



COOLING TECHNOLOGY INSTITUTE

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September 29, 2023

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

Subject: CTI Cooling Tower Certification for the Liang Chi Industry Company, Ltd.
V-LN Line (Revision 1) Induced-Draft, Crossflow, Cooling Towers
2023 Annual Reverification Test

Greetings:

The Cooling Technology Institute (CTI) thermal performance certification for the Liang Chi Industry Company, Ltd. line of V-LN (Revision 1) induced-draft, crossflow cooling towers was initially granted on June 28, 2022. The line of V-LN cooling towers has satisfactorily fulfilled the requirements for the 2023 Annual Reverification Test required to maintain certification of thermal performance by the CTI as set forth in the CTI Certification Standard STD-201(21).

Therefore, the Liang Chi Industry Company, Ltd. line of V-LN induced-draft, crossflow cooling towers continues its existing certification status for 2024, subject to successful completion of the next Annual Reverification Test.

The Liang Chi Industry Company, Ltd line of V-LN induced-draft, crossflow cooling towers should continue to use CTI Certification Validation Number C20K-20R01. You are hereby authorized and encouraged to display the CTI Certification Logo in all literature exclusive to this line and are required to affix the CTI Certification Label on all towers comprising the line, as provided in the Certification Standard.

Very truly yours,

Michael G. Womack, PE
CTI Thermal Certification Administrator



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Liang Chi Industry Company, Ltd.
V-LN Line of CTI Certified Cross-flow, Induced-draft, Cooling Towers
CTI Certification Validation Number C20K-20R01
June 28, 2022 (Revision 1)

V-LN-S2012B	V-LN-S2419D	V-LN-2423G	V-LN-3236J
V-LN-S2012C	V-LN-S2419E	V-LN-2423H	V-LN-3236K
V-LN-S2012D	V-LN-S2419F	V-LN-2423J	V-LN-3236L
V-LN-S2012E	V-LN-S2419G	V-LN-2423K	V-LN-3236M
V-LN-S2012F	V-LN-S2419H	V-LN-2423L	V-LN-3236N
V-LN-S2014B	V-LN-S2422E	V-LN-2428G	V-LN-4038J
V-LN-S2014C	V-LN-S2422F	V-LN-2428H	V-LN-4038K
V-LN-S2014D	V-LN-S2422G	V-LN-2428J	V-LN-4038L
V-LN-S2014E	V-LN-S2422H	V-LN-2428K	V-LN-4038M
V-LN-S2014F	V-LN-S2422J	V-LN-2428L	V-LN-4038N
V-LN-S2015C	V-LN-2417F	V-LN-2430H	V-LN-4042K
V-LN-S2015D	V-LN-2417G	V-LN-2430J	V-LN-4042L
V-LN-S2015E	V-LN-2417H	V-LN-2430K	V-LN-4042M
V-LN-S2015F	V-LN-2417J	V-LN-2430L	V-LN-4042N
V-LN-S2015G	V-LN-2417K	V-LN-2430M	V-LN-4042P
V-LN-S2417C	V-LN-2419F	V-LN-2434H	V-LN-4046L
V-LN-S2417D	V-LN-2419G	V-LN-2434J	V-LN-4046M
V-LN-S2417E	V-LN-2419H	V-LN-2434K	V-LN-4046N
V-LN-S2417F	V-LN-2419J	V-LN-2434L	V-LN-4046P
V-LN-S2417G	V-LN-2419K	V-LN-2434M	V-LN-4046Q
	V-LN-2421F	V-LN-2436J	V-LN-4048L
	V-LN-2421G	V-LN-2436K	V-LN-4048M
	V-LN-2421H	V-LN-2436L	V-LN-4048N
	V-LN-2421J	V-LN-2436M	V-LN-4048P
	V-LN-2421K	V-LN-2436N	V-LN-4048Q

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Liang Chi Industry Company, Ltd.
V-LN Line of CTI Certified Cross-flow, Induced-draft, Cooling Towers
CTI Certification Validation Number C20K-20R01
June 28, 2022 (Revision 1)

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.