



Baltimore Aircoil Company, Inc. (BAC)

Nexus™ Modular Hybrid Cooler (NXF Series)

Closed Circuit Cooler Line

ECC Certification Diploma: 18.02.008

Valid until: 2025-03-31

CTI Certification Validation Number C11Q-18R02

April 18, 2023 (Revision 2)

NXF-0403N-CS2TT-H1

NXF-0403E-CS2TT-H1

NXF-0403N-CS2TS-H1

NXF-0403E-CS2TS-H1

NXF-0603N-CS2TT-J1

NXF-0603E-CS2TT-J1

NXF-0603N-CS2TS-J1

NXF-0603E-CS2TS-J1

See Optional Accessories and Construction Table, Page 2

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NXF Optional Accessories and Construction – Certification Status

Construction Options	Suffix	CTI Certified	Capacity Adjustment Required
Positive Closure Damper (PCD) Hood	W	Yes	Note 2
Discharge Attenuation	Z	Yes	Note 3
Tapered Hood	T	Yes	Note 4
Tapered Hood and PCD	H	Yes	Note 5
Intake Attenuation	I	Yes	Note 6
Non-Combustible	C	Yes	Note 11
Not CTI Certified	X	No	Note 12

Notes:

- 1) Typically, no suffix is used for an accessory or modification that does not affect capacity.
- 2) Positive Closure Dampers (PCD) option incurs a capacity reduction of up to 1%, depending on the model and operating conditions.
- 3) Discharge attenuation option incurs a capacity reduction of up to 8%, depending on the model and operating conditions.
- 4) Tapered hood option incurs a capacity reduction of up to 9%, depending on the model and operating conditions.
- 5) Tapered hood with PCD option incurs a capacity reduction of up to 9%, depending on the model and operating conditions.
- 6) Intake attenuation option incurs a capacity reduction of up to 7%, depending on the model and operating conditions.
- 7) Multiple modules of the single modules above are available and CTI certified but not listed.
- 8) Units with multiple materials of construction options are certified.
- 9) Upgraded structure units are certified and require no capacity adjustment.
- 10) The CTI thermal performance certification applies only to units with water, ethylene glycol solutions and propylene glycol solutions with concentrations up to 60% as the process fluid.
- 11) Non-Combustible option incurs a capacity reduction of 3%.
- 12) This suffix is affixed to model numbers of units that are not CTI certified, either due to applications or product accessories or modifications to the unit.

Example Model Number: NXF-0403N-CS2TS-H2

NXF - Product Line Designation

-0403N-CS2TS - Model Number and Configuration Codes (Note: Modifiers N and E denote manufacturing region)

-H - Fan Size Code

2 - Two Module Combination of Primary Single Module Model Listed Above (capacity equals 2 times individual module rated capacity)

Additional notes: For ECP (Eurovent Certita Certification) certification no NXF-E or N products are certified, however for co-ordination with CTI these models can be used to accept STD 201 Thermal test requirement.

C11Q BAC Nexus NXF Series Line of CTI Certified Closed Circuit Cooling Towers

Catalog Information, Selection and Disclosures:

Information – NXF Series:

[Nexus Modular Hybrid Cooler | Hybrid Cooling | Baltimore Aircoil Company](#)

Selection Table – NXF Series :

[nexus_cti_tables_20180220.pdf \(baltimoreaircoil.com\)](#)

Pressure Drop Table – NXF Series:

[nexus_cti_tables_20180221_flow.pdf \(baltimoreaircoil.com\)](#)

BAC Website:

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