

CHARGE AIR COOLERS DATASHEET

DATASHEET

Charge Air Coolers Datasheet

Engine & Generator Cooling · Charge Air Coolers

Novaryn charge air coolers are presented for OEM and plant-system work where airflow guidance, fin geometry, corrosion protection, and engine integration are central to performance.

Engine type 2-stroke and 4-stroke planning paths	Cooling path Charge air to coolant
Integration OEM module or plant-system route	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-062	Engine	OEM and replacement modules	Gas and diesel engines · Special fuel support

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

Engineering intent

- Optimized fin geometry
- Plug-and-play installation planning
- Reduced fouling
- High transfer surface contribution

CHARGE AIR COOLERS DATASHEET

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-062-S	50 kW	8 m³/h	Seawater	NX-EC-062-S
Engine	NX-EC-062-M	100 kW	16 m³/h	Charge air	NX-EC-062-M
Engine	NX-EC-062-L	150 kW	24 m³/h	Water / glycol	NX-EC-062-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
Charge Air Coolers Datasheet	Datasheet	Rev. 04	2	Download
Charge Air Coolers — Product Overview	Product overview	Rev. 04	4	Download
Charge Air 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