

CUBIC AIR COOLERS — PRODUCT OVERVIEW

PRODUCT OVERVIEW

Cubic Air Coolers — Product Overview

Evaporators · Cubic Air Coolers

Novaryn cubic air coolers provide a broad refrigeration platform for standard and demanding cold-room duties, with options for draw-through or blow-through airflow, hygiene-minded casings, and natural refrigerants.

Capacity class 0.4-240 kW equivalent classes	Air pattern Cubic draw-through or blow-through
Service Hygiene and 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 Distribution centers · Supermarkets · Beverages · Dairy · Food and meat processing	Series depth 7 series · three planning sizes each

At a glance

- Broad capacity range
- Flexible airflow direction
- Hinged cleaning access
- High support options

Typical applications

- Distribution centers
- Supermarkets
- Beverages
- Dairy
- Food and meat processing

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-024	FLF/FLH	10-240 kW class	Outdoor or heavy-duty format · Weather-protected air guidance
NX-EV-025	SG Commercial	0.4-65 kW class	Integrated fan system · Smooth casing edges
NX-EV-026	VRS	5-55 kW class	Variable air direction · Accessory-rich platform
NX-EV-027	VNS	9-66 kW class	High performance room cooling · Low-height fit
NX-EV-028	CS/CB	7.4-175 kW class	Natural refrigerants · CO2 pressure options
NX-EV-029	KSC/MSC	0.8-50 kW class	Basic cold-room duties · EC technology
NX-EV-030	SG Classic	0.9-23 kW class	Medium temperature cooling · CO2 direct expansion option

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.

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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
FLF/FLH	NX-EV-024-S	2.5 kW	6 m	CO ₂	NX-EV-024-S
FLF/FLH	NX-EV-024-M	5.0 kW	7 m	Propane / NH ₃	NX-EV-024-M
FLF/FLH	NX-EV-024-L	7.5 kW	8 m	HFC / HFO	NX-EV-024-L
SG Commercial	NX-EV-025-S	5.0 kW	7 m	Propane / NH ₃	NX-EV-025-S
SG Commercial	NX-EV-025-M	7.5 kW	8 m	HFC / HFO	NX-EV-025-M
SG Commercial	NX-EV-025-L	10.0 kW	5 m	CO ₂	NX-EV-025-L
VRS	NX-EV-026-S	7.5 kW	8 m	HFC / HFO	NX-EV-026-S
VRS	NX-EV-026-M	10.0 kW	5 m	CO ₂	NX-EV-026-M
VRS	NX-EV-026-L	12.5 kW	6 m	Propane / NH ₃	NX-EV-026-L
VNS	NX-EV-027-S	10.0 kW	5 m	CO ₂	NX-EV-027-S
VNS	NX-EV-027-M	12.5 kW	6 m	Propane / NH ₃	NX-EV-027-M
VNS	NX-EV-027-L	15.0 kW	7 m	HFC / HFO	NX-EV-027-L
CS/CB	NX-EV-028-S	12.5 kW	6 m	Propane / NH ₃	NX-EV-028-S
CS/CB	NX-EV-028-M	15.0 kW	7 m	HFC / HFO	NX-EV-028-M
CS/CB	NX-EV-028-L	17.5 kW	8 m	CO ₂	NX-EV-028-L
KSC/MSC	NX-EV-029-S	15.0 kW	7 m	HFC / HFO	NX-EV-029-S
KSC/MSC	NX-EV-029-M	17.5 kW	8 m	CO ₂	NX-EV-029-M
KSC/MSC	NX-EV-029-L	20.0 kW	5 m	Propane / NH ₃	NX-EV-029-L
SG Classic	NX-EV-030-S	17.5 kW	8 m	CO ₂	NX-EV-030-S
SG Classic	NX-EV-030-M	20.0 kW	5 m	Propane / NH ₃	NX-EV-030-M
SG Classic	NX-EV-030-L	22.5 kW	6 m	HFC / HFO	NX-EV-030-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.

- Broad capacity range
- Flexible airflow direction
- Hinged cleaning access
- High support options

Application scope

- Distribution centers
- Supermarkets
- Beverages
- Dairy
- Food and meat processing

DOCUMENTATION

Documents

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

DOCUMENT	TYPE	REV.	PAGES	ACCESS
Cubic Air Coolers Datasheet	Datasheet	Rev. 04	2	Download
Cubic Air Coolers — Product Overview	Product overview	Rev. 04	4	Download
Cubic Air Coolers — 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.

Engineering engineering@novarynindustrial.com
Sales sales@novarynindustrial.com
Telephone +1 (713) 555-0186
Address 4800 Federal Road, Houston, TX 77032, United States
Web www.novarynindustrial.com