



# COOLING TECHNOLOGY INSTITUTE

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December 22, 2017  
(Revision 0)

Cenk Endüstri Tesisleri İmalat Ve Taahüt A.Ş.  
Gursel Mah. İmrahor Cad. No.7  
Kagithane - Istanbul / TURKEY

Subject: CTI Cooling Tower Certification for the  
Cenk Endüstri Tesisleri İmalat Ve Taahüt A.Ş. (Cenk)  
LEON Line of Induced-draft, Counter-flow, Closed Circuit Cooling Towers

Greetings:

The Cenk Endüstri Tesisleri İmalat Ve Taahüt A.Ş. (Cenk) LEON line of counter-flow, induced-draft, closed-circuit cooling towers, with water as the process fluid, as described in your original application and subsequent corrections and clarifications through November 17, 2017, has satisfactorily fulfilled the requirements for certification of thermal performance as set forth in the CTI Certification Standard STD-201(15). A list of the one-hundred-seventy-five (175) LEON models currently encompassed by this certification is included with this letter for reference.

The Cenk LEON closed-circuit cooling tower line has been assigned and should begin to use CTI Certification Validation Number C89A-17R00. 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,

Michael G. Womack, PE  
CTI Thermal Certification Administrator



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**Cenk Endüstri Tesisleri İmalat Ve Taahüt A.Ş. (Cenk)  
LEON CTI Certified Closed Circuit Cooling Towers  
With Water as the Process Fluid  
ECC Certification Diploma: 17.12.003  
CTI Certification Validation Number: C89A-17R00  
December 22, 2017 (Revision 0)**

## Single Cell Models

A.06.01	E.06.01	K.06.01	P.06.01	U.06.01
A.06.02	E.06.02	K.06.02	P.06.02	U.06.02
A.08.01	E.08.01	K.08.01	P.08.01	U.08.01
A.08.02	E.08.02	K.08.02	P.08.02	U.08.02
A.10.01	E.10.01	K.10.01	P.10.01	U.10.01
A.10.02	E.10.02	K.10.02	P.10.02	U.10.02
B.06.01	H.06.01	L.06.01	R.06.01	U8-II
B.06.02	H.06.02	L.06.02	R.06.02	
B.08.01	H.08.01	L.08.01	R.08.01	
B.08.02	H.08.02	L.08.02	R.08.02	
B.10.01	H.10.01	L.10.01	R.10.01	
B.10.02	H.10.02	L.10.02	R.10.02	
C.06.01	I.06.01	M.06.01	S.06.01	
C.06.02	I.06.02	M.06.02	S.06.02	
C.08.01	I.08.01	M.08.01	S.08.01	
C.08.02	I.08.02	M.08.02	S.08.02	
C.10.01	I.10.01	M.10.01	S.10.01	
C.10.02	I.10.02	M.10.02	S.10.02	
D.06.01	J.06.01	N.06.01	T.06.01	
D.06.02	J.06.02	N.06.02	T.06.02	
D.08.01	J.08.01	N.08.01	T.08.01	
D.08.02	J.08.02	N.08.02	T.08.02	
D.10.01	J.10.01	N.10.01	T.10.01	
D.10.02	J.10.02	N.10.02	T.10.02	

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### Two Cell Models

2 x H.06.01	2 x K.06.01	2 x N.06.01	2 x S.06.01
2 x H.06.02	2 x K.06.02	2 x N.06.02	2 x S.06.02
2 x H.08.01	2 x K.08.01	2 x N.08.01	2 x S.08.01
2 x H.08.02	2 x K.08.02	2 x N.08.02	2 x S.08.02
2 x H.10.01	2 x K.10.01	2 x N.10.01	2 x S.10.01
2 x H.10.02	2 x K.10.02	2 x N.10.02	2 x S.10.02
2 x I.06.01	2 x L.06.01	2 x P.06.01	2 x T.06.01
2 x I.06.02	2 x L.06.02	2 x P.06.02	2 x T.06.02
2 x I.08.01	2 x L.08.01	2 x P.08.01	2 x T.08.01
2 x I.08.02	2 x L.08.02	2 x P.08.02	2 x T.08.02
2 x I.10.01	2 x L.10.01	2 x P.10.01	2 x T.10.01
2 x I.10.02	2 x L.10.02	2 x P.10.02	2 x T.10.02
2 x J.06.01	2 x M.06.01	2 x R.06.01	2 x U.06.01
2 x J.06.02	2 x M.06.02	2 x R.06.02	2 x U.06.02
2 x J.08.01	2 x M.08.01	2 x R.08.01	2 x U.08.01
2 x J.08.02	2 x M.08.02	2 x R.08.02	2 x U.08.02
2 x J.10.01	2 x M.10.01	2 x R.10.01	2 x U.10.01
2 x J.10.02	2 x M.10.02	2 x R.10.02	2 x U.10.02

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## **Footnotes to Certified Model List – LEON CCCT Line:**

1. Certification includes execution with Galvanized Steel structural panels. Galvanized steel construction parts include basin, air inlet louver steel parts, heat exchanger section supports, all casing materials, deck and fan stack.
2. Certification includes execution with Stainless Steel structural panels (suffix SS). Stainless steel construction parts include basin, air inlet louver steel parts, heat exchanger section supports, all casing materials, deck and fan stack.
3. Certification includes execution with stainless steel basin and louver supports and galvanized steel structural components (suffix SG), as follows:
  - Basin is Stainless Steel,
  - Air inlet louver's steel parts are Stainless Steel,
  - Heat exchanger section's supports are Galvanized Steel,
  - All of casing materials are Galvanized Steel,
  - Deck is Galvanized Steel,
  - Fan stacks are Galvanized Steel,
4. Certification includes execution with GRP basin and GRP casing (suffix GRP), as follows:
  - Basin is GRP,
  - Air inlet louver's steel parts are Stainless Steel or Galvanized Steel,
  - Heat exchanger section's supports are Galvanized Steel,
  - All of casing materials are GRP,
  - Deck is GRP,
  - Fan stacks are GRP or galvanized steel or stainless steel,
5. Certification includes units with optional gear drive in place of standard belt drive or standard direct drive.
6. Certification includes use of optional water silencers.
7. Certification includes use of optional external platforms/ladders for access.
8. Certification includes use of offset sound attenuation walls.
9. Certification includes execution with optional two-speed motor. However, certified capacity ratings only applicable for higher speed setting.
10. Certification includes execution with ATEX electric components (suffix ATEX)
11. Certification includes use of optional stainless steel heat exchanger (suffix HES). Stainless steel heat exchanger decreases cooling capacity 4%.
12. Certification includes use of optional silent axial fans (suffix L) on LEON P-R-S-T-U type model lines. Low sound fan decreases cooling capacity 2%.