

AIR COOLED CONDENSERS DATASHEET

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Heat Rejection & Heat Recovery · Air Cooled Condensers

Novaryn air-cooled condensers are structured around A-frame, single-row, and tube-system choices. The page emphasizes vacuum support, condensate handling, corrosion protection, and plot restrictions.

Configuration A-frame and single-row condenser options	Standards API/ASME-aligned planning path
Duty Steam condensation without cooling water dependency	Family Heat Rejection & Heat Recovery
Series entries 3	Core standards ASME VIII Div. 1 · API 661 · CTI ATC-105 · 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-HR-040	MASH	A-frame vacuum condenser	Steam duct and manifold design · Deflegmation row planning
NX-HR-041	Single Row	Low steam-side pressure drop	Freeze-resistant planning · Uniform surface use
NX-HR-042	A-Tube	Corrosion-protected tube platform	Hot-dip galvanized transfer path · Pressure condenser option

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

Engineering intent

- Water-saving condensation
- Vacuum-aware design
- Freeze resistance options
- Code-aligned planning

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VARIANTS

Planning variants

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

SERIES	MODEL	CAPACITY	FAN DIAMETER	OPERATING MODE	PART NUMBER
MASH	NX-HR-040-S	0.5 MW	1.5 m	Adiabatic	NX-HR-040-S
MASH	NX-HR-040-M	1.0 MW	1.8 m	Evaporative	NX-HR-040-M
MASH	NX-HR-040-L	1.5 MW	2.1 m	Dry	NX-HR-040-L
Single Row	NX-HR-041-S	1.0 MW	1.8 m	Evaporative	NX-HR-041-S
Single Row	NX-HR-041-M	1.5 MW	2.1 m	Dry	NX-HR-041-M
Single Row	NX-HR-041-L	2.0 MW	2.4 m	Adiabatic	NX-HR-041-L
A-Tube	NX-HR-042-S	1.5 MW	2.1 m	Dry	NX-HR-042-S
A-Tube	NX-HR-042-M	2.0 MW	2.4 m	Adiabatic	NX-HR-042-M
A-Tube	NX-HR-042-L	2.5 MW	1.2 m	Evaporative	NX-HR-042-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
Air Cooled Condensers Datasheet	Datasheet	Rev. 04	2	Download
Air Cooled Condensers — Product Overview	Product overview	Rev. 04	4	Download
Air Cooled Condensers — 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