

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

May 19, 2022 (Revision 4)

Advance Cooling Towers Pvt. Ltd. 406, Span Centre, R. K. Mission Marg, Santacruz (West), Mumbai - 400 054, India

Subject: CTI Cooling Tower Certification for the

Advance Cooling Towers Pvt. Ltd.

Advance 2020 - Series A Line of Cooling Towers

#### Greetings:

The Advance Cooling Towers Pvt. Ltd., line of Advance 2020 – Series A counter-flow, induced-draft cooling towers, as described in your original application and subsequent revisions and additions completed through April 25, 2022, has satisfactorily fulfilled the requirements for certification of thermal performance by the Cooling Technology Institute (CTI), as set forth in the CTI Certification Standard STD-201(21). A listing of the one-hundred-twenty (120) primary single-cell models in the Advance 2020 – Series A line of cooling towers encompassed by this certification is included with this letter for reference.

The Advance 2020 – Series A line of cooling towers by Advance Cooling Towers Pvt. Ltd. has been assigned and should begin to use CTI Certification Validation Number C31A-07R04. You are hereby authorized and encouraged to display the CTI Certification Logo in all pertinent literature and are required to affix the CTI Certification Label on all towers comprising the line, as provided in the Certification Standard.

This CTI STD-201 Certification requires the successful completion of a CTI Annual Reverification Test on a different model each year to remain in effect in the subsequent year.

Very Truly Yours,

Michael G. Womack, PE

CTI Thermal Certification Administrator



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### **Advance Cooling Towers Pvt. Ltd. Advance 2020 – Series A Line of CTI Certified Cooling Towers** CTI Certification Validation Number C31A-07R04 May 19, 2022 (Revision 4)

Group A Models (Standard AC Fan Type)

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

Note: Number of Certified	Cells Denoted by Pr	efix 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	A190-100.0
A82-9.30	A136-45.0	A190-135.0
A82-11.0		

See Footnotes, Last Page



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# Advance Cooling Towers Pvt. Ltd. Advance 2020 – Series A Line of CTI Certified Cooling Towers CTI Certification Validation Number C31A-07R04 May 19, 2022 (Revision 4)

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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# Advance Cooling Towers Pvt. Ltd. Advance 2020 – Series A Line of CTI Certified Cooling Towers CTI Certification Validation Number C31A-07R04 May 19, 2022 (Revision 4)

#### **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