

DATASHEET

Hybrid Coolers Datasheet

Heat Rejection & Heat Recovery · Hybrid Coolers

Novaryn hybrid coolers are positioned for data centers, industrial utilities, refrigeration plants, and district energy systems that need low water consumption for much of the year while keeping dependable capacity in hot ambient conditions.

Operating modes Dry, wet, or assisted cooling	Planning focus Annual water and energy balance
Install route Outdoor modular heat rejection	Family Heat Rejection & Heat Recovery
Series entries 2	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-052	DryAssist	Drycooler with evaporative assist	Hot-day performance support · Water-managed operation
NX-HR-053	Process	Industrial hybrid cooling	Large outdoor duty · Noise and plume planning

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

Engineering intent

- Dry-mode operation
- Evaporative peak support
- Lower annual water use
- Stable capacity during high ambient periods

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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
DryAssist	NX-HR-052-S	0.5 MW	1.5 m	Adiabatic	NX-HR-052-S
DryAssist	NX-HR-052-M	1.0 MW	1.8 m	Evaporative	NX-HR-052-M
DryAssist	NX-HR-052-L	1.5 MW	2.1 m	Dry	NX-HR-052-L
Process	NX-HR-053-S	1.0 MW	1.8 m	Evaporative	NX-HR-053-S
Process	NX-HR-053-M	1.5 MW	2.1 m	Dry	NX-HR-053-M
Process	NX-HR-053-L	2.0 MW	2.4 m	Adiabatic	NX-HR-053-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
Hybrid Coolers Datasheet	Datasheet	Rev. 04	2	Download
Hybrid Coolers — Product Overview	Product overview	Rev. 04	4	Download
Hybrid Coolers — 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