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Phone: 281.583.4087 / Fax: 281.537.1721 / email: vmanser@cti.org / <http://www.cti.org>

January 7, 2026
(Revision 5)

COFINAIR S.A.S.
11, rue Jean Moulin
77340 Pontault-Combault / France

Subject: CTI Thermal Certification for the COFINAIR S.A.S.
Line of IOCT Cooling Towers

Greetings:

The COFINAIR S.A.S. IOCT line, induced-draft, counter-flow cooling towers, as described in their original application, subsequent revisions, and clarifications through October 27, 2025, 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(21). A list of the one-hundred-seventy-one (171) primary models in the COFINAIR S.A.S. IOCT line cooling towers currently encompassed by this certification is included with this letter for reference.

The COFINAIR S.A.S. IOCT line of cooling towers has been assigned and should use CTI Certification Validation Number C46C-16R05 for the line of towers. You are hereby authorized and encouraged to properly display the CTI Certification Logo in all pertinent literature for the line and required to affix the CTI Certification Label to all towers comprising the line, as provided in the Certification Standard.

This CTI Certification 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". The signature is written in a cursive style.

Michael G. Womack, PE
CTI Thermal Certification Administrator



®Cooling Technology Institute



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IOCT Series - VAP

VAP-24-24D-MA-110	VAP-24-24D-MK-110	VAP-24-24D-NS-110
VAP-24-24-MA-110	VAP-24-24-MK-110	VAP-24-24-NS-110
VAP-29-24-MA-150	VAP-29-24-MK-150	VAP-29-24-NS-150
VAP-30-30-MA-185	VAP-30-30-MK-185	VAP-30-30-NS-185
VAP-35-30-MA-220	VAP-35-30-MK-220	VAP-35-30-NS-220
VAP-35-35-MA-220	VAP-35-35-MK-220	VAP-35-35-NS-220
VAP-35-35-MA-300	VAP-35-35-MK-300	VAP-35-35-NS-300
VAP-40-40-MA-370	VAP-40-40-MK-370	VAP-40-40-NS-370
VAP-45-45-MA-450	VAP-45-45-MK-450	VAP-45-45-NS-450

See Footnotes, IOCT-VAP Last Pages



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IOCT Series- Zenit

ZTO-x-1-E10-D6-01829-PA-By	ZTO-x-1-E10-D6-01829-PS-By
ZTO-x-2-E10-D6-03629-PA-By	ZTO-x-2-E10-D6-03629-PS-By
ZTO-x-3-E10-D6-05429-PA-By	ZTO-x-3-E10-D6-05429-PS-By
ZTO-x-4-E10-D6-07229-PA-By	ZTO-x-4-E10-D6-07229-PS-By
ZTO-x-5-E10-D6-09029-PA-By	ZTO-x-5-E10-D6-09029-PS-By
ZTO-x-6-E10-D6-10829-PA-By	ZTO-x-6-E10-D6-10829-PS-By
ZTO-x-7-E10-D6-12629-PA-By	ZTO-x-7-E10-D6-12629-PS-By

Significance of Material Designator “x” defined In Footnote 1, last pages.
Significance of Basin Designator “y” defined in Footnote 2, last pages.

IOCT Series- Zenit (Alternate Fan)

ZTO-x-1-E10-D7-01829-PA-By	ZTO-x-1-E10-D7-01829-PS-By
ZTO-x-2-E10-D7-03629-PA-By	ZTO-x-2-E10-D7-03629-PS-By
ZTO-x-3-E10-D7-05429-PA-By	ZTO-x-3-E10-D7-05429-PS-By
ZTO-x-4-E10-D7-07229-PA-By	ZTO-x-4-E10-D7-07229-PS-By
ZTO-x-5-E10-D7-09029-PA-By	ZTO-x-5-E10-D7-09029-PS-By
ZTO-x-6-E10-D7-10829-PA-By	ZTO-x-6-E10-D7-10829-PS-By
ZTO-x-7-E10-D7-12629-PA-By	ZTO-x-7-E10-D7-12629-PS-By

Significance of Material Designator “x” defined In Footnote 1, last pages.
Significance of Basin Designator “y” defined in Footnote 2, last pages.

See Footnotes, IOCT-Zenit, Last Pages

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IOCT Series – TMA-EU-One-Cell Models (12mm Fill)

08-24 (*)	11-131	19-195
08-26 (*)	11-131T	19-195T
08-29 (*)	11-145	19-195G
	11-145T	19-211
08-36 (*)	11-153	19-211T
08-40 (*)	11-153T	19-211G
08-44 (*)		
	14-145	19-189T
08-55 (*)	14-145T	19-189G
08-58 (*)	14-145G	19-248T
08-67 (*)	14-166	19-248G
	14-166T	19-260T
08-76 (*)	14-166G	19-260G
08-76T (*)	14-179	19-288T
08-84 (*)	14-179T	19-288G
08-84T (*)	14-179G	
08-90 (*)		19-218T
08-90T (*)		19-218G
		19-262T
08-96		19-262G
08-96T		19-300T
08-103		19-300G
08-103T		19-316T
08-109		19-316G
08-109T		

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Models marked with (*) available with standard fan, only. All other models available with standard fan or Stealth (low-sound) option – See footnote 11, IOCT-TMA-EU, Last Pages

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IOCT Series – TMA-EU-Two-Cell Models (12mm Fill)

20-152	24-289	29-378T
20-152T	24-289T	29-378G
20-168	24-289G	29-498T
20-168T	24-331	29-498G
20-180	24-331T	29-520T
20-180T	24-331G	29-520G
	24-358	29-577T
20-191	24-358T	29-577G
20-191T	24-358G	
20-207		29-436T
20-207T	29-390	29-436G
20-219	29-390T	29-525T
20-219T	29-390G	29-525G
	29-422	29-600T
21-261	29-422T	29-600G
21-261T	29-422G	29-633T
21-276		29-633G
21-276T		
21-291		
21-291T		

IOCT Series – TMA-EU-Three-Cell Models (12mm Fill)

31-392	34-434	39-585
31-392T	34-434T	39-585T
31-435	34-434G	39-585G
31-435T	34-497	39-633
31-458	34-497T	39-633T
31-458T	34-497G	39-633G
	34-537	
	34-537T	
	34-537G	

See Footnotes, Last Pages

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IOCT Series – TMA-EU-One-Cell Models (19mm Fill)

08-24-WF (*)	11-131-WF	19-195-WF
08-26-WF (*)	11-131T-WF	19-195T-WF
08-29-WF (*)	11-145-WF	19-195G-WF
	11-145T-WF	19-211-WF
08-36-WF (*)	11-153-WF	19-211T-WF
08-40-WF (*)	11-153T-WF	19-211G-WF
08-44-WF (*)		
	14-145-WF	19-189T-WF
08-55-WF (*)	14-145T-WF	19-189G-WF
08-58-WF (*)	14-145G-WF	19-248T-WF
08-67-WF (*)	14-166-WF	19-248G-WF
	14-166T-WF	19-260T-WF
08-76-WF (*)	14-166G-WF	19-260G-WF
08-76T-WF (*)	14-179-WF	19-288T-WF
08-84-WF (*)	14-179T-WF	19-288G-WF
08-84T-WF (*)	14-179G-WF	
08-90-WF (*)		19-218T-WF
08-90T-WF (*)		19-218G-WF
		19-262T-WF
08-96-WF		19-262G-WF
08-96T-WF		19-300T-WF
08-103-WF		19-300G-WF
08-103T-WF		19-316T-WF
08-109-WF		19-316G-WF
08-109T-WF		

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IOCT Series – TMA-EU-Two-Cell Models (19mm Fill)

20-152-WF	24-289-WF	29-378T-WF
20-152T-WF	24-289T-WF	29-378G-WF
20-168-WF	24-289G-WF	29-498T-WF
20-168T-WF	24-331-WF	29-498G-WF
20-180-WF	24-331T-WF	29-520T-WF
20-180T-WF	24-331G-WF	29-520G-WF
	24-358-WF	29-577T-WF
20-191-WF	24-358T-WF	29-577G-WF
20-191T-WF	24-358G-WF	
20-207-WF		29-436T-WF
20-207T-WF	29-390-WF	29-436G-WF
20-219-WF	29-390T-WF	29-525T-WF
20-219T-WF	29-390G-WF	29-525G-WF
	29-422-WF	29-600T-WF
21-261-WF	29-422T-WF	29-600G-WF
21-261T-WF	29-422G-WF	29-633T-WF
21-276-WF		29-633G-WF
21-276T-WF		
21-291-WF		
21-291T-WF		

IOCT Series – TMA-EU-Three-Cell Models (19mm Fill)

31-392-WF	34-434-WF	39-585-WF
31-392T-WF	34-434T-WF	39-585T-WF
31-435-WF	34-434G-WF	39-585G-WF
31-435T-WF	34-497-WF	39-633-WF
31-458-WF	34-497T-WF	39-633T-WF
31-458T-WF	34-497G-WF	39-633G-WF
	34-537-WF	
	34-537T-WF	
	34-537G-WF	

See Footnotes, Last Pages

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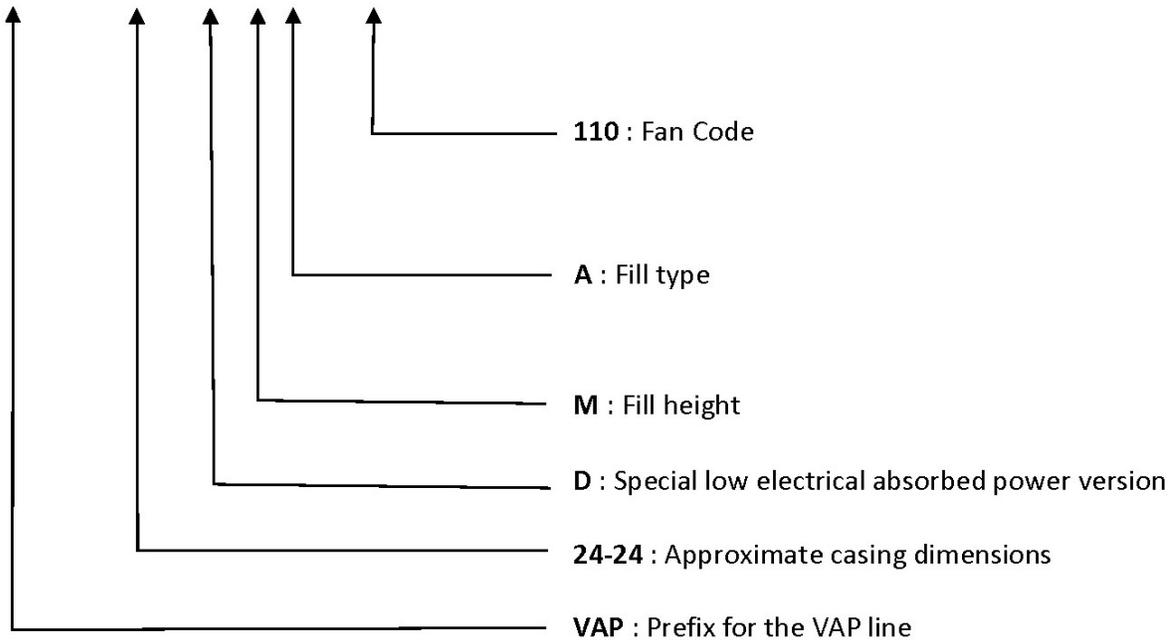
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FOOTNOTES (IOCT – VAP):

1. Cofinair S.A.S. has the following regional subsidiaries, in each case offering the same CTI certified models of the IOCT - VAP line:
 - Decsa srl (address: Via Cappelletta, 1, 1 27058 Voghera, Italy)
 - Jacir (address: 11 Rue Jean Moulin, 77348 Pontault Combault, France)
 - Gohl-KTK (address: Schlosserstr. 5, 76448 Durmersheim, Germany)

Example Model Number:

VAPX-24-24D-MA-110



Note: For standard models, the panels of the casing are made of FRP (Fiberglass Reinforced Polyester). Optional stainless steel panels are also available. In that case, the letter "X" is added just after the prefix VAP.

Footnotes Continued, Next Page

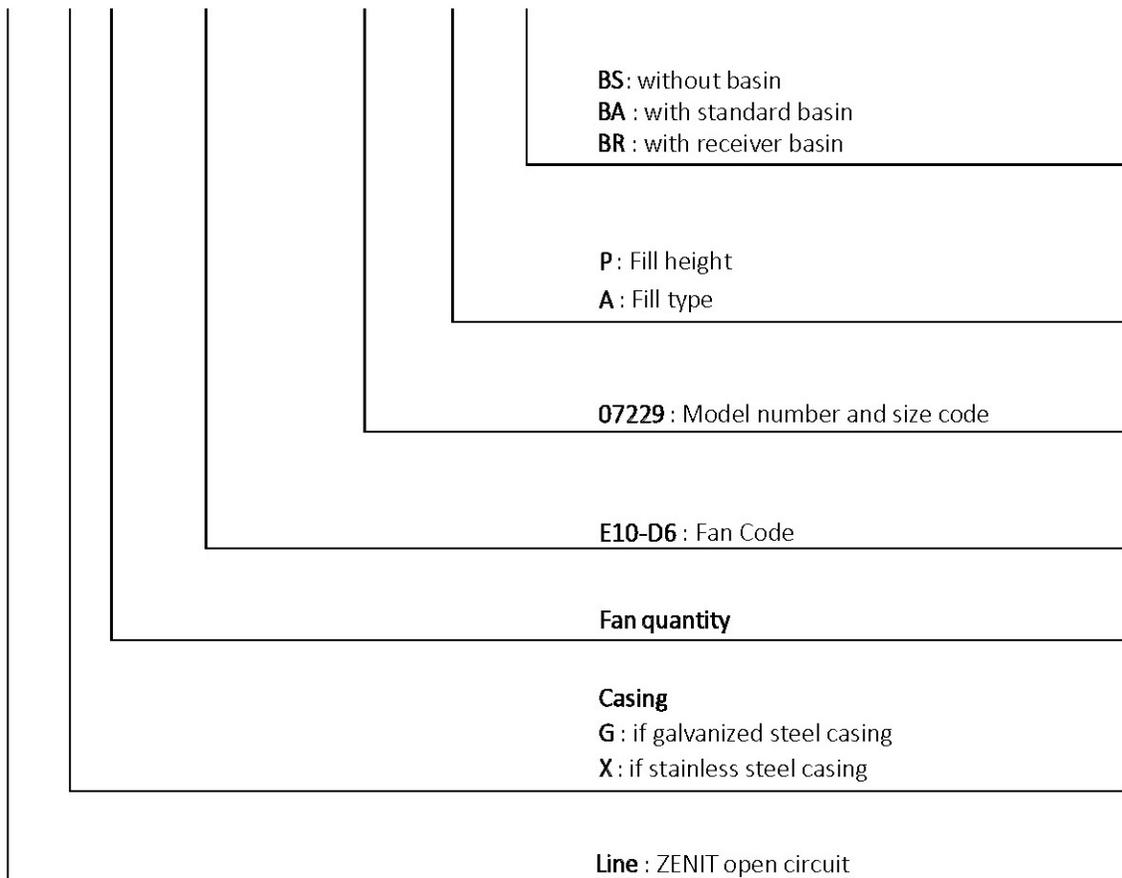
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FOOTNOTES (IOCT – Zenit):

1. Cofinair S.A.S. has the following regional subsidiaries, in each case offering the same CTI certified models of the IOCT - Zenit line:
 - Decsa srl (address: Via Cappelletta, 1, 1 27058 Voghera, Italy)
 - Jacir (address: 11 Rue Jean Moulin, 77348 Pontault Combault, France)
 - Gohl-KTK (address: Schlosserstr. 5, 76448 Durmersheim, Germany)

Example Model Number:

ZTO-X-4-E10-D6-07229-PA-BA



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Footnotes (IOCT - TMA-EU):

1. Certification includes units with optional gear drive (suffix G) or belt drive (suffix T) in place of standard direct coupling
2. Certification includes use of optional water silencers.
3. Certification includes use of optional external platforms/ladders for access.
4. Certification includes execution with FRP structural panels (suffix FRP)
5. Certification includes execution with Stainless Steel structural panels (suffix INOX)
6. Certification includes use of galvanized steel air inlet louvers instead of PVC
7. Certification includes execution with air inlet louvers section and exchange section, without basin section (suffix SS+SG)
8. Certification includes execution without air inlet louvers section and basin section when TMA-EU are installed on remote sump, with 1.2m free space from water level and 1.2m free space on sides for air entrance (suffix SS).
9. Certification includes execution with ATEX electric components (suffix ATEX)
10. Certification includes execution with optional two-speed motor. However, certified capacity ratings only applicable for higher speed setting.
11. Certification includes execution with optional Stealth fan (suffix SH). Certified capacity ratings stay the same with either fan choice. However, fan rated power per model may be affected. See manufacturer's published data for details.
12. TMA-EU Models with optional Wave 19 fill media (suffix WF) are included in the certification.
13. TMA-EU Models with splash fill are not certified: "-X" suffix will be added to model (Example: TMA-EU 19-300T-X)
14. Certification includes two optional nozzle types with no impact on the model capacity ratings.
15. Cofinair S.A.S. has the following regional subsidiaries, in each case offering the same CTI certified models of the TMA-EU line:
 - Decsa srl (address: Via Cappelletta, 1, 1 27058 Voghera, Italy)
 - Jacir (address: 11 Rue Jean Moulin, 77348 Pontault Combault, France)
 - Gohl-KTK (address: Schlosserstr. 5, 76448 Durmersheim, Germany)

Certified Model Number Example: TMA-EU 29-378G/FRP SH

TMA-EU – Product Designation

29-378 – Model Number (two-cell model)

G – Optional Gearbox Drive

FRP – Construction with optional FRP Structural Panels

SH – Stealth fan