



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>

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.
LCTR Line (Revision 1) Cooling Towers
2023 Annual Reverification Test

Greetings:

The Cooling Technology Institute (CTI) thermal performance certification for the Liang Chi Industry Company LCTR line (Revision 1) induced-draft, crossflow, cooling towers was granted on July 7, 2022. In addition, the line of LCTR 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 line of LCTR cooling towers continues its existing certification status for 2024, subject to successful completion of the next Annual Reverification Test.

The Liang Chi Industry Company line of LCTR cooling towers should continue to use CTI Certification Validation Number C20H-17R01. 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



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

Liang Chi Industry Company, Ltd.
Series LCTR CTI Certified Crossflow Cooling Towers
CTI Certification Validation Number C20H-17R01
July 7, 2022 (Revision 1)

1011B	1025B	1060B
1011C	1025C	1060C
1011D	1025D	1060D
1012B	1030B	1077B
1012C	1030C	1077C
1012D	1030D	1077D
1016B	1036B	1082B
1016C	1036C	1082C
1016D	1036D	1082D
1018B	1040B	1090B
1018C	1040C	1090C
1018D	1040D	1090D
1021B	1047B	1105B
1021C	1047C	1105C
1021D	1047D	1105D
1022B	1052B	
1022C	1052C	
1022D	1052D	

See Footnotes, Next Page



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

Liang Chi Industry Company, Ltd.
Series LCTR CTI Certified Crossflow Cooling Towers
CTI Certification Validation Number C20H-17R01
July 7, 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 :
LCTR-1022B-C3 where :
LCTR = Product Line Designator
-1022 = Box Size Designator
B = Fan Power Code
-C = Cell
3 = Number of Cells (When the number is 1, it stands for the single-cell tower, so LCTR-1022B-C1 and LCTR-1022B are identical single-cell towers.)
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.