



# 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

**King Sun Industry Company, Ltd.  
 HKD Line of CTI Certified Cooling Towers  
 CTI Certification Validation Number C35B-09R06  
 November 27, 2019 (Revision 6)**

**HKD-F Group Models**

1034-FLL	1169-FLN	511-FLH	829-FLL	T030-FLL	T080-FLP
1034-FLM	1169-FLP	511-FLK	829-FLM	T030-FLM	T080-FLR
1034-FLN	1169-FLR	511-FLL	829-FLN	T030-FLN	T080-FLT
1034-FLP	1169-FLT	511-FLM	829-FLP	T030-FLP	T080-FLU
1034-FUL	1169-FUN	511-FUH	829-FUL	T030-FUL	T080-FLV
					T080-FLW
1036-FLM	1279-FLP	514-FLH	831-FLL	T035-FLM	T080-FUP
1036-FLN	1279-FLR	514-FLK	831-FLM	T035-FLN	
1036-FLP	1279-FLT	514-FLL	831-FLN	T035-FLP	T090-FLT
1036-FLR	1279-FLU	514-FLM	831-FLP	T035-FLR	T090-FLU
1036-FUM	1279-FUP	514-FUH	831-FUL	T035-FUM	T090-FLV
					T090-FLW
1039-FLM	1289-FLR	616-FLH		T040-FLM	T090-FLX
1039-FLN	1289-FLT	616-FLK		T040-FLN	T090-FUT
1039-FLP	1289-FLU	616-FLL		T040-FLP	
1039-FLR	1289-FLV	616-FLM		T040-FLR	T100-FLU
1039-FUM	1289-FUR	616-FUH		T040-FUM	T100-FLV
					T100-FLW
1144-FLM	1499-FLR	719-FLH		T050-FLN	T100-FLX
1144-FLN	1499-FLT	719-FLK		T050-FLP	T100-FLY
1144-FLP	1499-FLU	719-FLL		T050-FLR	T100-FUU
1144-FLR	1499-FLV	719-FLM		T050-FLT	
1144-FUM	1499-FUR	719-FUH		T050-FUN	T110-FLU
					T110-FLV
1149-FLM	407-FLF	721-FLK		T060-FLN	T110-FLW
1149-FLN	407-FLG	721-FLL		T060-FLP	T110-FLX
1149-FLP	407-FLH	721-FLM		T060-FLR	T110-FLY
1149-FLR	407-FLK	721-FLN		T060-FLT	T110-FUU
1149-FUM	407-FUF	721-FUK		T060-FLU	
				T060-FUN	
1159-FLN	409-FLG	724-FLK			
1159-FLP	409-FLH	724-FLL		T070-FLP	
1159-FLR	409-FLK	724-FLM		T070-FLR	
1159-FLT	409-FLL	724-FLN		T070-FLT	
1159-FUN	409-FUG	724-FUK		T070-FLU	
				T070-FLV	
				T070-FUP	

**See Footnotes, Last Page**



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**HKD-G Group Models**

1034-GLL	1169-GLN	511-GLH	829-GLL	T040-GLM	T090-GLT
1034-GLM	1169-GLP	511-GLK	829-GLM	T040-GLN	T090-GLU
1034-GLN	1169-GLR	511-GLL	829-GLN	T040-GLP	T090-GLV
1034-GLP	1169-GLT	511-GLM	829-GLP	T040-GLR	T090-GLW
1034-GUL	1169-GUN	511-GUH	829-GUL	T040-GUM	T090-GLX
					T090-GUT
1036-GLM	1279-GLP	514-GLH	831-GLL	T050-GLN	
1036-GLN	1279-GLR	514-GLK	831-GLM	T050-GLP	T100-GLU
1036-GLP	1279-GLT	514-GLL	831-GLN	T050-GLR	T100-GLV
1036-GLR	1279-GLU	514-GLM	831-GLP	T050-GLT	T100-GLW
1036-GUM	1279-GUP	514-GUH	831-GUL	T050-GUN	T100-GLX
					T100-GLY
					T100-GUU
1039-GLM	1289-GLR	616-GLH	T030-GLL	T060-GLN	
1039-GLN	1289-GLT	616-GLK	T030-GLM	T060-GLP	
1039-GLP	1289-GLU	616-GLL	T030-GLN	T060-GLR	
1039-GLR	1289-GLV	616-GLM	T030-GLP	T060-GLT	
1039-GUM	1289-GUR	616-GUH	T030-GUL	T060-GLU	
				T060-GUN	
1144-GLM	1499-GLR	719-GLH	T035-GLM		
1144-GLN	1499-GLT	719-GLK	T035-GLN	T070-GLP	
1144-GLP	1499-GLU	719-GLL	T035-GLP	T070-GLR	
1144-GLR	1499-GLV	719-GLM	T035-GLR	T070-GLT	
1144-GUM	1499-GUR	719-GUH	T035-GUM	T070-GLU	
				T070-GLV	
				T070-GUP	
1149-GLM	407-GLF	721-GLK			
1149-GLN	407-GLG	721-GLL			
1149-GLP	407-GLH	721-GLM		T080-GLP	
1149-GLR	407-GLK	721-GLN		T080-GLR	
1149-GUM	407-GUF	721-GUK		T080-GLT	
				T080-GLU	
				T080-GLV	
				T080-GLW	
				T080-GUP	
1159-GLN	409-GLG	724-GLK			
1159-GLP	409-GLH	724-GLL			
1159-GLR	409-GLK	724-GLM			
1159-GLT	409-GLL	724-GLN			
1159-GUN	409-GUG	724-GUK			

**See Footnotes, Last 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. Certification includes optional items that do not affect thermal performance, for example, access ladder and handrails.
3. The standard side panel material for tower end-walls is FRP (letters F in model type designation). Optional galvanized steel side-panels are available and included in the certification – substitute letter G (example: HKD-409-GLH).
4. Suffix 'X' is affixed to model numbers of units that are not CTI Certified, due either to application or customer-required product accessories or modifications.
5. King Sun Industry Company, Ltd. has the following regional subsidiaries, in each case offering the same CTI certified models of the HKD line:
  - ShangHai King Sun Cooling Equipment Co., Ltd. (No.1296,Cheting Rd , Song-Jiang District, Shanghai, China)
  - King Sun (SanHe) Cooling Equipment Co., Ltd. (No. 327, Yan Gao Road, Yan-Jiao Development Zone, San-He, Hebei, China)

Certified Model Number Example: HKD-409-FLH-C2

- HKD – Line Designation
- 409 – Model Number
- -FL – Indicates FRP casing and basin construction (Note: -GL – galvanized steel construction)
- H – Motor Size Designator
- -C2 – Two cell arrangement of the primary certified model (capacity equals 2 times rated capacity)

Note: One cell: HKD-409-FLH-C1, Two Cell: HKD-409-FLH-C2, Three Cell: HKD-409-FLH-C3, etc.