



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>

February 13, 2024
(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.
LCC-S Line of Crossflow, Induced-draft, Closed Circuit Cooling Towers

Greetings:

The Liang Chi Industry Company, Ltd. line of LCC-S crossflow, induced-draft, closed-circuit cooling towers, with water as the process fluid, as described in your original application and subsequent revisions through October 6, 2023, 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 twelve (12) models included in the CTI Certified LCC-S line is attached for reference.

The LCC-S line of crossflow, induced-draft, closed-circuit cooling towers has been assigned and should begin to use CTI Certification Validation Number C20M-24R00. 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 G. Womack, PE
CTI Thermal Certification Administrator



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Liang Chi Industry Company, Ltd.
LCC-S Line of CTI Certified Crossflow, Closed Circuit Cooling Towers
(With Water as the Process Fluid)
CTI Certification Validation Number C20M-24R00
February 13, 2024 (Revision 0)

LCC-S-50

LCC-S-60

LCC-S-70

LCC-S-80

LCC-S-100

LCC-S-125

LCC-S-150

LCC-S-175

LCC-S-200

LCC-S-225

LCC-S-250

LCC-S-300

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 :
LCC-S-100-C3 where :
LCC-S = Product Line Designator
-100 = Model Number
-C = Cell
3 = Number of Cells (When the number is 1, it stands for the single-cell tower, so LCC-S-100-C1 and LCC-S-100 are identical single-cell towers.)
3. Certification applies only to units with water as the process fluid.
4. Certification includes the optional copper heat exchangers, which result in a 2%-5% capacity increase compared to standard stainless steel heat exchangers, depending on the unit and operating conditions.
5. Certification includes the optional Stainless Steel components that do not affect thermal capacity in addition to standard Hot Dip Galvanized Steel components.
6. Certification includes optional Stainless Steel piping components, except heat exchangers, that do not affect thermal capacity, in addition to standard PVC and Hot Dip Galvanized Steel piping components.
7. Certification includes optional gear and belt reducers that do not affect thermal capacity in addition to standard belt reducers.
8. Certification includes optional Stainless Steel and Hot Dip Galvanized 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.
9. Certification includes optional items that do not affect thermal capacity, such as access ladder, handrails, maintenance platform and walkway, etc.