

FLATBED CONDENSER / DRYCOOLER – PRODUCT OVERVIEW

PRODUCT OVERVIEW

Flatbed Condenser / Drycooler — Product Overview

Heat Rejection & Heat Recovery · Flatbed Condenser / Drycooler

Novaryn flatbed units suit refrigeration, heat pumps, and industrial outdoor duty. The product page presents drycooler, condenser, gas-cooler, and ammonia-compatible variants in a selection-led layout.

Capacity class

6.4-1424 kW equivalent classes

Equipment types

Drycooler, condenser, gas cooler

Certifications

CE/PED/UL planning path

STANDARDS & MATERIALS

The framework behind the line.

Design standards

ASME VIII Div. 1 · API 661 · CTI ATC-105 · PED 2014/68/EU

Material scope

Hot-dip galvanised steel · Stainless steel · Aluminium fins · CuNi tube · C5-M coating

Applications

Heat pumps · District energy · Air cooled solutions · Supermarkets · Beverages

Series depth

4 series · three planning sizes each

At a glance

- High power density
- Low-noise fan choices
- Flexible leg arrangements
- Long coil support

Typical applications

- Heat pumps
- District energy
- Air cooled solutions
- Supermarkets
- Beverages

SERIES

Series ledger

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-048	LF Drycooler	21-1290 kW class	Long coil support · Low-noise controls
NX-HR-049	LF-S Drycooler	8-125 kW class	Versatile legs · Compact installation
NX-HR-050	RF/GF-S	6.4-183 kW class	Small condenser and gas cooler duties
NX-HR-051	RF/GF/NF	11-1424 kW class	Large condenser, gas cooler, and ammonia duties

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

How to read the series

The series entry defines the configuration route. The line datasheet carries the planning tables. The project datasheet replaces both with certified ratings, dimensions, connections and material schedules.



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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
LF Drycooler	NX-HR-048-S	0.5 MW	1.5 m	Adiabatic	NX-HR-048-S
LF Drycooler	NX-HR-048-M	1.0 MW	1.8 m	Evaporative	NX-HR-048-M
LF Drycooler	NX-HR-048-L	1.5 MW	2.1 m	Dry	NX-HR-048-L
LF-S Drycooler	NX-HR-049-S	1.0 MW	1.8 m	Evaporative	NX-HR-049-S
LF-S Drycooler	NX-HR-049-M	1.5 MW	2.1 m	Dry	NX-HR-049-M
LF-S Drycooler	NX-HR-049-L	2.0 MW	2.4 m	Adiabatic	NX-HR-049-L
RF/GF-S	NX-HR-050-S	1.5 MW	2.1 m	Dry	NX-HR-050-S
RF/GF-S	NX-HR-050-M	2.0 MW	2.4 m	Adiabatic	NX-HR-050-M
RF/GF-S	NX-HR-050-L	2.5 MW	1.2 m	Evaporative	NX-HR-050-L
RF/GF/NF	NX-HR-051-S	2.0 MW	2.4 m	Adiabatic	NX-HR-051-S
RF/GF/NF	NX-HR-051-M	2.5 MW	1.2 m	Evaporative	NX-HR-051-M
RF/GF/NF	NX-HR-051-L	3.0 MW	1.5 m	Dry	NX-HR-051-L

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

Selection inputs

Bring the media, flow, temperatures, design pressure, ambient conditions and allowable pressure drop. Those five inputs frame the thermal and mechanical envelope.



FLATBED CONDENSER / DRYCOOLER – REPRESENTATIVE NOVARYN EQUIPMENT

APPLIED

Where the line belongs.

Typical applications and the engineering intentions behind the configuration.

- High power density
- Low-noise fan choices
- Flexible leg arrangements
- Long coil support

Application scope

- Heat pumps
- District energy
- Air cooled solutions
- Supermarkets
- Beverages

DOCUMENTATION

Documents

Download the datasheet, GA drawing and this overview from the product library.

DOCUMENT	TYPE	REV.	PAGES	ACCESS
Flatbed Condenser / Drycooler Datasheet	Datasheet	Rev. 04	2	Download
Flatbed Condenser / Drycooler — Product Overview	Product overview	Rev. 04	4	Download
Flatbed Condenser / Drycooler — General Arrangement	Drawing	Rev. 03	1	Download

Record set

The public library carries the selection record. Certificates, material reports and approved drawings are issued against the order and travel with the serial number.

LINE ENGINEERING

Send the duty point.

Media, flow, temperatures, pressure, ambient conditions, plot and access constraints, and the document requirement. If the duty is still forming, send what you have and we will frame the questions.

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