

Cooling Towers Datasheet

Heat Rejection & Heat Recovery · Cooling Towers

Novaryn tower systems cover roof-friendly modular installations and large field-erected units. The page focuses on thermal performance, assembly speed, hygienic operation, and maintenance planning.

Capacity class Modular to 25 MW; field-erected to 100 MW class	Mode Evaporative water cooling
Planning focus Assembly, hygiene, noise, and energy	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-046	Frigate	Up to 25 MW unit class	Modular and stackable · Short on-site assembly
NX-HR-047	Field	Up to 100 MW unit class	Large manufacturing and energy sites · Field-erected tower format

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

Engineering intent

- High capacity per unit
- Stackable modular options
- Low-maintenance planning
- Noise and power tuning

COOLING TOWERS DATASHEET

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
Frigate	NX-HR-046-S	0.5 MW	1.5 m	Adiabatic	NX-HR-046-S
Frigate	NX-HR-046-M	1.0 MW	1.8 m	Evaporative	NX-HR-046-M
Frigate	NX-HR-046-L	1.5 MW	2.1 m	Dry	NX-HR-046-L
Field	NX-HR-047-S	1.0 MW	1.8 m	Evaporative	NX-HR-047-S
Field	NX-HR-047-M	1.5 MW	2.1 m	Dry	NX-HR-047-M
Field	NX-HR-047-L	2.0 MW	2.4 m	Adiabatic	NX-HR-047-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
Cooling Towers Datasheet	Datasheet	Rev. 04	2	Download
Cooling Towers — Product Overview	Product overview	Rev. 04	4	Download
Cooling Towers — 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