

EVAPORATOR COILS DATASHEET

DATASHEET

# Evaporator Coils Datasheet

Coils · Evaporator Coils

Novaryn evaporator coils are arranged around refrigerant distribution, defrost strategy, fin spacing, hygiene requirements, and low-temperature reliability. They can be specified for new equipment or coil replacement.

|                                                               |                                                                   |
|---------------------------------------------------------------|-------------------------------------------------------------------|
| Duty type<br>Direct expansion evaporating coil                | Temperature profile<br>Medium and low-temperature refrigeration   |
| Selection focus<br>Airflow, defrost, refrigerant, and hygiene | Family<br>Coils                                                   |
| Series entries<br>2                                           | Core standards<br>AHRI 410 · ASME B31.5 · EN 327 · 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-CL-099 | MT     | Medium-temperature evaporator coil | Retail and cold-room duty · Balanced fin spacing |
| NX-CL-100 | LT     | Low-temperature evaporator coil    | Freezing applications · Defrost-ready layout     |

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

## Engineering intent

- Matched refrigerant distribution
- Defrost planning
- Low-temperature readiness
- Hygienic material options

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VARIANTS

# Planning variants

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

| SERIES | MODEL       | ROWS | FACE AREA | FIN SPACING | PART NUMBER |
|--------|-------------|------|-----------|-------------|-------------|
| MT     | NX-CL-099-S | 3    | 0.8 m²    | 2.5 mm      | NX-CL-099-S |
| MT     | NX-CL-099-M | 4    | 1.6 m²    | 3.2 mm      | NX-CL-099-M |
| MT     | NX-CL-099-L | 5    | 2.4 m²    | 2.1 mm      | NX-CL-099-L |
| LT     | NX-CL-100-S | 4    | 1.6 m²    | 3.2 mm      | NX-CL-100-S |
| LT     | NX-CL-100-M | 5    | 2.4 m²    | 2.1 mm      | NX-CL-100-M |
| LT     | NX-CL-100-L | 6    | 3.2 m²    | 2.5 mm      | NX-CL-100-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   |
|----------------------------------------|------------------|---------|-------|----------|
| Evaporator Coils Datasheet             | Datasheet        | Rev. 04 | 2     | Download |
| Evaporator Coils — Product Overview    | Product overview | Rev. 04 | 4     | Download |
| Evaporator Coils — 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