



PO Box 681807, Houston, TX 77268 / 13231 Champion Forest Drive, Suite #230, / Houston, TX 77069
Phone: 281.583.4087 / Fax: 281.537.1721 / email: vmanser@cti.org / <http://www.cti.org>

February 5, 2026
(Revision 0)

Form Freva Soğutma Sistemleri Sanayi ve Ticaret A.Ş
Eyüpsultan Mah. İbni Sina
Cad. No: 7 Sancaktepe
İstanbul, Türkiye

Subject: CTI Cooling Tower Certification for the
Form Freva Soğutma Sistemleri Sanayi ve Ticaret A.Ş
TAY Line of Induced-draft, Counter-flow, Cooling Towers

Greetings:

The Form Freva Soğutma Sistemleri Sanayi ve Ticaret A.Ş (Freva) TAY line of counter-flow, induced-draft, cooling towers, as described in your original application, subsequent corrections and clarifications through November 3, 2025, has satisfactorily fulfilled the requirements for certification of thermal performance as set forth in the CTI Certification Standard STD-201(21). A list of the three-hundred-eighteen (318) TAY models currently encompassed by this certification is included with this letter for reference.

The Freva TAY cooling tower line has been assigned and should begin to use CTI Certification Validation Number C155A-26R00. 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.

The certification standard requires the successful completion of a CTI Annual Reverification Test to remain in effect in subsequent years.

Very truly yours,

A handwritten signature in black ink that reads "Michael Womack".

Michael G. Womack, PE
CTI Thermal Certification Administrator



®Cooling Technology Institute



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Form Freva Soğutma Sistemleri Sanayi ve Ticaret A.Ş
TAY Range CTI Certified Cooling Towers
ECC Certification Diploma: 26.01.016
CTI Certification Validation Number: C155A-26R00
February 5, 2026 (Revision 0)

TAY 181209 - 1	TAY 442909 - 1	TAY 592309 - 1	TAY 892109 - 1	TAY 1093509 - 1
TAY 181212 - 1	TAY 442912 - 1	TAY 592312 - 1	TAY 892112 - 1	TAY 1093512 - 1
TAY 181215 - 1	TAY 442915 - 1	TAY 592315 - 1	TAY 892115 - 1	TAY 1093515 - 1
TAY 281209 - 1	TAY 443509 - 1	TAY 592909 - 1	TAY 892309 - 1	TAY 1192109 - 1
TAY 281212 - 1	TAY 443512 - 1	TAY 592912 - 1	TAY 892312 - 1	TAY 1192112 - 1
TAY 281215 - 1	TAY 443515 - 1	TAY 592915 - 1	TAY 892315 - 1	TAY 1192115 - 1
TAY 371209 - 1	TAY 492109 - 1	TAY 593509 - 1	TAY 892909 - 1	TAY 1192309 - 1
TAY 371212 - 1	TAY 492112 - 1	TAY 593512 - 1	TAY 892912 - 1	TAY 1192312 - 1
TAY 371215 - 1	TAY 492115 - 1	TAY 593515 - 1	TAY 892915 - 1	TAY 1192315 - 1
TAY 371609 - 1	TAY 492309 - 1	TAY 642109 - 1	TAY 893509 - 1	TAY 1192909 - 1
TAY 371612 - 1	TAY 492312 - 1	TAY 642112 - 1	TAY 893512 - 1	TAY 1192912 - 1
TAY 371615 - 1	TAY 492315 - 1	TAY 642115 - 1	TAY 893515 - 1	TAY 1192915 - 1
TAY 372109 - 1	TAY 492909 - 1	TAY 642309 - 1	TAY 992109 - 1	TAY 1193509 - 1
TAY 372112 - 1	TAY 492912 - 1	TAY 642312 - 1	TAY 992112 - 1	TAY 1193512 - 1
TAY 372115 - 1	TAY 492915 - 1	TAY 642315 - 1	TAY 992115 - 1	TAY 1193515 - 1
TAY 372309 - 1	TAY 493509 - 1	TAY 642909 - 1	TAY 992309 - 1	TAY 1292109 - 1
TAY 372312 - 1	TAY 493512 - 1	TAY 642912 - 1	TAY 992312 - 1	TAY 1292112 - 1
TAY 372315 - 1	TAY 493515 - 1	TAY 642915 - 1	TAY 992315 - 1	TAY 1292115 - 1
TAY 372909 - 1	TAY 542109 - 1	TAY 643509 - 1	TAY 992909 - 1	TAY 1292309 - 1
TAY 372912 - 1	TAY 542112 - 1	TAY 643512 - 1	TAY 992912 - 1	TAY 1292312 - 1
TAY 372915 - 1	TAY 542115 - 1	TAY 643515 - 1	TAY 992915 - 1	TAY 1292315 - 1
TAY 373509 - 1	TAY 542309 - 1	TAY 742109 - 1	TAY 993509 - 1	TAY 1292909 - 1
TAY 373512 - 1	TAY 542312 - 1	TAY 742112 - 1	TAY 993512 - 1	TAY 1292912 - 1
TAY 373515 - 1	TAY 542315 - 1	TAY 742115 - 1	TAY 993515 - 1	TAY 1292915 - 1
TAY 441609 - 1	TAY 542909 - 1	TAY 742309 - 1	TAY 1092109 - 1	TAY 1293509 - 1
TAY 441612 - 1	TAY 542912 - 1	TAY 742312 - 1	TAY 1092112 - 1	TAY 1293512 - 1
TAY 441615 - 1	TAY 542915 - 1	TAY 742315 - 1	TAY 1092115 - 1	TAY 1293515 - 1
TAY 442109 - 1	TAY 543509 - 1	TAY 742909 - 1	TAY 1092309 - 1	
TAY 442112 - 1	TAY 543512 - 1	TAY 742912 - 1	TAY 1092312 - 1	
TAY 442115 - 1	TAY 543515 - 1	TAY 742915 - 1	TAY 1092315 - 1	
TAY 442309 - 1	TAY 592109 - 1	TAY 743509 - 1	TAY 1092909 - 1	
TAY 442312 - 1	TAY 592112 - 1	TAY 743512 - 1	TAY 1092912 - 1	
TAY 442315 - 1	TAY 592115 - 1	TAY 743515 - 1	TAY 1092915 - 1	

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CTI Certification Validation Number: C155A-26R00
February 5, 2026 (Revision 0)

TAY 181209 - 2	TAY 442909 - 2	TAY 592309 - 2	TAY 892109 - 2	TAY 1093509 - 2
TAY 181212 - 2	TAY 442912 - 2	TAY 592312 - 2	TAY 892112 - 2	TAY 1093512 - 2
TAY 181215 - 2	TAY 442915 - 2	TAY 592315 - 2	TAY 892115 - 2	TAY 1093515 - 2
TAY 281209 - 2	TAY 443509 - 2	TAY 592909 - 2	TAY 892309 - 2	TAY 1192109 - 2
TAY 281212 - 2	TAY 443512 - 2	TAY 592912 - 2	TAY 892312 - 2	TAY 1192112 - 2
TAY 281215 - 2	TAY 443515 - 2	TAY 592915 - 2	TAY 892315 - 2	TAY 1192115 - 2
TAY 371209 - 2	TAY 492109 - 2	TAY 593509 - 2	TAY 892909 - 2	TAY 1192309 - 2
TAY 371212 - 2	TAY 492112 - 2	TAY 593512 - 2	TAY 892912 - 2	TAY 1192312 - 2
TAY 371215 - 2	TAY 492115 - 2	TAY 593515 - 2	TAY 892915 - 2	TAY 1192315 - 2
TAY 371609 - 2	TAY 492309 - 2	TAY 642109 - 2	TAY 893509 - 2	TAY 1192909 - 2
TAY 371612 - 2	TAY 492312 - 2	TAY 642112 - 2	TAY 893512 - 2	TAY 1192912 - 2
TAY 371615 - 2	TAY 492315 - 2	TAY 642115 - 2	TAY 893515 - 2	TAY 1192915 - 2
TAY 372109 - 2	TAY 492909 - 2	TAY 642309 - 2	TAY 992109 - 2	TAY 1193509 - 2
TAY 372112 - 2	TAY 492912 - 2	TAY 642312 - 2	TAY 992112 - 2	TAY 1193512 - 2
TAY 372115 - 2	TAY 492915 - 2	TAY 642315 - 2	TAY 992115 - 2	TAY 1193515 - 2
TAY 372309 - 2	TAY 493509 - 2	TAY 642909 - 2	TAY 992309 - 2	TAY 1292109 - 2
TAY 372312 - 2	TAY 493512 - 2	TAY 642912 - 2	TAY 992312 - 2	TAY 1292112 - 2
TAY 372315 - 2	TAY 493515 - 2	TAY 642915 - 2	TAY 992315 - 2	TAY 1292115 - 2
TAY 372909 - 2	TAY 542109 - 2	TAY 643509 - 2	TAY 992909 - 2	TAY 1292309 - 2
TAY 372912 - 2	TAY 542112 - 2	TAY 643512 - 2	TAY 992912 - 2	TAY 1292312 - 2
TAY 372915 - 2	TAY 542115 - 2	TAY 643515 - 2	TAY 992915 - 2	TAY 1292315 - 2
TAY 373509 - 2	TAY 542309 - 2	TAY 742109 - 2	TAY 993509 - 2	TAY 1292909 - 2
TAY 373512 - 2	TAY 542312 - 2	TAY 742112 - 2	TAY 993512 - 2	TAY 1292912 - 2
TAY 373515 - 2	TAY 542315 - 2	TAY 742115 - 2	TAY 993515 - 2	TAY 1292915 - 2
TAY 441609 - 2	TAY 542909 - 2	TAY 742309 - 2	TAY 1092109 - 2	TAY 1293509 - 2
TAY 441612 - 2	TAY 542912 - 2	TAY 742312 - 2	TAY 1092112 - 2	TAY 1293512 - 2
TAY 441615 - 2	TAY 542915 - 2	TAY 742315 - 2	TAY 1092115 - 2	TAY 1293515 - 2
TAY 442109 - 2	TAY 543509 - 2	TAY 742909 - 2	TAY 1092309 - 2	
TAY 442112 - 2	TAY 543512 - 2	TAY 742912 - 2	TAY 1092312 - 2	
TAY 442115 - 2	TAY 543515 - 2	TAY 742915 - 2	TAY 1092315 - 2	
TAY 442309 - 2	TAY 592109 - 2	TAY 743509 - 2	TAY 1092909 - 2	
TAY 442312 - 2	TAY 592112 - 2	TAY 743512 - 2	TAY 1092912 - 2	
TAY 442315 - 2	TAY 592115 - 2	TAY 743515 - 2	TAY 1092915 - 2	

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Footnotes to Certified Model List

1. Certification includes execution with Galvanized Steel structural panels. Galvanized steel construction parts include basin, air inlet louver steel parts, fill section supports, all casing materials, deck and fan stack.
2. Certification includes execution with Stainless Steel structural panels (suffix FSS). Stainless steel construction parts include basin, air inlet louver steel parts, fill section supports, all casing materials, deck and fan stack.
3. Certification includes execution with FRP basin supports and galvanized steel structural components (suffix FFG), as follows:
 - Basin is FRP,
 - Air inlet louver's parts are Galvanized Steel,
 - Fill section's supports are Galvanized Steel,
 - All of casing materials are FRP,
 - Deck is FRP,
 - Fan stacks are Galvanized Steel.
4. Certification includes execution with stainless steel basin and louver supports and galvanized steel structural components (suffix FSG), as follows:
 - Basin is Stainless Steel,
 - Air inlet louver's steel parts are Stainless Steel,
 - Fill section's supports are Galvanized Steel,
 - All of casing materials are Galvanized Steel,
 - Deck is Galvanized Steel,
 - Fan stacks are Galvanized Steel.
5. Certification includes execution with FRP structural panels (suffix FFRP). FRP construction parts include basin, air inlet louver FRP parts, fill section supports, all casing materials, deck and fan stack
6. Certification includes units with optional gear drive in place of standard belt drive or standard direct drive.
7. Certification includes use of optional water silencers.
8. Certification includes use of optional external platforms/ladders for access.
9. Certification includes use of offset sound attenuation walls.
10. Certification includes execution with optional two-speed motor. However, certified capacity ratings only applicable for higher speed setting.
11. Certification includes execution with ATEX electric components (suffix FATEX)

Example Model Number : TAY 442312 – 2FSG

TAY : Line Designation

442312-2 : Model Number

FSG: Construction Material Options (see footnotes above)