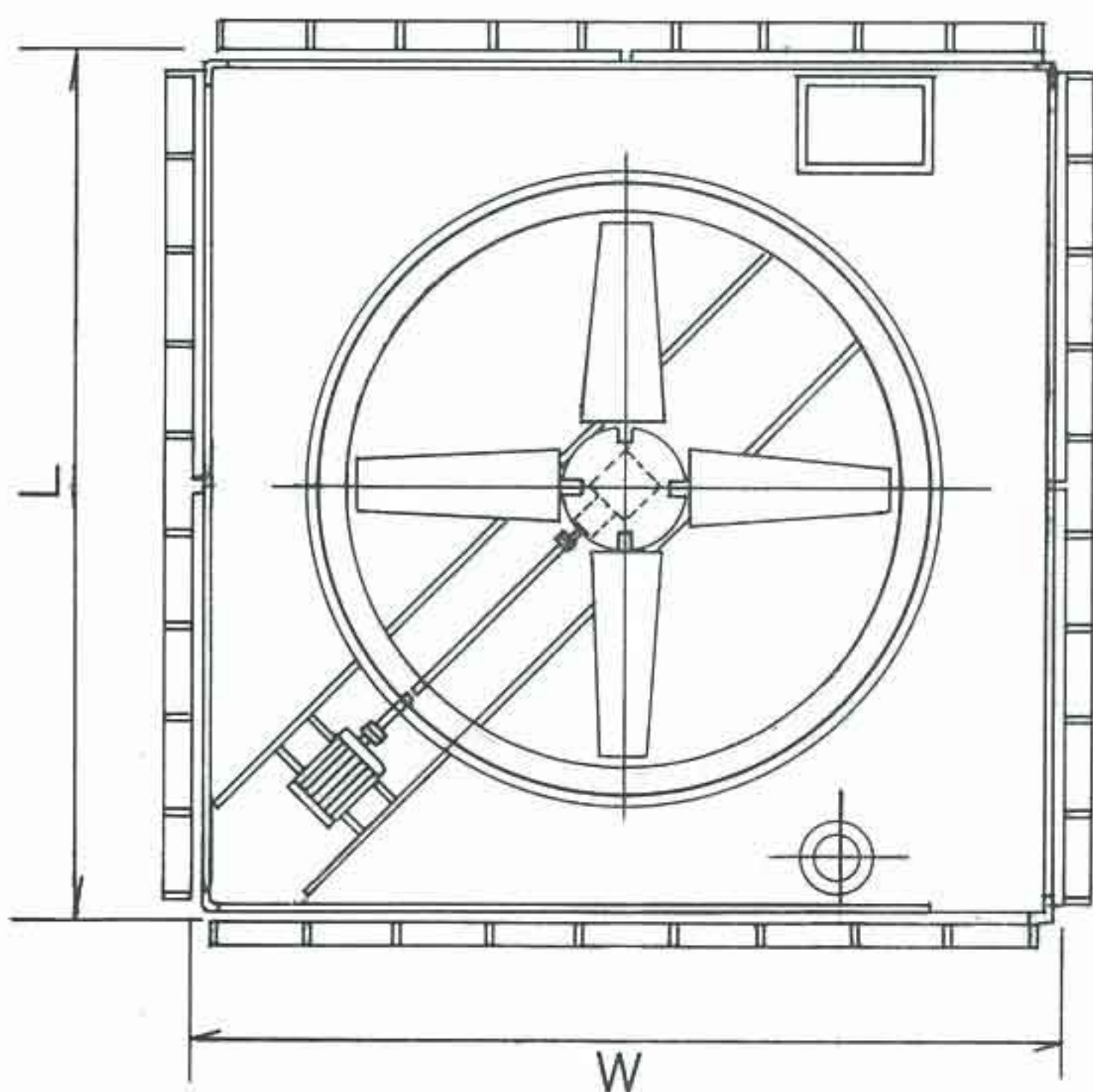
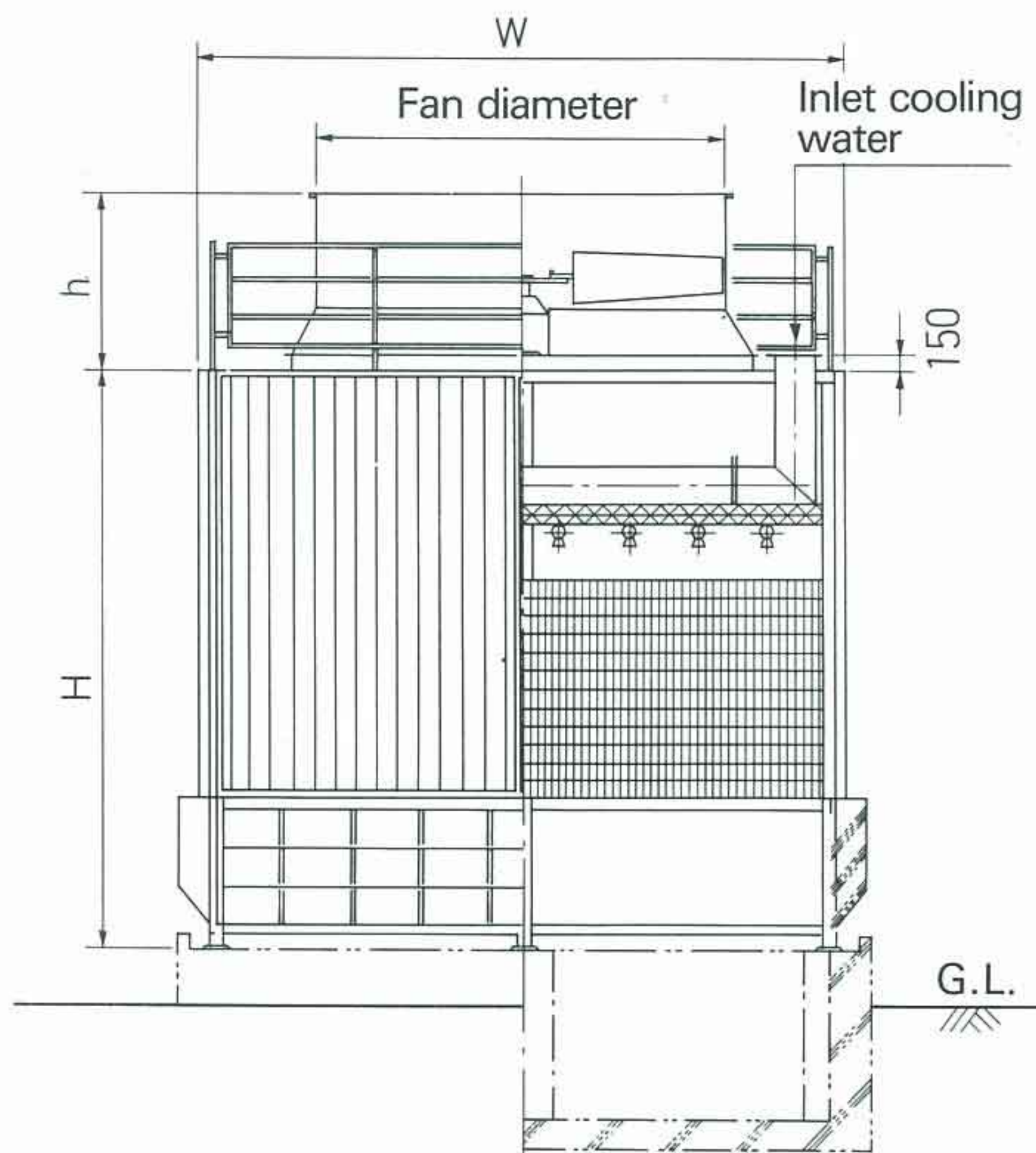
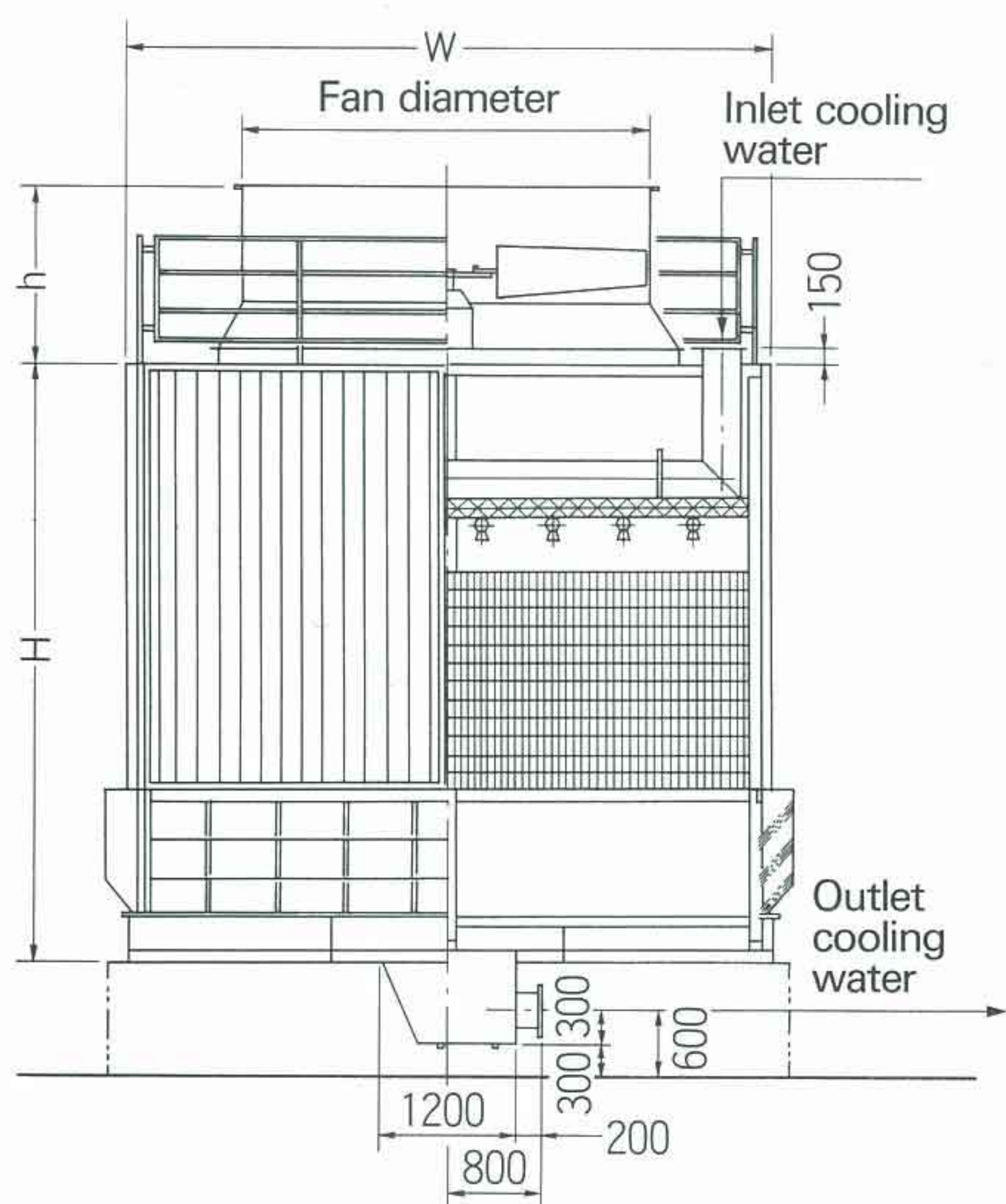


FOR INDUSTRIAL COOLING WATER IN THE PLANT

TOWER APPEARANCE

SCC-B A.AS Model (with Lower Water Basin)

SCC-K A.AS Model (Concrete Water Basin)



When making inquiry.....

As you plan cooling tower for industrial purpose, kindly inform particulars on items listed below. If the standard model does not fit into the space or to the specification required, we are prepared to make special design to meet your requirement.

1. Water quantity and No. of towers... $\text{m}^3/\text{h} \times \text{No. towers}$.
2. Temperature condition... Inlet water temp., Outlet temp. Wet Bulb temp.
3. Installation place... Area.
4. Plan of arrangements... Area intended for installation (floor plan), piping, cooling water basin, surrounding environment, wind direction.
5. Water quality... Any impurity, condensation, corrosiveness, stickiness, sea water, river water, or industrial water. Any water treatment chemicals if so, chemicals use and condensation.
6. Power source for fan motor... Voltage, Hz, starter (direct or star delta).
7. Type of soil... Red soil, loose or hard soil, sandy, will it withstand foundation, cooling water tank.
8. Noise... Any limits on noise and if so, what is the limitation & distance.
9. Scope of estimate... Cooling tower only, warm water pipings, cooled water pipings, accessories, installation & test operation, foundation work, cooling water tank, water pumps, whether drive motor is supplied or not.

SCC-B Model

Model Selection: Standard Specification

SCC-B Model 50/60 Hz

Item Model	Dimension (mm)				Water Inlet pipe dia φ	Motor		Fan Diameter (mm)	Dry Wt. (kg)	Wet Wt. (kg)
	L	W	H	h1		Kw	P			
B500A•AS	4640	4640	4800	1300	250	11 15	4 4	2500	5300 5650	10300 10650
B550A•AS	4640	4640	4800	1300	250	15 15	4 4	2800	5400 5750	10500 10800
B600A•AS	4640	4640	4800	1300	300	15 15	4 4	3150	5500 5950	10750 11200
B650A•AS	4990	4990	5000	1300	300	15 15	4 4	3150	6100 6550	11950 12400
B700A•AS	5340	5340	5150	1300	300	15 15	4 4	3150	6750 7250	13300 13800
B750A•AS	5340	5340	5150	1300	300	18.5 18.5	4 4	3150	6800 7300	13400 13900
B800A•AS	5690	5690	5250	1300	300	18.5 22	4 4	3150	7450 8100	14750 15400
B850A•AS	5690	5690	5250	1550	350	22 22	4 4(6)	3550	7600 8200	15100 15700
B900A•AS	5740	5740	5200	1550	350	22 22	4 4(6)	3550	8250 8850	15950 16550
B950A•AS	5915	5915	5200	1550	350	22 22	4 4(6)	4000	8650 9350	16650 17350
B1000A•AS	6090	6090	5300	1550	350	22 22	4 4(6)	4000	9050 9750	17500 18200
B1100A•AS	6265	6265	5350	1550	400	30 30	4 4(6)	4000	9550 10450	18650 19550
B1200A•AS	6615	6615	5450	1550	400	30 37	4 4(6)	4000	10300 11250	20300 21250
B1300A•AS	6790	6790	5550	1800	400	30 37	4(6) 6	4500	10850 11800	21350 22300
B1400A•AS	7140	7140	5700	1800	450	37 37	4(6) 6	4500	11800 12800	24450 25450
B1500A•AS	7315	7315	5750	1800	450	45 45	4(6) 6	4500	12250 13300	25400 26450
B1600A•AS	7490	7490	5750	1800	450	45 55	4(6) 6	4500	12700 14300	26500 28100
B1800A•AS	7840	7840	5750	1800	500	45 55	4(6) 6	5000	14150 15550	29400 30800
B2000A•AS	8365	8365	6150	2050	500	45 55	4(6) 6	5600	15650 17700	32500 34550
B2200A•AS	8715	8715	6150	2050	500	55 55(75)	4 6	5600	16500 18500	34750 36750
B2400A•AS	8940	8940	6300	2050	400×2	75 75	4 6	5600	19100 20850	38850 40600
B2500A•AS	9290	9290	6500	2050	400×2	75 75	4 6	5600	20100 21950	40950 42800
B2600A•AS	9640	9640	6550	2050	400×2	75 75	4 6	5600	21150 23050	43400 45300
B2800A•AS	9990	9990	6650	2050	450×2	75 75	4 6	6300	22700 25000	48250 50550
B3000A•AS	10340	10340	6800	2050	450×2	75 75(90)	4 6	6300	23950 26250	50850 53260
B3200A•AS	10690	10690	6850	2300	450×2	75 75	4 6	7100	25350 28050	53900 56650
B3400A•AS	11040	11040	7000	2300	450×2	75 75	4 6	7100	26600 29650	56700 59750
B3500A•AS	11390	11390	7200	2300	450×2	75 75	4 6	7100	27800 30900	59400 62500
B3600A•AS	11740	11740	7250	2300	500×2	75 75	4 6	7100	28950 32100	62000 65150
B3800A•AS	12090	12090	7450	2300	500×2	90 90	4 6	7100	30700 34100	65500 68900
B4000A•AS	12090	12090	7450	2300	500×2	110 110	4 6	7100	31200 34300	66100 69200
B4200A•AS	12440	12440	7500	2300	500×2	110 132	4 6	7100	32500 36300	69300 73100
B4400A•AS	12440	12440	7500	2300	500×2	132 160	4 6	7100	33150 36400	70150 73400
B4600A•AS	12790	12790	7650	2300	500×2	132 110	4 6	8000	34500 38200	73350 77050
B4800A•AS	13140	13140	7800	2300	500×2	132 132	4 6	8000	36400 39950	77100 80650
B5000A•AS	13140	13140	7800	2300	500×2	132 110	4 6	9000	37000 40350	77800 81150

() indicates 60Hz A on upper space.
AS on lower space.

SCC-K Model

Model Selection: Standard Specification

SCC-K Model 50/60Hz

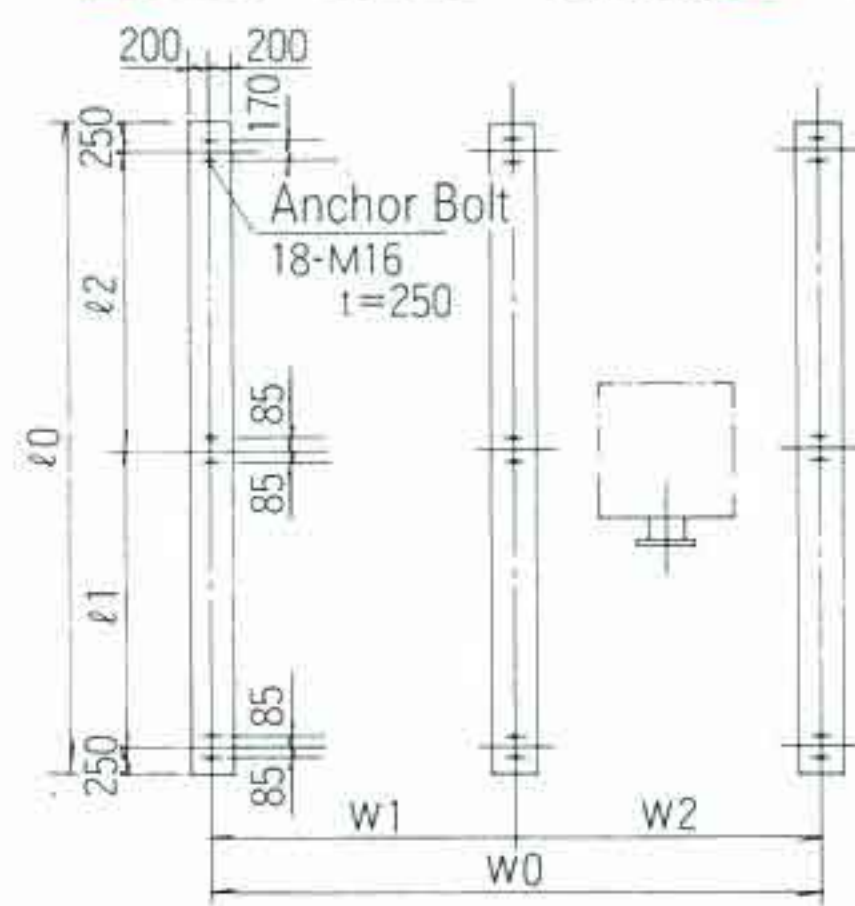
Item Model	Dimension (mm)				Water Inlet pipe dia φ	Motor		Fan Diameter (mm)	Dry Wt. (kg)	Wet Wt. (kg)
	L	W	H	h ₁		Kw	P			
K500A•AS	4560	4560	4600	1300	250	11 15	4 4	2500	4100 4450	6100 6450
K550A•AS	4560	4560	4600	1300	250	15 15	4 4	2800	4200 4550	6250 6600
K600A•AS	4560	4560	4600	1300	300	15 15	4 4	3150	4300 4750	6500 6950
K650A•AS	4910	4910	4800	1300	300	15 15	4 4	3150	4750 5200	7300 7750
K700A•AS	5260	5260	4950	1300	300	15 15	4 4	3150	5300 5800	8150 8650
K750A•AS	5260	5260	4950	1300	300	18.5 18.5	4 4	3150	5350 5850	8250 8750
K800A•AS	5610	5610	5050	1300	300	18.5 22	4 4	3150	5800 6450	9000 9650
K850A•AS	5610	5610	5050	1550	350	22 22	4 4(6)	3550	5950 6550	9350 9950
K900A•AS	5660	5660	5000	1550	350	22 22	4 4(6)	3550	6500 7100	10050 10650
K950A•AS	5835	5835	5000	1550	350	22 22	4 4(6)	4000	6800 7500	10500 11200
K1000A•AS	6010	6010	5100	1550	350	22 22	4 4(6)	4000	7100 7800	11000 11700
K1100A•AS	6185	6185	5150	1550	400	30 30	4 4(6)	4000	7500 8400	11850 12750
K1200A•AS	6535	6535	5250	1550	400	30 37	4 4(6)	4000	8000 8950	12850 13800
K1300A•AS	6710	6710	5350	1800	400	30 37	4(6) 6	4500	8450 9400	13500 14450
K1400A•AS	7060	7060	5500	1800	450	37 37	4(6) 6	4500	9100 10100	14900 15900
K1500A•AS	7235	7235	5550	1800	450	45 45	4(6) 6	4500	9450 10500	15500 16550
K1600A•AS	7410	7410	5550	1800	450	45 55	4(6) 6	4500	9850 11450	16250 17850
K1800A•AS	7760	7760	5550	1800	500	45 55	4(6) 6	5000	11100 12500	18450 19850
K2000A•AS	8285	8285	5950	2050	500	45 55	4(6) 6	5600	12150 14200	20300 22350
K2200A•AS	8635	8635	5950	2050	500	55 55(75)	4 6	5600	12800 14800	21700 23700
K2400A•AS	8860	8860	6100	2050	400×2	75 75	4 6	5600	15000 16750	25050 26800
K2500A•AS	9210	9210	6300	2050	400×2	75 75	4 6	5600	15800 17650	26300 28150
K2600A•AS	9560	9560	6350	2050	400×2	75 75	4 6	5600	16600 18500	27850 31600
K2800A•AS	9910	9910	6450	2050	450×2	75 75	4 6	6300	17750 20050	29700 32000
K3000A•AS	10260	10260	6600	2050	450×2	75 75(90)	4 6	6300	18650 20950	31250 33550
K3200A•AS	10610	10610	6650	2300	450×2	75 75	4 6	7100	19700 22450	33250 36000
K3400A•AS	10960	10960	6800	2300	450×2	75 75	4 6	7100	20600 23650	34900 37950
K3500A•AS	11310	11310	7000	2300	450×2	75 75	4 6	7100	21600 24700	36650 39750
K3600A•AS	11660	11660	7050	2300	500×2	75 75	4 6	7100	22400 25550	38100 41250
K3800A•AS	12010	12010	7250	2300	500×2	90 90	4 6	7100	23750 27150	40350 43750
K4000A•AS	12010	12010	7250	2300	500×2	110 110	4 6	7100	24250 27350	40950 44050
K4200A•AS	12360	12360	7300	2300	500×2	110 132	4 6	7100	25200 29000	42950 46750
K4400A•AS	12360	12360	7300	2300	500×2	132 160	4 6	7100	25850 29100	43800 47050
K4600A•AS	12710	12710	7450	2300	500×2	132 110	4 6	8000	26750 30450	45700 49400
K4800A•AS	13060	13060	7600	2300	500×2	132 132	4 6	8000	28250 31800	48150 51700
K5000A•AS	13060	13060	7600	2300	500×2	132 110	4 6	9000	28850 32200	48850 52200

() indicates 60Hz A on upper space.
AS on lower space.

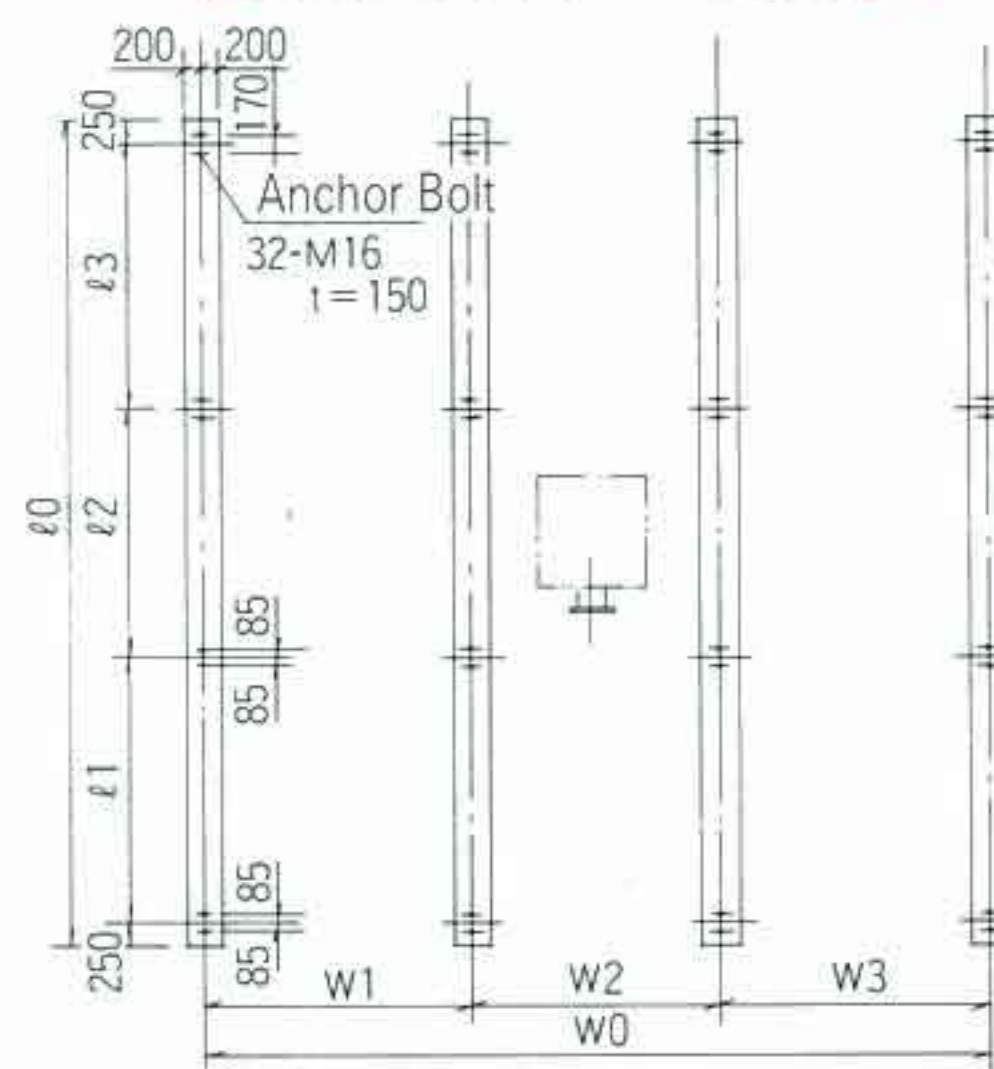
Foundation drawing

SCC-B Model A.AS

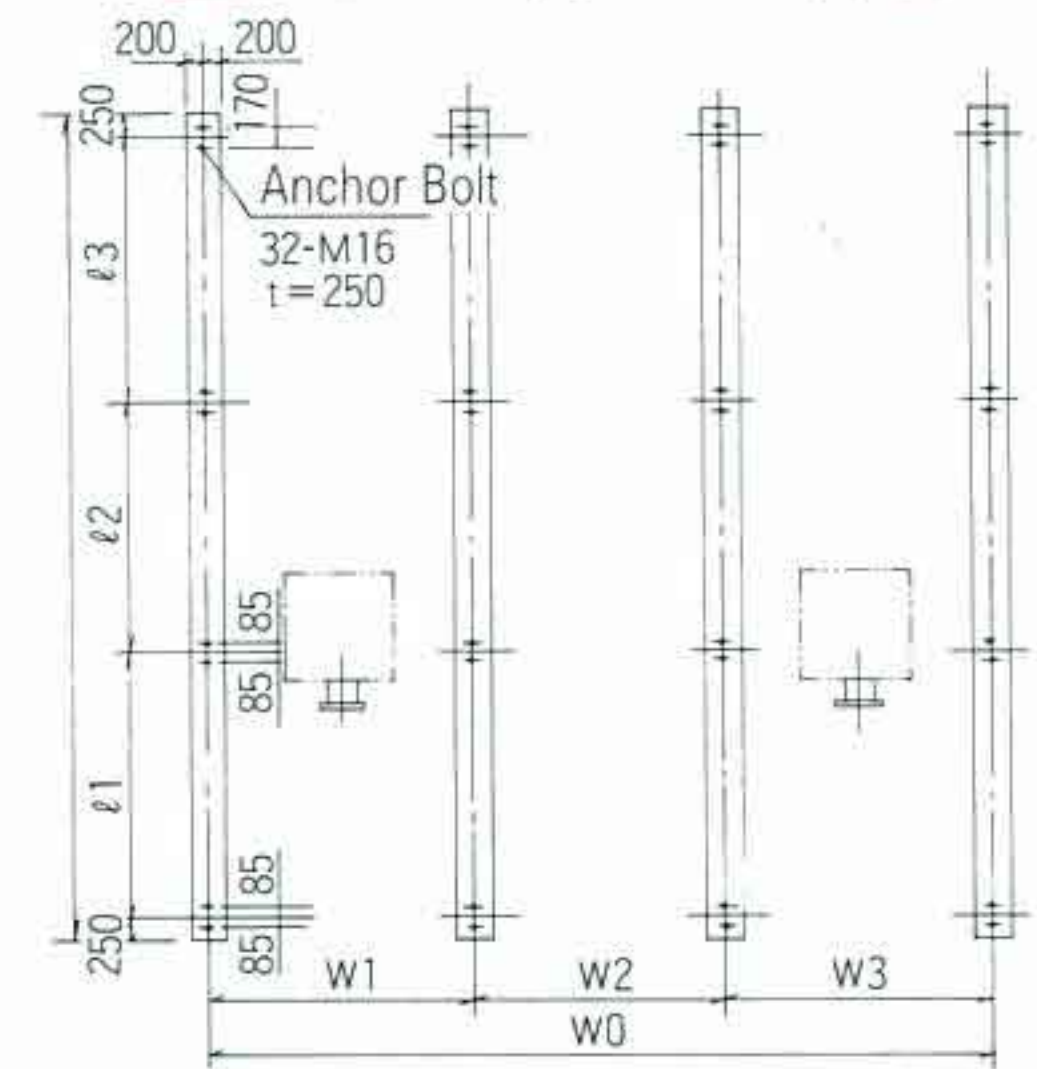
■ SCC-B500~B850 ■



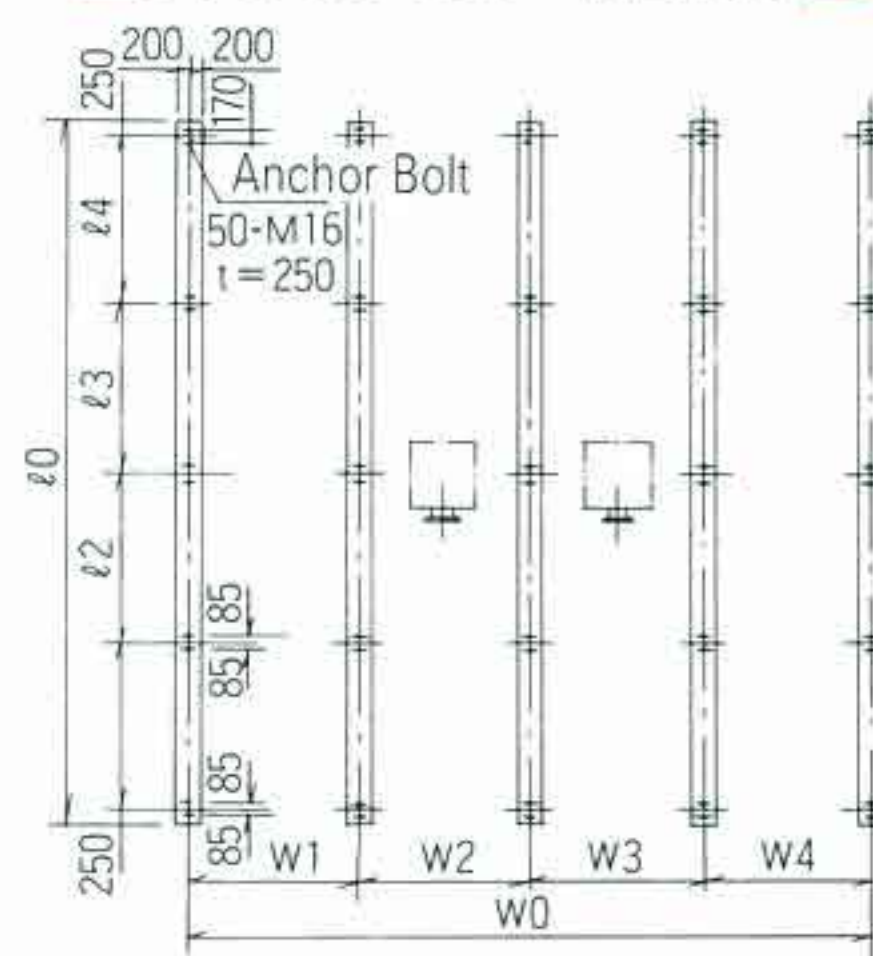
■ SCC-B900~B1300 ■



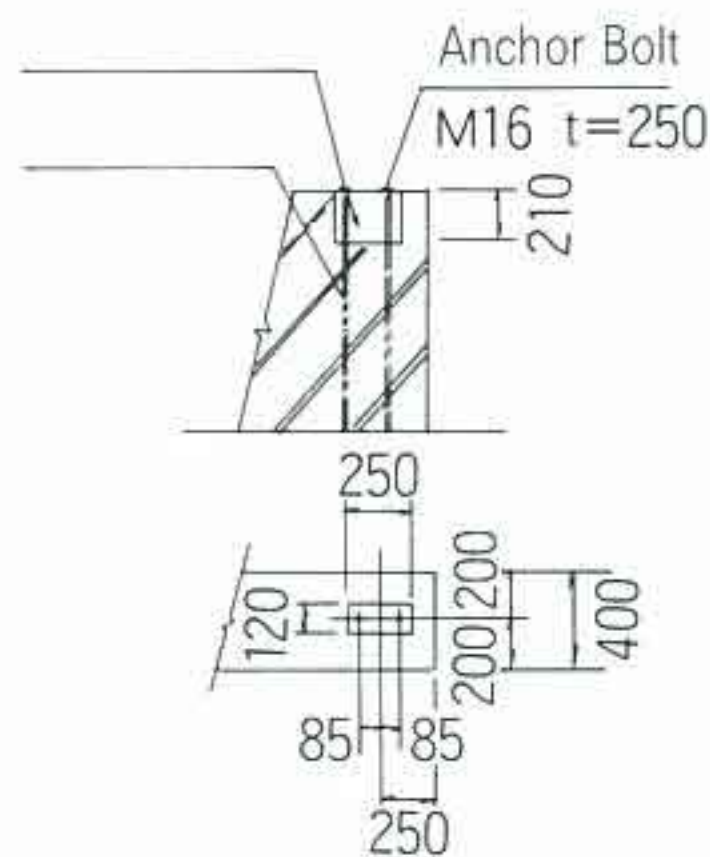
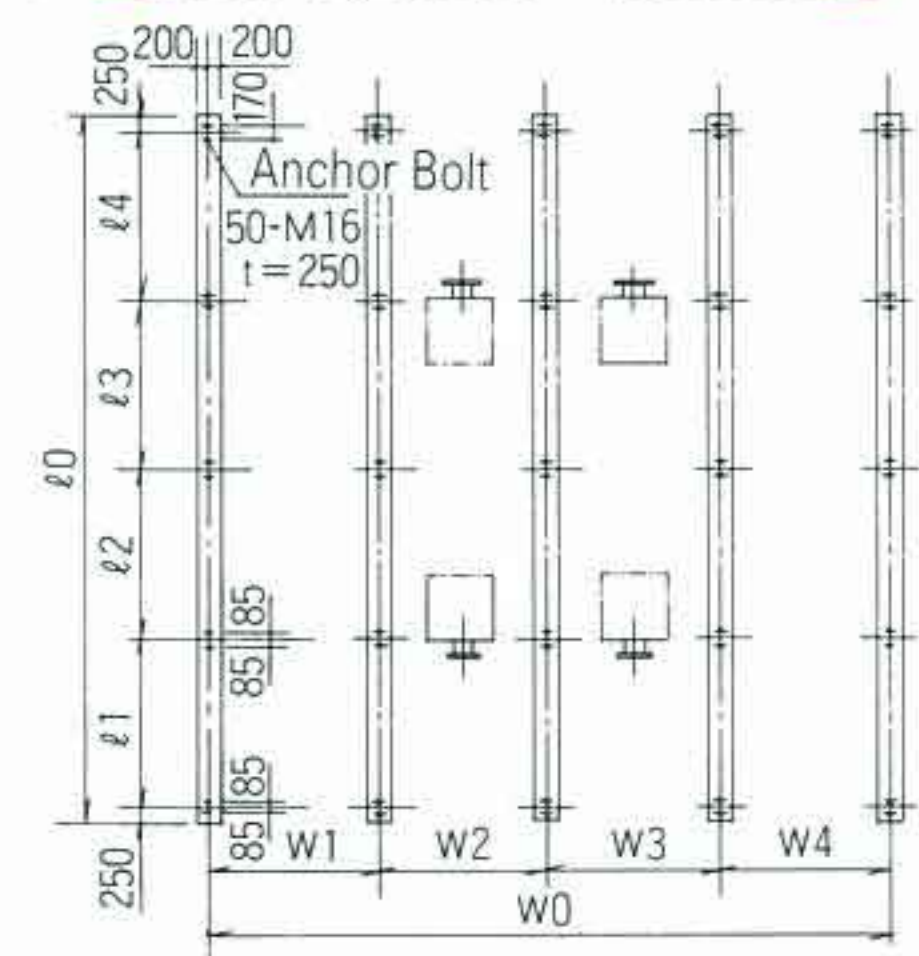
■ SCC-B1400~B2200 ■



■ SCC-B2400~B2600 ■



■ SCC-B2800~B5000 ■



Foundation dimension

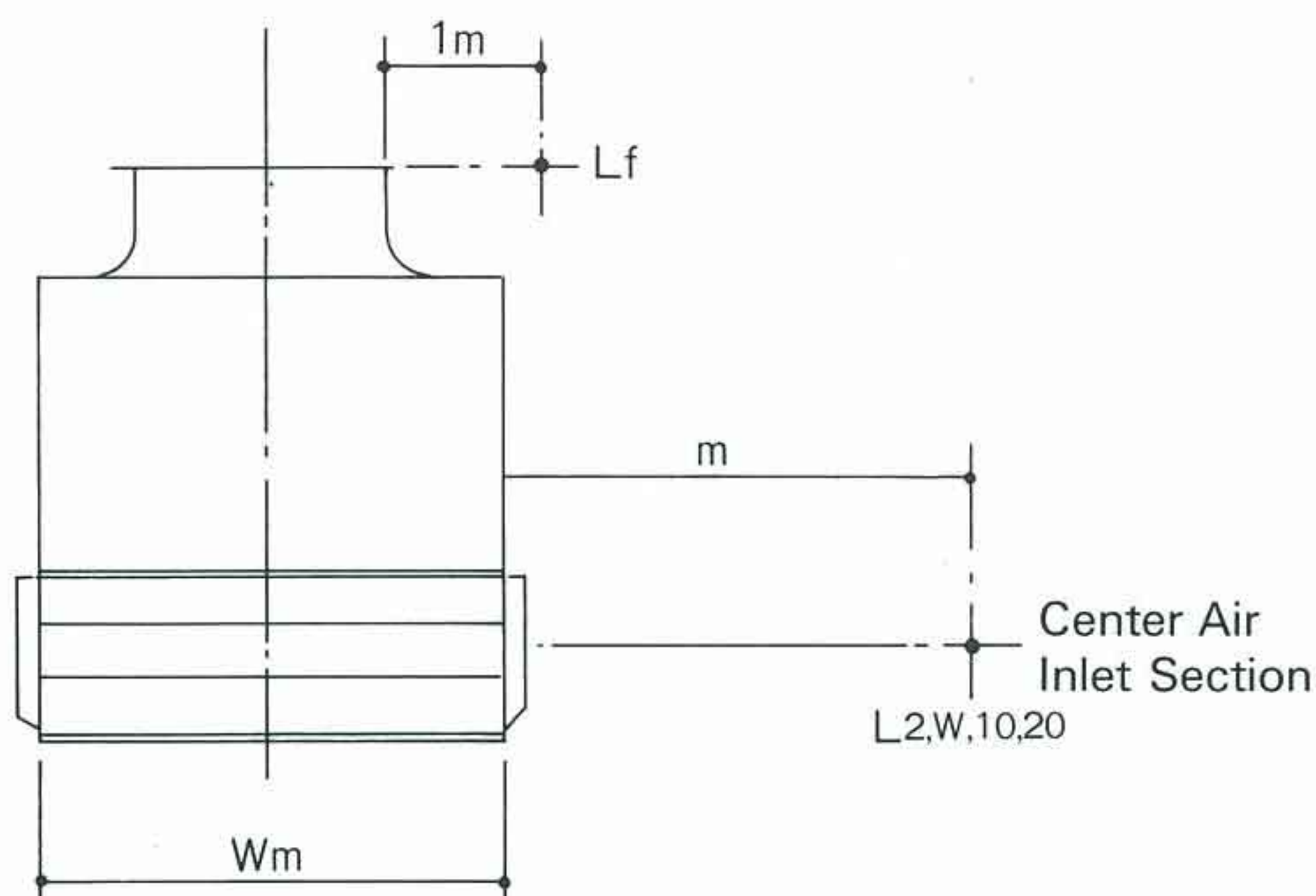
SCC-B Model A.AS

SCC	W0	W1	W2	W3	W4	SCC	W0	W1	W2	W3	W4
B500	4300	2150	2150	—	—	B2000	8025	2675	2675	2675	—
B550	4300	2150	2150	—	—	B2200	8375	2850	2675	2850	—
B600	4300	2150	2150	—	—	B2400	8600	2150	2150	2150	2150
B650	4650	2325	2325	—	—	B2500	8950	2325	2150	2150	2325
B700	5000	2500	2500	—	—	B2600	9300	2325	2325	2325	2325
B750	5000	2500	2500	—	—	B2800	9650	2500	2325	2325	2500
B800	5350	2675	2675	—	—	B3000	10000	2500	2500	2500	2500
B850	5350	2675	2675	—	—	B3200	10350	2675	2500	2500	2675
B900	5400	1800	1800	1800	—	B3400	10700	2675	2675	2675	2675
B950	5575	1800	1975	1800	—	B3500	11050	2850	2675	2675	2850
B1000	5750	1975	1800	1975	—	B3600	11400	2850	2850	2850	2850
B1100	5925	1975	1975	1975	—	B3800	11750	3025	2850	2850	3025
B1200	6275	2150	1975	2150	—	B4000	11750	3025	2850	2850	3025
B1300	6450	2150	2150	2150	—	B4200	12100	3025	3025	3025	3025
B1400	6800	2325	2150	2325	—	B4400	12100	3025	3025	3025	3025
B1500	6975	2325	2325	2325	—	B4600	12450	3200	3025	3025	3200
B1600	7150	2325	2500	2325	—	B4800	12800	3200	3200	3200	3200
B1800	7500	2500	2500	2500	—	B5000	12800	3200	3200	3200	3200

SCC	l0	l1	l2	l3	l4	SCC	l0	l1	l2	l3	l4
B500	4300	2150	2150	—	—	B2000	8025	2675	2675	2675	—
B550	4300	2150	2150	—	—	B2200	8375	2850	2675	2850	—
B600	4300	2150	2150	—	—	B2400	8600	2150	2150	2150	2150
B650	4650	2325	2325	—	—	B2500	8950	2325	2150	2150	2325
B700	5000	2500	2500	—	—	B2600	9300	2325	2325	2325	2325
B750	5000	2500	2500	—	—	B2800	9650	2500	2325	2325	2500
B800	5350	2675	2675	—	—	B3000	10000	2500	2500	2500	2500
B850	5350	2675	2675	—	—	B3200	10350	2675	2500	2500	2675
B900	5400	1800	1800	1800	—	B3400	10700	2675	2675	2675	2675
B950	5575	1800	1975	1800	—	B3500	11050	2850	2675	2675	2850
B1000	5750	1975	1800	1975	—	B3600	11400	2850	2850	2850	2850
B1100	5925	1975	1975	1975	—	B3800	11750	3025	2850	2850	3025
B1200	6275	2150	1975	2150	—	B4000	11750	3025	2850	2850	3025
B1300	6450	2150	2150	2150	—	B4200	12100	3025	3025	3025	3025
B1400	6800	2325	2150	2325	—	B4400	12100	3025	3025	3025	3025
B1500	6975	2325	2325	2325	—	B4600	12450	3200	3025	3025	3200
B1600	7150	2325	2500	2325	—	B4800	12800	3200	3200	3200	3200
B1800	7500	2500	2500	2500	—	B5000	12800	3200	3200	3200	3200

FOR COOLING ALL KINDS OF CIRCULATING WATER

Noise Value



LF: SPL at Fan Level 1 M point.
 L2: SPL at Tower side 2 M point.
 Lw: SPL at Tower side W M point.
 L10: SPL at Tower side 10 M point.
 L20: SPL at Tower side 20 M point.

SCC-B·K-A (Standard Model) () shows 60Hz

Item Model	Fan ϕ ϕ mm	W m	Lf dB(A)	L2 dB(A)	Lw dB(A)	L10 dB(A)	L20 dB(A)
B·K500A	2500	4.56	80.5	77	74	69.5	64
B·K550A	2800	4.56	81.5	77.5	74.5	70	65
B·K600A	3150	4.56	81.5	78	74.5	70.5	65.5
B·K650A	3150	4.91	81	78	74	70.5	65.5
B·K700A	3150	5.26	81	78	73.5	70.5	65.5
B·K750A	3150	5.26	82	78.5	74.5	71	66
B·K800A	3150	5.61	82	78.5	74	71	66
B·K850A	3550	5.61	82	78.5	74	71.5	66.5
B·K900A	3550	5.66	82	79	74.5	71.5	66.5
B·K950A	4000	5.853	81	79	74	71.5	66.5
B·K1000A	4000	6.01	81	79	74	71.5	66.5
B·K1100A	4000	6.185	82	79.5	74.5	72	67
B·K1200A	4000	6.535	82	79.5	74.5	72	67
B·K1300A	4500	6.71	81	79.5	74	72	67
B·K1400A	4500	7.06	81.5	79.5	74	72	67.5
B·K1500A	4500	7.235	82	80	74.5	72.5	68
B·K1600A	4500	7.41	82	80	74	72.5	68
B·K1800A	5000	7.76	81	80	74	72.5	67.5
B·K2000A	5600	8.285	81	80.5	74	73	68
B·K2200A	5600	8.635	82	80.5	74.5	73.5	68.5
B·K2400A	5600	8.86	82.5	81	74.5	74	69
B·K2500A	5600	9.21	82.5	81	74.5	74	69
B·K2600A	5600	9.56	82.5	81	74	74	69
B·K2800A	6300	9.91	81	81	73.5	73.5	68.5
B·K3000A	6300	10.26	81.5	81.5	73	74	69
B·K3200A	7100	10.61	80.5	81	72.5	74	69
B·K3400A	7100	10.96	80.5	81	72.5	74	69
B·K3500A	7100	11.31	80.5	81	72	74	69
B·K3600A	7100	11.66	80.5	81	72	73.5	69
B·K3800A	7100	12.01	80.5	81	71.5	73.5	69
B·K4000A	7100	12.01	81.5	81.5	72.5	74.5	69.5
B·K4200A	7100	12.36	82	82	72.5	74.5	70
B·K4400A	7100	12.36	82.5	82	73	74.5	70
B·K4600A	8000	12.71	79.5(80.5)	82(82)	72(72.5)	74(74.5)	69.5(69.5)
B·K4800A	8000	13.06	79.5(80.5)	82(82)	72(72)	74(74.5)	69.5(69.5)
B·K5000A	9000	13.06	78.5(81)	82(82)	71.5(72.5)	74(75)	69.5(70.5)

※ Noise value indicates cooling tower installed with reasonably plenty of air space surrounding the cooling tower.
 Consequently, noise value may vary from the above table depending on cool-

SCC-B·K-AS (Low Noise Model) () shows 60Hz

Item Model	Fan ϕ ϕ mm	W m	Lf dB(A)	L2 dB(A)	LW dB(A)	L10 dB(A)	L20 dB(A)
B·K500AS	2500	4.56	73.5	69.5	66	62	56.5
B·K550AS	2800	4.56	74.5	70	67	62.5	57.5
B·K600AS	3150	4.56	74.5	70.5	67	63	58
B·K650AS	3150	4.91	74	70.5	66.5	63	58
B·K700AS	3150	5.26	74	70	66	63	58
B·K750AS	3150	5.26	75	71	67	63.5	58.5
B·K800AS	3150	5.61	75	71	66.5	63.5	58.5
B·K850AS	3550	5.61	75	71	66.5	64	59
B·K900AS	3550	5.66	75	71.5	67	64	59
B·K950AS	4000	5.853	74	71	66.5	64	59
B·K1000AS	4000	6.01	74	71	66.5	64	59
B·K1100AS	4000	6.185	75	71.5	67	64.5	59.5
B·K1200AS	4000	6.535	75	71.5	67	64.5	59.5
B·K1300AS	4500	6.71	74	72	66.5	64.5	59.5
B·K1400AS	4500	7.06	74.5	72	66.5	64.5	60
B·K1500AS	4500	7.235	75	72.5	67	65	60.5
B·K1600AS	4500	7.41	75	72.5	66.5	65	60.5
B·K1800AS	5000	7.76	74	72	66.5	65	60
B·K2000AS	5600	8.285	74	72.5	66.5	65.5	60.5
B·K2200AS	5600	8.635	75	73	67	66	61
B·K2400AS	5600	8.86	75.5	73.5	67	66.5	61.5
B·K2500AS	5600	9.21	75.5	73.5	67	66.5	61.5
B·K2600AS	5600	9.56	75.5	73	66.5	66.5	61.5
B·K2800AS	6300	9.91	74	73	66	66	61
B·K3000AS	6300	10.26	74.5	73.5	65.5	66.5	61
B·K3200AS	7100	10.61	73.5	73.5	65	66	61.5
B·K3400AS	7100	10.96	73.5	73.5	65	66	61.5
B·K3500AS	7100	11.31	73.5	73.5	64.5	66	61.5
B·K3600AS	7100	11.66	73.5	73.5	64.5	66	61.5
B·K3800AS	7100	12.01	73.5	73.5	64	66	61.5
B·K4000AS	7100	12.01	74.5	74	65	66.5	62
B·K4200AS	7100	12.36	75	74	65	67	62.5
B·K4400AS	7100	12.36	75.5	74	65.5	67	62.5
B·K4600AS	8000	12.71	72.5(73.5)	74(74)	64.5(65)	66.5(67)	61.5(62)
B·K4800AS	8000	13.06	72.5(73.5)	74(74)	64(64.5)	66.5(67)	61.5(62)
B·K5000AS	9000	13.06	71.5(74)	74(74.5)	64(65)	66.5(67.5)	61.5(63)

ing tower installation surroundings.
 ※ Measurement Value L : Portion of the value shown are by calculations.