

### **COOLING TECHNOLOGY INSTITUTE**

P. O. Box 681807, Houston, Texas 77268 • 3845 Cypress Creek Parkway, Ste 420, Houston, Texas 77068 Phone: 281.583.4087 • Fax: 281.537.1721 • email: vmanser@ cti.org • http://www.cti.org

# Advance Cooling Towers Pvt. Ltd. Advance 2020 – Series A Line of CTI Certified Cooling Towers CTI Certification Validation Number C31A-07R05 August 31, 2023 (Revision 5)

Group A Models (Standard AC Fan Type)

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

Note: Number of Certi	ified Cells Denoted b	by Prefix 1 through 6
A37-0.75	A91-3.75	A145-18.3
A37-1.10	A91-5.50	A145-22.0
A37-1.50	A91-7.50	A145-30.0
A37-2.20	A91-9.30	A145-37.0
A37-3.75	A91-11.0	A145-45.0
	A91-15.0	
A46-1.10	A100-7.50	A154-22.0
A46-1.50	A100-9.30	A154-30.0
A46-2.20	A100-11.0	A154-37.0
A46-3.75	A100-15.0	A154-45.0
A46-5.50	A100-18.3	A154-55.0
A55-1.10	A109-9.3	A163-22.0
A55-1.50	A109-11.0	A163-30.0
A55-2.20	A109-15.0	A163-37.0
A55-3.75	A109-18.3	A163-45.0
A55-5.50	A109-22.0	A163-55.0
A55-7.50		
A64-1.50	A118-11.0	A172-30.0
A64-2.20	A118-15.0	A172-37.0
A64-3.75	A118-18.3	A172-45.0
A64-5.50	A118-22.0	A172-55.0
A64-7.50	A118-30.0	A172-75.0
A64-9.30		
A73-2.20	A127-15.0	A181-37.0
A73-3.75	A127-18.3	A181-45.0
A73-5.50	A127-22.0	A181-55.0
A73-7.50	A127-30.0	A181-75.0
A73-9.30	A127-37.0	A181-100.0
A82-2.20	A136-18.3	A190-45.0
A82-3.75	A136-22.0	A190-55.0
A82-5.50	A136-30.0	A190-75.0
A82-7.50	A136-37.0	A 190-100.0
A82-9.30	A136-45.0	A190-135.0
A82-11.0		

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# Advance Cooling Towers Pvt. Ltd. Advance 2020 – Series A Line of CTI Certified Cooling Towers CTI Certification Validation Number C31A-07R05 August 31, 2023 (Revision 5)

Group B Models (EC Fan Type)

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

A37ECMEDIUM A82ECLOW A37ECSTANDARD A82ECMEDIUM

A82ECSTANDARD

A46ECLOW

A46ECMEDIUM A91ECLOW
A46ECSTANDARD A91ECMEDIUM
A91ECSTANDARD

A55ECLOW

A55ECMEDIUM A100ECLOW
A55ECSTANDARD A100ECMEDIUM
A100ECSTANDARD

A64ECLOW

A64ECMEDIUM A109ECLOW
A64ECSTANDARD A109ECMEDIUM
A109ECSTANDARD

A73ECLOW A73ECMEDIUM A73ECSTANDARD

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#### **Footnotes:**

- 1. Advance 2020 Series A towers for export and domestic sales are by Advance Cooling Towers Pvt. Ltd.
- 2. Multi-cell models comprised of a combination of up to six (6) primary single-cells (listed above) are included in the certification. See example model number below.
- 3. Certified models listed above are for standard construction materials with FRP (Fiberglass Reinforced Plastic) casing, basin/sump and fan deck; HDG (Hot Dipped Galvanized) steel structure; belt drive fan; and, 415 Volt/50 Hz/3 Phase fan motor. Certification includes a number of options below which are also available.
- 4. Certified models with optional stainless steel 304, 316 grade or pultruded FRP Structure have the following suffixes added to the basic numeric model designation:
  - SS4 304 Grade Stainless Steel Structure
  - SS6 316 Grade Stainless Steel Structure
  - PLT Pultruded FRP Structure
- 5. Certified models without the FRP basin/sump have the following suffix added to the basic numeric model designation:
  - WOB Without Basin/Sump
- 6. Certified models with optional direct drive or gear drive in place of standard belt drive fan have the following suffixes added to the basic numeric model designation:
  - FD Direct Drive Fan FG Gear Drive Fan
- 7. Certified models with optional fan motors suitable for 220, 380 or 460 Volt/60 Hz operation or flame proof motors have the following suffixes added to basic numeric model designation:

H-60 Hz

MF – Motor Flame Proof

- 8. Certified models include use of optional external platform with railing/ladder for access.
- 9. Cooling Towers which include the suffix "X" added to the Model No's above (e.g. 1A37-0.75-X) are not covered under CTI Certification due to either application, product accessories or modifications.

Example Model Number, Group A: 3A73-5.50

where, 3 – prefix denoting number of certified cells (values 1 through 6)

A73 – line designation and model size code

5.50 – fan motor size

Example Model Number, Group B: 3A73ECLOW

where, 3 – prefix denoting number of certified cells (values 1 through 6)

A73EC – line designation and model size code

LOW – EC fan motor speed/power code