

AIR FIN COOLERS DATASHEET

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Heat Rejection & Heat Recovery · Air Fin Coolers

Novaryn air fin coolers are specified around fin material, corrosion conditions, fan power, plot plan limits, and service access. They are suited to gas, process, pulp, metallurgy, and grid-linked applications.

Heat transfer Finned tube bundles	Materials Aluminium or galvanized steel fin options
Service Air-side cleaning and revamp ready	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-043	Diesta	Heavy industrial AFC	Demanding ambient conditions · Robust fan and bundle arrangement
NX-HR-044	Advanced Fin	High-performance fin platform	Revamp-ready · Optimized air-side performance

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

Engineering intent

- Aluminium or steel fin routes
- Mechanical durability
- Corrosion protection
- Cleanability

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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
Diesta	NX-HR-043-S	0.5 MW	1.5 m	Adiabatic	NX-HR-043-S
Diesta	NX-HR-043-M	1.0 MW	1.8 m	Evaporative	NX-HR-043-M
Diesta	NX-HR-043-L	1.5 MW	2.1 m	Dry	NX-HR-043-L
Advanced Fin	NX-HR-044-S	1.0 MW	1.8 m	Evaporative	NX-HR-044-S
Advanced Fin	NX-HR-044-M	1.5 MW	2.1 m	Dry	NX-HR-044-M
Advanced Fin	NX-HR-044-L	2.0 MW	2.4 m	Adiabatic	NX-HR-044-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
Air Fin Coolers Datasheet	Datasheet	Rev. 04	2	Download
Air Fin Coolers — Product Overview	Product overview	Rev. 04	4	Download
Air Fin 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