

EXHAUST GAS HEAT EXCHANGER DATASHEET

DATASHEET

Exhaust Gas Heat Exchanger Datasheet

Engine & Generator Cooling · Exhaust Gas Heat Exchanger

Novaryn exhaust gas heat exchangers transfer heat from hot exhaust into water or glycol circuits, supporting central heating, air preheat, drying, and power-generation systems.

Temperature class Up to 550 C class	Secondary fluid Water or water-glycol
Use case Recovered heat to useful process load	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-065	Recover	Compact modular platform	Combustion-engine exhaust · Restricted-space plants

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

Engineering intent

- Compact stainless construction
- Modular service route
- Replaceable slot design
- Fouling-aware design

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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
Recover	NX-EC-065-S	50 kW	8 m³/h	Seawater	NX-EC-065-S
Recover	NX-EC-065-M	100 kW	16 m³/h	Charge air	NX-EC-065-M
Recover	NX-EC-065-L	150 kW	24 m³/h	Water / glycol	NX-EC-065-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 Heat Exchanger Datasheet	Datasheet	Rev. 04	2	Download
Exhaust Gas Heat Exchanger — Product Overview	Product overview	Rev. 04	4	Download
Exhaust Gas Heat Exchanger — 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