

APT INDUSTRIAL CHILLER

Air Cooled Industrial Chiller Catalog

Review APT air cooled industrial chillers for machine-side cooling, process water cooling, factory equipment temperature control, and customized industrial cooling applications.

1-5 HP to 50+ HP Air Cooled Chillers

Machine Cooling, Laser, CNC, Thermal Spray, and Injection Molding

Factory Direct Process Cooling Systems

Standard and Custom Configurations

Engineering Selection Support Before Quotation

www.applied-chiller.com



What Is an Air Cooled Industrial Chiller?

An air cooled industrial chiller removes process heat through an air cooled condenser, without requiring a cooling tower or condenser water system.

APT air cooled chillers are commonly used for machine cooling, process water cooling, laser equipment, CNC spindles, thermal spray systems, injection molding, electroplating, and general factory temperature control. This catalog is organized to help overseas buyers and engineers compare capacity ranges, installation styles, typical use cases, and the next product page to review before quotation.

INSTALLATION

Independent cooling
Suitable when a cooling tower is not available or each machine needs standalone cooling.

SELECTION SCOPE

Compact to large process duty
Covering point-of-use cooling, standard workshop applications, and higher heat-load projects.

DESIGN LOGIC

Capacity plus site review
Cooling target, pump requirement, ventilation condition, and ambient temperature all matter.

SUPPORT

Selection before quotation
APT can recommend capacity range, pump arrangement, and custom options before formal model confirmation.



Air Cooled Chiller Capacity Range

Use this matrix to compare APT air cooled industrial chiller categories by capacity range, installation style, and typical cooling applications.

CATEGORY	TYPICAL CAPACITY	TYPICAL APPLICATIONS	BEST FOR	RELATED PAGE
Compact Air Cooled Chillers	1-5 HP	CNC spindle cooling, laser equipment, laboratory systems, cold plunge baths, small process loops	Limited installation space and point-of-use cooling	1-5 HP range
Standard Air Cooled Chillers	5-20 HP	Machine cooling, process water cooling, injection molding, electroplating, laser, general factory equipment	Common industrial cooling projects and standalone production equipment	5-20 HP range
Medium Capacity Air Cooled Chillers	20-50 HP	Thermal spray systems, larger process equipment, production line cooling, tank cooling, factory process cooling	Higher heat-load applications requiring stable process water cooling	20-50 HP range
Large Air Cooled Process Chillers	50+ HP	Large industrial equipment, centralized process cooling, and high-load production systems	Factories requiring higher cooling capacity without cooling tower installation	50+ HP models
Custom Air Cooled Chillers	Project-based	High ambient areas, mobile cooling systems, vertical chillers, special voltage, OEM equipment, remote process cooling	Non-standard industrial cooling requirements and special site conditions	Custom review

Air Cooled Chiller Product Categories

These product groups help customers move from application review into capacity-based catalog selection.

COMPACT SYSTEMS

1-5 HP Air Cooled Chillers

Compact air cooled chillers for CNC, laser equipment, laboratory systems, cold plunge baths, and small process loops.

STANDARD RANGE

5-20 HP Air Cooled Chillers

Standard industrial air cooled chillers for machine cooling, process water cooling, factory equipment, and general production temperature control.

MEDIUM CAPACITY

20-50 HP Air Cooled Chillers

Medium-capacity air cooled chillers for thermal spray systems, tank cooling, larger process equipment, and higher heat-load industrial duty.

LARGE CAPACITY

50+ HP Air Cooled Chillers

Large air cooled process chillers for factories requiring higher cooling capacity without a cooling tower or centralized condenser water loop.

CUSTOM DESIGN

Custom Air Cooled Chillers

Custom air cooled chillers for high ambient areas, mobile cooling, vertical structure, special voltage, and OEM integration.

CATALOG USE

Start with Range, Then Confirm Model

Use the capacity range first, then review application, target temperature, pump requirements, and site condition before final quotation.

Typical Applications for Air Cooled Industrial Chillers

Air cooled process chillers are reviewed across multiple industrial applications where standalone installation and practical factory cooling are preferred.

APPLICATION Laser Equipment Cooling Stable temperature control for laser sources, optics, welding systems, and cutting heads.	APPLICATION CNC Spindle Cooling Compact air cooled chillers for spindle temperature control and machine-side process cooling.	APPLICATION Thermal Spray Cooling Cooling for plasma spray, HVOF, power supply, torch, and auxiliary equipment.	APPLICATION Injection Molding Cooling Control mold temperature, hydraulic systems, and production process cooling.
APPLICATION Electroplating Cooling Cooling plating bath circuits, chemical tanks, and rectifier cooling duty.	APPLICATION General Process Water Cooling Factory machines, process tanks, test equipment, and production water loops.	APPLICATION Laboratory Cooling Compact cooling direction for lab systems, water baths, and small controlled circuits.	APPLICATION Cold Plunge and Bath Cooling Low-temperature and compact point-of-use cooling for baths and controlled tank systems.

When to Choose an Air Cooled Chiller

Air cooled chillers are often selected when the factory does not have a cooling tower, when installation needs to be simple, or when each machine requires independent cooling.

SELECTION FACTOR	AIR COOLED CHILLER	WATER COOLED CHILLER	NOTES
Condenser System	Air cooled condenser	Water cooled condenser	Selection depends on whether condenser water is available on site.
Installation Requirement	Simpler independent installation	Needs water-side support planning	Air cooled systems are often preferred for machine-side standalone use.
Cooling Tower Requirement	No cooling tower required	Commonly reviewed with cooling tower water	This is often the main dividing line in early selection.
Maintenance Consideration	Ventilation and condenser cleaning review	Water quality and condenser circuit review	Maintenance workload depends on environment and utility conditions.
Suitable Project Type	Independent workshops and standalone machines	Centralized or continuous-duty plant systems	Heat load, utility conditions, and layout should be reviewed together.

Compare Product Direction Before Formal Quotation

Air cooled and water cooled systems can both serve industrial cooling, but condenser support, installation environment, utility condition, and maintenance approach should be reviewed together before final selection.

Information Needed to Select an Air Cooled Chiller

Prepare the following project data before quotation so APT can review the correct air cooled chiller capacity, pump arrangement, and installation direction.

Process and Cooling Data

- Cooling application or equipment type
- Required cooling capacity or heat load
- Target water or fluid temperature
- Inlet and outlet temperature if available
- Process fluid type
- Pump flow and pressure requirements

Site and Special Requirements

- Ambient temperature
- Voltage and frequency
- Installation space and ventilation condition
- Special requirements such as stainless steel, high ambient design, mobility, or custom structure
- Photos or equipment nameplate if available

Related Air Cooled Chiller Pages

These model and category directions help customers move from catalog range review into more specific product pages.

CATEGORY 1-5 HP Air Cooled Chillers Compact air cooled chillers for CNC, laser, laboratory systems, and small process loops.	MODEL 5 HP Air Cooled Chiller Standalone 5 HP direction for machine cooling and general process water applications.
MODEL 10 HP Air Cooled Chiller 10 HP air cooled industrial chiller for equipment cooling and workshop use.	MODEL 15 HP Air Cooled Chiller 15 HP direction for medium machine cooling and stable process water duty.
MODEL 20 HP Air Cooled Chiller 20 HP industrial air cooled process chiller for higher heat-load applications.	MODEL 30 HP Air Cooled Chiller 30 HP model direction for larger process loops and production cooling.
HIGH AMBIENT 40 HP High Ambient Air Cooled Chiller T3 high ambient direction for hot climate or elevated ambient factory conditions.	LARGE CAPACITY 50+ HP Air Cooled Chillers Larger air cooled process chiller direction for higher-duty production cooling.

Download Air Cooled Industrial Chiller Catalog PDF

This PDF overview is suitable for early supplier review, project discussion, and quotation preparation.

PDF OVERVIEW

Practical Catalog for B2B Review

The PDF catalog helps engineers and purchasers compare chiller capacity ranges, typical applications, selection factors, and the information needed before requesting a quotation. It is suitable for overseas buyers, OEM teams, internal project discussion, and email attachment.

Request PDF or Submit Requirements

If the exact model is not yet confirmed, send the cooling application, temperature target, process fluid, and voltage so APT can recommend a suitable air cooled direction.

PDF INCLUDES

- Air cooled industrial chiller product range
- 1-5 HP, 5-20 HP, 20-50 HP, and 50+ HP capacity overview
- Typical applications and selection direction
- Air cooled vs water cooled selection notes
- Custom configuration options
- Information needed for quotation
- APT factory and engineering support overview

APT INDUSTRIAL CHILLER

AIR COOLED INDUSTRIAL CHILLER CATALOG



Need an Air Cooled Chiller for Your Process?

Send your application, cooling capacity, target temperature, process fluid, voltage, ambient temperature, and installation conditions. APT can recommend a suitable air cooled industrial chiller configuration for your project.

CATALOG REQUEST

<https://applied-chiller.com/contact-us/>

SUBMIT REQUIREMENTS

<https://applied-chiller.com/request-a-quote/>

WEBSITE

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