



COOLING TECHNOLOGY INSTITUTE

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Advance Cooling Towers Pvt. Ltd.
Advance 2020 – SM Line of CTI Certified Cooling Towers
CTI Certification Validation Number C31C-23R00
January 20, 2023 (Revision 0)

(Note: Number of Certified Cells Denoted by Prefix 1 through 6)

SM332kW3.75	SM443kW5.5	SM554kW7.5	SM664kW9.3	SM774kW15	SM884kW22.4
SM332kW5.5	SM443kW7.5	SM554kW9.3	SM664kW11	SM774kW18.6	SM884kW30
SM332kW7.5	SM443kW9.3	SM554kW11	SM664kW15	SM774kW22.4	SM884kW37
	SM443kW11	SM554kW15	SM664kW18.6	SM774kW30	SM884kW45
	SM443kW15	SM554kW18.6	SM664kW22.4	SM774kW37	SM884kW55
SM333kW3.75	SM444kW5.5	SM555kW7.5	SM665kW9.3	SM775kW15	SM885kW22.4
SM333kW5.5	SM444kW7.5	SM555kW9.3	SM665kW11	SM775kW18.6	SM885kW30
SM333kW7.5	SM444kW9.3	SM555kW11	SM665kW15	SM775kW22.4	SM885kW37
SM333kW9.3	SM444kW11	SM555kW15	SM665kW18.6	SM775kW30	SM885kW45
SM333kW11	SM444kW15	SM555kW18.6	SM665kW22.4	SM775kW37	SM885kW55
SM334kW3.75	SM445kW5.5	SM556kW7.5	SM666kW9.3	SM776kW15	SM886kW22.4
SM334kW5.5	SM445kW7.5	SM556kW9.3	SM666kW11	SM776kW18.6	SM886kW30
SM334kW7.5	SM445kW9.3	SM556kW11	SM666kW15	SM776kW22.4	SM886kW37
SM334kW9.3	SM445kW11	SM556kW15	SM666kW18.6	SM776kW30	SM886kW45
SM334kW11	SM445kW15	SM556kW18.6	SM666kW22.4	SM776kW37	SM886kW55
SM432kW3.75	SM544kW5.5	SM654kW7.5	SM764kW11	SM874kW18.6	
SM432kW5.5	SM544kW7.5	SM654kW9.3	SM764kW15	SM874kW22.4	
SM432kW7.5	SM544kW9.3	SM654kW11	SM764kW18.6	SM874kW30	
SM432kW9.3	SM544kW11	SM654kW15	SM764kW22.4	SM874kW37	
SM432kW11	SM544kW15	SM654kW18.6	SM764kW30	SM874kW45	
SM433kW3.75	SM545kW5.5	SM655kW7.5	SM765kW11	SM875kW18.6	
SM433kW5.5	SM545kW7.5	SM655kW9.3	SM765kW15	SM875kW22.4	
SM433kW7.5	SM545kW9.3	SM655kW11	SM765kW18.6	SM875kW30	
SM433kW9.3	SM545kW11	SM655kW15	SM765kW22.4	SM875kW37	
SM433kW11	SM545kW15	SM655kW18.6	SM765kW30	SM875kW45	
SM434kW3.75	SM546kW5.5	SM656kW7.5	SM766kW11	SM876kW18.6	
SM434kW5.5	SM546kW7.5	SM656kW9.3	SM766kW15	SM876kW22.4	
SM434kW7.5	SM546kW9.3	SM656kW11	SM766kW18.6	SM876kW30	
SM434kW9.3	SM546kW11	SM656kW15	SM766kW22.4	SM876kW37	
SM434kW11	SM546kW15	SM656kW18.6	SM766kW30	SM876kW45	

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Footnotes:

1. Standard / Optional Materials of Construction (MOC) are as follows:

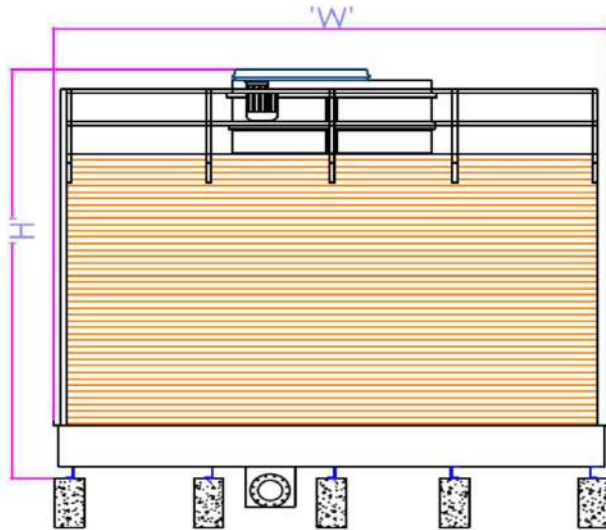
- Structural members	: MS-HDG / Pultruded FRP / SS-304 / SS-316
- Fan Blades	: FRP / Aluminium
- Casing	: FRP
- Basins	: FRP

Alternate MOC for component and coatings thereof can be offered without effect on capacity.

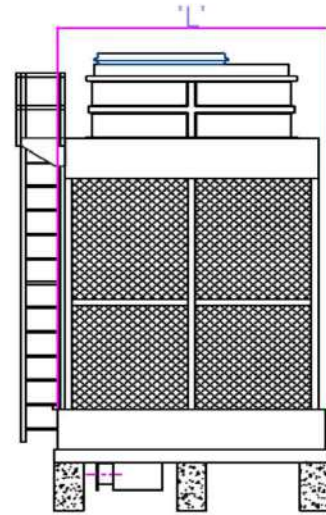
2. CT arrangement in multi-cell can be offered, in which cells share common wall and may share common cold-water basin. Capacities of multi-cell CTs would be integer multiple of single cell capacity and number of cells, provided that sufficient open space is maintained as per manufacturer's recommendations for the same.
3. All Models can be offered with cold water basin or without cold water basin with suffix as 'WB' or 'WOB' respectively.
4. Drive arrangement options are: Direct Drive [D] / Belt Drive [B] / Gear Drive [G]
5. Model Nomenclature follow following sequence: Cells Model Drive Basin Structure Motor

Example: **3SM664BWBPLTKW5.5**

This can be read as '3' Cells of 'SM664' having Belt drive option, With Cold Water Basin, having Pultruded-FRP structure and motor rated capacity of 5.5KW.



Front View



Side View

Sr. No.	CT Model	Total Length (mm)	Total Width (mm)	Total Height (mm)	Fan Dia (mm)	No of Inlets
1	SM332	2230	3860	3990	1600	2
2	SM333	2230	4470	3990	1600	2
3	SM334	2230	5080	3990	1600	2
4	SM432	2230	3860	4600	1600	2
5	SM433	2230	4470	4600	1600	2
6	SM434	2230	5080	4600	1600	2
7	SM443	2840	5080	4700	2000	2
8	SM444	2840	5690	4700	2000	2
9	SM445	2840	6300	4700	2000	2
10	SM544	2840	5080	5310	2000	2
11	SM545	2840	5690	5310	2000	2
12	SM546	2840	6300	5310	2000	2
13	SM554	3450	5690	5310	2400	2
14	SM555	3450	6300	5310	2400	2
15	SM556	3450	6910	5310	2400	2
16	SM654	3450	5690	5920	2400	2
17	SM655	3450	6300	5920	2400	2
18	SM656	3450	6910	5920	2400	2
19	SM664	4060	6910	6160	3000	2
20	SM665	4060	7520	6160	3000	2
21	SM666	4060	8130	6160	3000	2
22	SM764	4060	6910	6770	3000	2
23	SM765	4060	7520	6770	3000	2
24	SM766	4060	8130	6770	3000	2
25	SM774	4670	7520	7080	3600	2
26	SM775	4670	8130	7080	3600	2
27	SM776	4670	8740	7080	3600	2
28	SM874	4670	7520	7690	3600	2
29	SM875	4670	8130	7690	3600	2
30	SM876	4670	8740	7690	3600	2
31	SM884	5280	8130	7890	4000	2
32	SM885	5280	8740	7890	4000	2
33	SM886	5280	9350	7890	4000	2

Table with 40 columns and 89 rows of numerical data. Each row represents a specific model (e.g., SM654KW18.6) and contains 40 numerical values representing various performance metrics.