



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

Truwater Cooling Towers Sdn Bhd EX-S Series of CTI Certified Induced-draft, Cross-flow Cooling Towers CTI Certification Validation Number C41B-12R04 May 5, 2017 (Revision 4)

EXS 0707X	EXS 0810X	EXS 0912Y	EXS 1210B	EXS 1312C	EXS 1412D
EXS 0707Y	EXS 0810Y	EXS 0912Z	EXS 1210C	EXS 1312D	EXS 1412E
EXS 0707Z	EXS 0810Z	EXS 0912A	EXS 1210D	EXS 1312E	EXS 1412F
EXS 0707A	EXS 0810A	EXS 0912B	EXS 1210E	EXS 1312F	EXS 1412G
EXS 0707B	EXS 0810B	EXS 0912C	EXS 1210F	EXS 1312G	EXS 1412H
EXS 0707C	EXS 0810C	EXS 0912D	EXS 1210G	EXS 1312H	EXS 1412I
EXS 0707D	EXS 0810D	EXS 0912E	EXS 1210H	EXS 1312I	EXS 1412J
EXS 0707E	EXS 0810E	EXS 0912F	EXS 1210I	EXS 1312J	EXS 1412K
	EXS 0810F				
EXS 0709X		EXS 1110A	EXS 1212C	EXS 1314D	EXS 1414D
EXS 0709Y	EXS 0811X	EXS 1110B	EXS 1212D	EXS 1314E	EXS 1414E
EXS 0709Z	EXS 0811Y	EXS 1110C	EXS 1212E	EXS 1314F	EXS 1414F
EXS 0709A	EXS 0811Z	EXS 1110D	EXS 1212F	EXS 1314G	EXS 1414G
EXS 0709B	EXS 0811A	EXS 1110E	EXS 1212G	EXS 1314H	EXS 1414H
EXS 0709C	EXS 0811B	EXS 1110F	EXS 1212H	EXS 1314I	EXS 1414I
EXS 0709D	EXS 0811C	EXS 1110G	EXS 1212I	EXS 1314J	EXS 1414J
EXS 0709E	EXS 0811D	EXS 1110H	EXS 1212J	EXS 1314K	EXS 1414K
	EXS 0811E				
EXS 0711X	EXS 0811F	EXS 1112B	EXS 1214C	EXS 1316D	EXS 1416D
EXS 0711Y		EXS 1112C	EXS 1214D	EXS 1316E	EXS 1416E
EXS 0711Z	EXS 0812X	EXS 1112D	EXS 1214E	EXS 1316F	EXS 1416F
EXS 0711A	EXS 0812Y	EXS 1112E	EXS 1214F	EXS 1316G	EXS 1416G
EXS 0711B	EXS 0812Z	EXS 1112F	EXS 1214G	EXS 1316H	EXS 1416H
EXS 0711C	EXS 0812A	EXS 1112G	EXS 1214H	EXS 1316I	EXS 1416I
EXS 0711D	EXS 0812B	EXS 1112H	EXS 1214I	EXS 1316J	EXS 1416J
EXS 0711E	EXS 0812C	EXS 1112I	EXS 1214J	EXS 1316K	EXS 1416K
	EXS 0812D				
EXS 0807X	EXS 0812E	EXS 1114B	EXS 1216C	EXS 1318D	EXS 1418D
EXS 0807Y	EXS 0812F	EXS 1114C	EXS 1216D	EXS 1318E	EXS 1418E
EXS 0807Z		EXS 1114D	EXS 1216E	EXS 1318F	EXS 1418F
EXS 0807A	EXS 0910Y	EXS 1114E	EXS 1216F	EXS 1318G	EXS 1418G
EXS 0807B	EXS 0910Z	EXS 1114F	EXS 1216G	EXS 1318H	EXS 1418H
EXS 0807C	EXS 0910A	EXS 1114G	EXS 1216H	EXS 1318I	EXS 1418I
EXS 0807D	EXS 0910B	EXS 1114H	EXS 1216I	EXS 1318J	EXS 1418J
EXS 0807E	EXS 0910C	EXS 1114I	EXS 1216J	EXS 1318K	EXS 1418K
EXS 0807F	EXS 0910D				
	EXS 0910E	EXS 1209A	EXS 1309B	EXS 1409C	EXS 1420D
EXS 0809X	EXS 0910F	EXS 1209B	EXS 1309C	EXS 1409D	EXS 1420E
EXS 0809Y		EXS 1209C	EXS 1309D	EXS 1409E	EXS 1420F
EXS 0809Z		EXS 1209D	EXS 1309E	EXS 1409F	EXS 1420G
EXS 0809A		EXS 1209E	EXS 1309F	EXS 1409G	EXS 1420H
EXS 0809B		EXS 1209F	EXS 1309G	EXS 1409H	EXS 1420I
EXS 0809C		EXS 1209G	EXS 1309H	EXS 1409I	EXS 1420J
EXS 0809D		EXS 1209H	EXS 1309I	EXS 1409J	EXS 1420K
EXS 0809E		EXS 1209I	EXS 1309J	EXS 1409K	EXS 1420L
EXS 0809F		EXS 1209J			

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Footnotes:

- Certification includes alternate structure materials
Prefix EXS = Hot dipped galvanized steel structure (Standard)
Prefix EXF = Pultruded FRP structure
Prefix EXT = Timber structure
Prefix EXX = Stainless steel structure
- Certification includes alternate drive configurations
Suffix B = Belt & Pulley Drive (Standard)
Suffix G = Gear Reducer Drive
- Certification includes two alternate fan manufacturers for the standard fan (no suffix).
- Certification includes reduced sound level fan options (with noted performance impact), as follows:

Fan Type	Suffix	Performance Reduction
Super Low Noise	S	1%
Ultra Quiet	U	3%
- Certification includes optional items that do not affect thermal performance
Suffix I = Internal inlet pipe
Suffix A = Additional access items {Example - optional handrail and caged ladder}
- Certification does not include optional items that affect thermal performance
Suffix M = Modifications, installations, applications, or accessories not certified
- 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. See example model number below.
- Sample model number: EXS 1110A-2BS
Where: EX = Product line
S = Hot dipped galvanized steel structure
1110 = Nominal box Size
A = Nominal motor size
-2 = Number of cells (for multiple cells, the reference heat rejection capacity is the multiple of the base value)
B = Belt & Pulley Drive
S = Super Low Noise Fan (heat rejection capacity equals 0.99*base value)