

# Air-Cooled Chiller

Product Technical Sourcing Proposal  
Cooling & Heating Equipment



Real supplier reference image. Final brand, model and appearance depend on selected quotation.

## RECOMMENDED SUPPLY CONFIGURATION

Select the minimum practical configuration for Air-Cooled Chiller only after confirming the actual duty, capacity, inputs, output quality, utilities, site conditions and acceptance test.

## Product Overview, Applications & Primary Use

Air-cooled chiller with inverter compressors and finned condensers for hot, dry climates.

### Technical sourcing approach

- Confirm the real operating duty and site conditions before comparing models.
- Compare supplier quotations against one common technical specification.
- Require a factory test, drawings, manuals and a critical-spares list.
- Plan freight, inspection, installation interfaces and after-sales support before purchase.

### Applications and primary use

- Specific industrial purpose: Air-cooled chiller with inverter compressors and finned condensers for hot, dry climates.
- New installation sized to confirmed demand rather than maximum catalogue capacity.
- Replacement or expansion after checking physical, utility and control compatibility.
- Economical Afghan implementation using local installation and fabrication where safe.



## Product-Specific Technical Specification

| Selection parameter     | Required function / value                         | Buyer or site input                      |
|-------------------------|---------------------------------------------------|------------------------------------------|
| Thermal capacity        | Meet the calculated heating or cooling load       | Provide load calculation or process duty |
| Inlet/outlet conditions | Achieve required temperatures and flow            | State design temperatures                |
| Ambient condition       | Maintain capacity in the actual climate           | State summer/winter design values        |
| Refrigerant or fuel     | Use an available, serviceable energy source       | State permitted type                     |
| Electrical supply       | Match voltage, frequency and available load       | Provide site data                        |
| Heat exchanger          | Compatible materials and pressure rating          | State medium and water quality           |
| Controls                | Essential staging, alarms and protection          | List remote-control needs                |
| Installation            | Provide piping, ventilation and service clearance | Provide layout                           |

### Buyer checklist and quotation requirements

- Describe the exact process, material and intended operating duty.
- State required capacity, operating hours and acceptable output quality.
- Provide product samples, drawings or technical data where applicable.
- Confirm voltage, frequency and all available utilities.
- Provide factory layout, access and environmental conditions.
- Separate equipment, tooling, freight, installation and optional items.
- Require drawings, running test, acceptance criteria and critical spares before shipment.

Final technical parameters, included accessories and acceptance criteria must be confirmed in the supplier quotation, test report and purchase contract. Do not purchase from photographs alone.

## Indicative Product Pricing & Supply Guide

### PRODUCT QUOTATION BASIS

Final pricing for Air-Cooled Chiller follows the confirmed technical specification, required rating or capacity, included accessories, inspection scope, delivery terms and destination.

| Supply component                  | Indicative planning range | Quotation basis                             |
|-----------------------------------|---------------------------|---------------------------------------------|
| Main equipment                    | US\$18k-95k               | Minimum configuration for confirmed duty    |
| Essential tooling and accessories | US\$6k-30k                | Only launch requirements                    |
| Freight and clearance             | US\$6k-28k                | Shipment based on complete scope            |
| Installation, testing and spares  | US\$4k-20k                | Local execution where practical             |
| Low-entry project total           | US\$34k-173k              | Final price follows confirmed specification |

### Technical sourcing and delivery process

|         |                                                                         |
|---------|-------------------------------------------------------------------------|
| Phase 1 | Define requirement and request comparable quotations - 1 to 2 weeks     |
| Phase 2 | Technical clarification, negotiation and inspection plan - 1 to 3 weeks |
| Phase 3 | Manufacture or refurbishment - typically 3 to 10 weeks                  |
| Phase 4 | Shipping and customs clearance - typically 3 to 7 weeks                 |
| Phase 5 | Local installation, training and trial operation - 1 to 3 weeks         |

These are non-binding planning ranges. Final product price and delivered cost depend on the confirmed specification, accessories, inspection, freight, customs, exchange rate and destination.

## Sanaatchi Support & Contact

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- Supplier search using one confirmed product specification
- Side-by-side technical and commercial quotation comparison
- Factory test, documentation and pre-shipment inspection coordination
- Lowest-cost practical logistics planning from China to Afghanistan
- Installation-interface, spare-parts and after-sales coordination

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### Supplier image references

- Supplier image reference: <https://image.made-in-china.com/2f0j00QRIMYpyWsegl/5HP-to-100HP-Air-Cooled-Industrial-Chiller-CE-Certified-Environmentally-Friendly-Water-Chiller-Industrial-Chiller-Industrial-Water-Chiller-Process-Chiller.jpg>
- Supplier image reference: <https://image.made-in-china.com/2f0j00UMqtPiRdaZIT/Air-Cooled-Water-Chiller-with-Best-Quality.jpg>