

PRODUCT OVERVIEW

Dual Discharge Air Cooler — Product Overview

Evaporators · Dual Discharge Air Cooler

Novaryn dual-discharge systems spread air evenly on both sides of the unit, helping reduce hot spots while preserving usable room volume. The range includes configurable options for natural refrigerants and easy cleaning.

Capacity class
2-154 kW equivalent classes

Air pattern
Dual-sided discharge

Cleaning
Full interior access options

STANDARDS & MATERIALS

The framework behind the line.

Design standards
ASME B31.5 · EN 378 · CE / PED · AHRI 420

Material scope
Copper tube · Aluminium fin · Stainless steel · Galvanised casing · Epoxy-coated coil

Applications
Dairy · Processed food · Food and meat processing · Supermarkets · Distribution centers

Series depth
6 series · three planning sizes each

At a glance

- Even air distribution
- Low installed height
- Fast cleaning access
- Configurable refrigerant circuits

Typical applications

- Dairy
- Processed food
- Food and meat processing
- Supermarkets
- Distribution centers

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-EV-032	CDK/CDL	7-130 kW class	Production rooms · Optimized refrigerant distribution
NX-EV-033	CDF/CDH	6.1-154 kW class	CO2, propane, or ammonia variants · Low refrigerant charge
NX-EV-034	KDC	2-23 kW class	Commercial refrigeration · Optional high-pressure CO2 version
NX-EV-035	DRR	7-70 kW class	Compact room utilization · Enhanced copper tubes
NX-EV-036	DVR	7-70 kW class	Low noise · Easy interior access
NX-EV-037	DZS	3-139 kW class	Low height · Many accessory options

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.

Range context

This line carries a deep series range. Use the ledger above to shortlist the configuration route, then confirm the envelope and connections against the GA drawing.

VARIANTS

Planning variants

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

SERIES	MODEL	CAPACITY	AIR THROW	REFRIGERANT	PART NUMBER
CDK/CDL	NX-EV-032-S	2.5 kW	6 m	CO ₂	NX-EV-032-S
CDK/CDL	NX-EV-032-M	5.0 kW	7 m	Propane / NH ₃	NX-EV-032-M
CDK/CDL	NX-EV-032-L	7.5 kW	8 m	HFC / HFO	NX-EV-032-L
CDF/CDH	NX-EV-033-S	5.0 kW	7 m	Propane / NH ₃	NX-EV-033-S
CDF/CDH	NX-EV-033-M	7.5 kW	8 m	HFC / HFO	NX-EV-033-M
CDF/CDH	NX-EV-033-L	10.0 kW	5 m	CO ₂	NX-EV-033-L
KDC	NX-EV-034-S	7.5 kW	8 m	HFC / HFO	NX-EV-034-S
KDC	NX-EV-034-M	10.0 kW	5 m	CO ₂	NX-EV-034-M
KDC	NX-EV-034-L	12.5 kW	6 m	Propane / NH ₃	NX-EV-034-L
DRR	NX-EV-035-S	10.0 kW	5 m	CO ₂	NX-EV-035-S
DRR	NX-EV-035-M	12.5 kW	6 m	Propane / NH ₃	NX-EV-035-M
DRR	NX-EV-035-L	15.0 kW	7 m	HFC / HFO	NX-EV-035-L
DVR	NX-EV-036-S	12.5 kW	6 m	Propane / NH ₃	NX-EV-036-S
DVR	NX-EV-036-M	15.0 kW	7 m	HFC / HFO	NX-EV-036-M
DVR	NX-EV-036-L	17.5 kW	8 m	CO ₂	NX-EV-036-L
DZS	NX-EV-037-S	15.0 kW	7 m	HFC / HFO	NX-EV-037-S
DZS	NX-EV-037-M	17.5 kW	8 m	CO ₂	NX-EV-037-M
DZS	NX-EV-037-L	20.0 kW	5 m	Propane / NH ₃	NX-EV-037-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.

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APPLIED

Where the line belongs.

Typical applications and the engineering intentions behind the configuration.

- Even air distribution
- Low installed height
- Fast cleaning access
- Configurable refrigerant circuits

Application scope

- Dairy
- Processed food
- Food and meat processing
- Supermarkets
- Distribution centers

DOCUMENTATION

Documents

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

DOCUMENT	TYPE	REV.	PAGES	ACCESS
Dual Discharge Air Cooler Datasheet	Datasheet	Rev. 04	2	Download
Dual Discharge Air Cooler — Product Overview	Product overview	Rev. 04	4	Download
Dual Discharge Air Cooler — 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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