

EXHAUST GAS RECIRCULATION COOLER DATASHEET

DATASHEET

Exhaust Gas Recirculation Cooler Datasheet

Engine & Generator Cooling · Exhaust Gas Recirculation Cooler

Novaryn EGR coolers are positioned for harsh exhaust conditions, thermal cycling, and emissions-focused engine upgrades in marine, rail, and heavy-duty power systems.

Gas class High-temperature exhaust recirculation	Engineering focus Thermal stress and fouling prediction
Outcome Lower intake mixing temperature	Family Engine & Generator Cooling
Series entries 1	Core standards ASME VIII Div. 1 · EN 13445 · ISO 15550 · PED 2014/68/EU

SERIES

Series range

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-EC-066	Engine	Medium and low-speed engines	Emission reduction projects · High-temperature exhaust handling

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

Engineering intent

- Extreme exhaust resilience
- CFD-guided fin geometry
- Reduced gas-side fouling
- High process availability

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VARIANTS

Planning variants

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

SERIES	MODEL	HEAT LOAD	FLOW RATE	CIRCUIT	PART NUMBER
Engine	NX-EC-066-S	50 kW	8 m³/h	Seawater	NX-EC-066-S
Engine	NX-EC-066-M	100 kW	16 m³/h	Charge air	NX-EC-066-M
Engine	NX-EC-066-L	150 kW	24 m³/h	Water / glycol	NX-EC-066-L

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

DOCUMENTATION

Line documents

Public documents are downloadable from the product library. Certificates and material reports are issued against the order.

DOCUMENT	TYPE	REV.	PAGES	ACCESS
Exhaust Gas Recirculation Cooler Datasheet	Datasheet	Rev. 04	2	Download
Exhaust Gas Recirculation Cooler — Product Overview	Product overview	Rev. 04	4	Download
Exhaust Gas Recirculation Cooler — General Arrangement	Drawing	Rev. 03	1	Download

Order reference

Quote the line name and series code, then attach the duty point and the required document set. The controlling revision is shown in the header.

Selection inputs

- Media, concentration and allowable pressure drop
- Design flow, inlet and outlet temperatures
- Design pressure, test pressure and design temperature
- Ambient conditions, plot, access and connection schedule



REPRESENTATIVE LINE CONFIGURATION