

TANK-MOUNTED OIL AIR COOLER — PRODUCT OVERVIEW

PRODUCT OVERVIEW

Tank-Mounted Oil Air Cooler — Product Overview

Transformer Cooling Systems · Tank-Mounted Oil Air Cooler

Novaryn tank-mounted transformer coolers are arranged for close integration with the transformer body, simplified oil piping, corrosion-aware outdoor service, and low-noise fan selection for substations and industrial power assets.

Mounting

Direct transformer tank mounting

Cooling path

Forced oil to ambient air

Planning focus

Noise, corrosion, access, and oil pressure drop

STANDARDS & MATERIALS

The framework behind the line.

Design standards

IEC 60076-2 · IEC 60076-7 · IEEE C57.12.00 · ASME VIII Div. 1

Material scope

Hot-dip galvanised steel · Aluminium · Copper · Stainless steel · C5-M coating

Applications

Grid · Solar, wind, hydro · Industrial cooling processes · LNG · Diesel and electric rail

Series depth

2 series · three planning sizes each

At a glance

- Direct tank integration
- Shorter oil circuit
- Outdoor corrosion protection
- Fan noise planning

Typical applications

- Grid
- Solar, wind, hydro
- Industrial cooling processes
- LNG
- Diesel and electric rail

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SERIES

Series ledger

Configuration routes inside this line. Series codes are Novaryn references; project-specific model codes are confirmed on the order.

CODE	SERIES	RANGE / APPLICATION	CONFIGURATION
NX-TC-093	TMOAC-Compact	Tank-mounted module	Substation footprint control · Direct oil connection
NX-TC-094	TMOAC-LowNoise	Sound-sensitive sites	Fan selection route · Grid and urban substations

Representative planning data. Certified ratings, dimensions, connection details and material schedules are issued against the project duty point.

How to read the series

The series entry defines the configuration route. The line datasheet carries the planning tables. The project datasheet replaces both with certified ratings, dimensions, connections and material schedules.



TANK-MOUNTED OIL AIR COOLER – REPRESENTATIVE NOVARYN EQUIPMENT

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VARIANTS

Planning variants

Representative planning grid with three nominal sizes per series. Not for construction or procurement.

SERIES	MODEL	COOLING CAPACITY	OIL FLOW	MOUNTING	PART NUMBER
TMOAC-Compact	NX-TC-093-S	100 kW	10 m³/h	Free-standing	NX-TC-093-S
TMOAC-Compact	NX-TC-093-M	200 kW	20 m³/h	Remote	NX-TC-093-M
TMOAC-Compact	NX-TC-093-L	300 kW	30 m³/h	Tank-mounted	NX-TC-093-L
TMOAC-LowNoise	NX-TC-094-S	200 kW	20 m³/h	Remote	NX-TC-094-S
TMOAC-LowNoise	NX-TC-094-M	300 kW	30 m³/h	Tank-mounted	NX-TC-094-M
TMOAC-LowNoise	NX-TC-094-L	400 kW	40 m³/h	Free-standing	NX-TC-094-L

Part numbers shown are catalogue planning references. Ordering codes incorporate the project revision, connection schedule and material options.

Selection inputs

Bring the media, flow, temperatures, design pressure, ambient conditions and allowable pressure drop. Those five inputs frame the thermal and mechanical envelope.



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APPLIED

Where the line belongs.

Typical applications and the engineering intentions behind the configuration.

- Direct tank integration
- Shorter oil circuit
- Outdoor corrosion protection
- Fan noise planning

Application scope

- Grid
- Solar, wind, hydro
- Industrial cooling processes
- LNG
- Diesel and electric rail

DOCUMENTATION

Documents

Download the datasheet, GA drawing and this overview from the product library.

DOCUMENT	TYPE	REV.	PAGES	ACCESS
Tank-Mounted Oil Air Cooler Datasheet	Datasheet	Rev. 04	2	Download
Tank-Mounted Oil Air Cooler — Product Overview	Product overview	Rev. 04	4	Download
Tank-Mounted Oil Air Cooler — General Arrangement	Drawing	Rev. 03	1	Download

Record set

The public library carries the selection record. Certificates, material reports and approved drawings are issued against the order and travel with the serial number.

LINE ENGINEERING

Send the duty point.

Media, flow, temperatures, pressure, ambient conditions, plot and access constraints, and the document requirement. If the duty is still forming, send what you have and we will frame the questions.

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