



# 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.