

BOX COOLERS DATASHEET

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Engine & Generator Cooling · Box Coolers

Novaryn box coolers are described for vessel sea-chest installation, with round and rectangular bundle strategies depending on available hull geometry and required cooling surface.

Cooling medium Vessel seawater flow	Geometry Round or rectangular bundles
Cooling surface Small to large vessel classes	Family Engine & Generator Cooling
Series entries 2	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-060	Round	Small cooling surfaces	Compact vessel duties · Round sea-chest bundle
NX-EC-061	Rectangular	Large cooling surfaces	Stepped bundle option · Hull contour fit

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

Engineering intent

- Engine-room space saving
- No separate seawater pump loop in motion
- Round or rectangular bundle choices
- Hull-contour adaptation

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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
Round	NX-EC-060-S	50 kW	8 m³/h	Seawater	NX-EC-060-S
Round	NX-EC-060-M	100 kW	16 m³/h	Charge air	NX-EC-060-M
Round	NX-EC-060-L	150 kW	24 m³/h	Water / glycol	NX-EC-060-L
Rectangular	NX-EC-061-S	100 kW	16 m³/h	Charge air	NX-EC-061-S
Rectangular	NX-EC-061-M	150 kW	24 m³/h	Water / glycol	NX-EC-061-M
Rectangular	NX-EC-061-L	200 kW	32 m³/h	Seawater	NX-EC-061-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
Box Coolers Datasheet	Datasheet	Rev. 04	2	Download
Box Coolers — Product Overview	Product overview	Rev. 04	4	Download
Box Coolers — 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