

MEGA-BAY & GIGA-BAY COOLING DATASHEET

DATASHEET

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Heat Rejection & Heat Recovery · Mega-Bay & Giga-Bay Cooling

Novaryn bay cooling packages are presented as scalable infrastructure blocks. They separate pre-engineered rapid deployment from tailor-made high-capacity bays for larger plots and extreme density.

Capacity class Multi-megawatt module families	Build model Pre-engineered or site-engineered
Primary metric PUE/WUE-aligned operation	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-054	MB Pre-Engineered	1.5-4 MW module class	Rapid project delivery · Factory-site assembly
NX-HR-055	GB Tailored Bay	4-8 MW module class	Large fan geometry · Built for massive sites

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

Engineering intent

- Modular scaling
- Large fan platforms
- High free-cooling share
- Repeatable project delivery

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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
MB Pre-Engineered	NX-HR-054-S	0.5 MW	1.5 m	Adiabatic	NX-HR-054-S
MB Pre-Engineered	NX-HR-054-M	1.0 MW	1.8 m	Evaporative	NX-HR-054-M
MB Pre-Engineered	NX-HR-054-L	1.5 MW	2.1 m	Dry	NX-HR-054-L
GB Tailored Bay	NX-HR-055-S	1.0 MW	1.8 m	Evaporative	NX-HR-055-S
GB Tailored Bay	NX-HR-055-M	1.5 MW	2.1 m	Dry	NX-HR-055-M
GB Tailored Bay	NX-HR-055-L	2.0 MW	2.4 m	Adiabatic	NX-HR-055-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
Mega-Bay & Giga-Bay Cooling Datasheet	Datasheet	Rev. 04	2	Download
Mega-Bay & Giga-Bay Cooling — Product Overview	Product overview	Rev. 04	4	Download
Mega-Bay & Giga-Bay Cooling — 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