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

January 8, 2020
(Revision 0)

Liang Chi Industry Company, Ltd.
No. 1, Sec. 3, Nan King East Road
Taipei, Taiwan, R.O.C.

Subject: CTI Cooling Tower Certification
Liang Chi Industry Company, Ltd.
V-LN Line of Cross-flow, Induced-draft Cooling Towers

Greetings:

The Liang Chi Industry Company, Ltd. line of V-LN cross-flow, induced-draft, cooling towers, as described in your original application and subsequent revisions through October 14, 2019, 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(19). A listing of the fifty (50) models included in the CTI Certified V-LN line is attached for reference.

The V-LN line of cross-flow, induced-draft, cooling towers has been assigned and should begin to use CTI Certification Validation Number C20K-20R00. 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 Certification requires the successful completion of a CTI Annual Reverification Test to remain in effect in subsequent years.

Very truly yours,

Michael Womack

Michael G. Womack, PE
CTI Thermal Certification Administrator

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V-LN Line of CTI Certified Cross-flow, Induced-draft, Cooling Towers
CTI Certification Validation Number C20K-20R00
January 8, 2020 (Revision 0)

S2419D	2423G
S2419E	2423H
S2419F	2423J
S2419G	2423K
S2419H	2423L
S2422E	2428G
S2422F	2428H
S2422G	2428J
S2422H	2428K
S2422J	2428L
2417F	2430H
2417G	2430J
2417H	2430K
2417J	2430L
2417K	2430M
2419F	2434H
2419G	2434J
2419H	2434K
2419J	2434L
2419K	2434M
2421F	2436J
2421G	2436K
2421H	2436L
2421J	2436M
2421K	2436N

See Footnotes, Next Page

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Footnotes:

1. Multiple cell configurations of the single cell models above are also available but not listed individually. Multi-cell configurations are end-wall to end-wall arrangements of the single cell designs which do not impact the air flow rate or capacity of the individual cells, and are included in the certification

2. Sample Model Number for multiple cell model :
   V-LN-2421H-C3 where:
   V-LN = Product Line Designator
   -2421 = Box Size Designator
   H = Fan Power Code
   -C = Cell
   3 = Number of Cells (When the number is 1, it stands for the single-cell tower, so V-LN-2421H-C1 and V-LN-2421H are identical single-cell tower.)

3. Certification includes optional stainless steel, Zinc-Aluminum-Magnesium alloy coated steel and FRP pultrusion components that do not affect thermal capacity in addition to standard Hot Dip Galvanized Steel components.

4. Certification includes optional stainless steel, FRP and PVC piping components that do not affect thermal capacity in addition to standard Hot Dip Galvanized Steel piping components.

5. Certification includes optional gear and belt reducers that do not affect thermal capacity in addition to standard belt reducers.

6. Certification includes optional internal piping arrangements that do not affect thermal capacity, in addition to standard external piping arrangements.

7. Certification includes optional Stainless Steel, Hot Dip Galvanized Steel and Zinc-Aluminum-Magnesium alloy coated steel fan stacks, casings and water basins/sumps that do not affect thermal capacity, in addition to the standard FRP fan stacks, casings and water basins/sumps.

8. Certification includes optional items that do not affect thermal capacity, such as access ladder, handrails, maintenance platform and walkway, etc.