



COOLING TECHNOLOGY INSTITUTE

P. O. Box 73383, Houston, Texas 77273 • 2611 FM 1960 West, Suite A-101, Houston, Texas 77068
Phone: 281.583.4087 • Fax: 281.537.1721 • email: vmanser@cti.org • <http://www.cti.org>

December 1, 2013
(Revision 4)

Mesan Cooling Tower Ltd.
Unit 01, 12/F., Midas Plaza
1 Tai Yau Street, San Po Kong
Kowloon, Hong Kong

Subject: CTI Cooling Tower Certification
Mesan Cooling Tower Ltd.
MXR-KM Series of Open, Cross-flow, Induced-draft Cooling Towers

Gentlemen:

The Mesan Cooling Tower, Ltd., line of MXR-KM Series of open, cross-flow, induced-draft cooling towers, as described in your original application and subsequent revisions through October 28, 2013, 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(13). A listing of the two-hundred-fourteen (214) primary models of the MXR-KM Series of cooling towers currently encompassed by this certification is included with this letter for reference.

The line of Mesan MXR-KM Series cooling towers has been previously assigned and should continue to use CTI Certification Validation Number 08-26-03. You are hereby authorized and encouraged to display the CTI Certification Logo and Certification Validation Number 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 on a different model each year to remain in effect in the subsequent year.

Very truly yours,

Thomas E. Weast, P.E.
CTI Certification Administrator



COOLING TECHNOLOGY INSTITUTE

P. O. Box 73383, Houston, Texas 77273 • 2611 FM 1960 West, Suite A-101, Houston, Texas 77068
 Phone: 281.583.4087 • Fax: 281.537.1721 • email: vmanser@cti.org • http://www.cti.org

Mesan Cooling Tower, Ltd.

MXR-KM Series of CTI Certified Open, Cross-flow, Induced-draft Cooling Towers

CTI Certification Validation Number 08-26-03

December 1, 2013 (Revision 4)

MXR-KM-A1-1.1	MXR-KM-B1-2.2	MXR-KM-C1-3	MXR-KM-D1-4	MXR-KM-F1-5.5	MXR-KM-H1-11	MXR-KM-J1-15
MXR-KM-A1-1.5	MXR-KM-B1-3	MXR-KM-C1-4	MXR-KM-D1-5.5	MXR-KM-F1-7.5	MXR-KM-H1-15	MXR-KM-J1-18.5
MXR-KM-A1-2.2	MXR-KM-B1-4	MXR-KM-C1-5.5	MXR-KM-D1-7.5	MXR-KM-F1-11	MXR-KM-H1-18.5	MXR-KM-J1-22
MXR-KM-A1-3	MXR-KM-B1-5.5	MXR-KM-C1-7.5	MXR-KM-D1-11	MXR-KM-F1-15	MXR-KM-H1-22	MXR-KM-J1-30
MXR-KM-A1-4					MXR-KM-H1-30	MXR-KM-J1-37
	MXR-KM-B2-2.2	MXR-KM-C2-3	MXR-KM-D2-4	MXR-KM-F2-5.5		MXR-KM-J1-45
MXR-KM-A2-1.1	MXR-KM-B2-3	MXR-KM-C2-4	MXR-KM-D2-5.5	MXR-KM-F2-7.5	MXR-KM-H2-11	
MXR-KM-A2-1.5	MXR-KM-B2-4	MXR-KM-C2-5.5	MXR-KM-D2-7.5	MXR-KM-F2-11	MXR-KM-H2-15	MXR-KM-J2-18.5
MXR-KM-A2-2.2	MXR-KM-B2-5.5	MXR-KM-C2-7.5	MXR-KM-D2-11	MXR-KM-F2-15	MXR-KM-H2-18.5	MXR-KM-J2-22
MXR-KM-A2-3	MXR-KM-B2-7.5			MXR-KM-F2-18.5	MXR-KM-H2-22	MXR-KM-J2-30
MXR-KM-A2-4	MXR-KM-B2-11	MXR-KM-C3-4	MXR-KM-D3-4	MXR-KM-F2-22	MXR-KM-H2-30	MXR-KM-J2-37
MXR-KM-A2-5.5		MXR-KM-C3-5.5	MXR-KM-D3-5.5			MXR-KM-J2-45
	MXR-KM-B3-3	MXR-KM-C3-7.5	MXR-KM-D3-7.5	MXR-KM-F3-5.5	MXR-KM-H3-11	
MXR-KM-A3-2.2	MXR-KM-B3-4	MXR-KM-C3-11	MXR-KM-D3-11	MXR-KM-F3-7.5	MXR-KM-H3-15	MXR-KM-J3-18.5
MXR-KM-A3-3	MXR-KM-B3-5.5		MXR-KM-D3-15	MXR-KM-F3-11	MXR-KM-H3-18.5	MXR-KM-J3-22
MXR-KM-A3-4	MXR-KM-B3-7.5	MXR-KM-C4-4		MXR-KM-F3-15	MXR-KM-H3-22	MXR-KM-J3-30
MXR-KM-A3-5.5		MXR-KM-C4-5.5	MXR-KM-D4-4	MXR-KM-F3-18.5	MXR-KM-H3-30	MXR-KM-J3-37
	MXR-KM-B4-3	MXR-KM-C4-7.5	MXR-KM-D4-5.5	MXR-KM-F3-22	MXR-KM-H3-37	MXR-KM-J3-45
MXR-KM-A4-2.2	MXR-KM-B4-4	MXR-KM-C4-11	MXR-KM-D4-7.5			
MXR-KM-A4-3	MXR-KM-B4-5.5		MXR-KM-D4-11		MXR-KM-H4-18.5	
MXR-KM-A4-4	MXR-KM-B4-7.5	MXR-KM-C5-4	MXR-KM-D4-15	MXR-KM-G1-11	MXR-KM-H4-22	MXR-KM-K1-18.5
MXR-KM-A4-5.5		MXR-KM-C5-5.5		MXR-KM-G1-15	MXR-KM-H4-30	MXR-KM-K1-22
	MXR-KM-B5-3	MXR-KM-C5-7.5		MXR-KM-G1-18.5	MXR-KM-H4-37	MXR-KM-K1-30
MXR-KM-A5-2.2	MXR-KM-B5-4	MXR-KM-C5-11	MXR-KM-E1-5.5	MXR-KM-G1-22	MXR-KM-H4-45	MXR-KM-K1-37
MXR-KM-A5-3	MXR-KM-B5-5.5	MXR-KM-C5-15	MXR-KM-E1-7.5	MXR-KM-G1-30	MXR-KM-H4-55	MXR-KM-K1-45
MXR-KM-A5-4	MXR-KM-B5-7.5		MXR-KM-E1-11	MXR-KM-G1-37	MXR-KM-H4-75	
MXR-KM-A5-5.5		MXR-KM-C6-4	MXR-KM-E1-15			MXR-KM-K2-22
MXR-KM-A5-7.5	MXR-KM-B6-3	MXR-KM-C6-5.5		MXR-KM-G2-11		MXR-KM-K2-30
	MXR-KM-B6-4	MXR-KM-C6-7.5	MXR-KM-E2-5.5	MXR-KM-G2-15	MXR-KM-I1-15	MXR-KM-K2-37
MXR-KM-A6-2.2	MXR-KM-B6-5.5	MXR-KM-C6-11	MXR-KM-E2-7.5	MXR-KM-G2-18.5	MXR-KM-I1-18.5	MXR-KM-K2-45
MXR-KM-A6-3	MXR-KM-B6-7.5	MXR-KM-C6-15	MXR-KM-E2-11	MXR-KM-G2-22	MXR-KM-I1-22	MXR-KM-K2-55
MXR-KM-A6-4			MXR-KM-E2-15	MXR-KM-G2-30	MXR-KM-I1-30	
MXR-KM-A6-5.5					MXR-KM-I1-37	MXR-KM-K3-22
MXR-KM-A6-7.5			MXR-KM-E3-5.5	MXR-KM-G3-11		MXR-KM-K3-30
			MXR-KM-E3-7.5	MXR-KM-G3-15	MXR-KM-I2-15	MXR-KM-K3-37
			MXR-KM-E3-11	MXR-KM-G3-18.5	MXR-KM-I2-18.5	MXR-KM-K3-45
			MXR-KM-E3-15	MXR-KM-G3-22	MXR-KM-I2-22	
				MXR-KM-G3-30	MXR-KM-I2-30	
					MXR-KM-I2-37	
					MXR-KM-I2-45	
						MXR-KM-I3-15
						MXR-KM-I3-18.5
						MXR-KM-I3-22
						MXR-KM-I3-30
						MXR-KM-I3-37
						MXR-KM-I3-45
						MXR-KM-I3-55

See Footnotes Below



COOLING TECHNOLOGY INSTITUTE

P. O. Box 73383, Houston, Texas 77273 • 2611 FM 1960 West, Suite A-101, Houston, Texas 77068
Phone: 281.583.4087 • Fax: 281.537.1721 • email: vmanser@cti.org • http://www.cti.org

Mesan Cooling Tower, Ltd.

MXR-KM Series of CTI Certified Open, Cross-flow, Induced-draft Cooling Towers

CTI Certification Validation Number 08-26-03

December 1, 2013 (Revision 4)

Footnotes:

- 1) Add suffix -S4 for SS304 or -S6 for SS316 stainless steel structural members & hardware
- 2) Add suffix -F4 for SS304 or -F6 for SS316 stainless steel casing, structural members & hardware
- 3) Add suffix -G for HDGS casing, structural members & hardware
- 4) Optional additional drift eliminator (incurs 2% capacity reduction compared to standard models)
- 5) Optional additional air inlet louver (incurs 2% capacity reduction compared to standard models)
- 6) Certification includes units with optional gear drive in place of standard belt drive.
- 7) Multiple cell models of the single cell models are also available but not listed

Sample Model Number: MXR-KM-A1-1.1-S6-2 where:

MXR-KM = product line name

A1 = box size designator

1.1 = motor size, kW

S6 = SS316 structural members & hardware

2 = number of cells

Thomas E. Weast

Thomas E. Weast, P.E.
CTI Certification Administrator