

# Variable Speed Screw Compressor

Product Technical Sourcing Proposal  
Pumps & Compressors



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

## RECOMMENDED SUPPLY CONFIGURATION

Select from the confirmed fluid or gas, required flow and discharge pressure/head, operating duty, material compatibility, driver power and site conditions—not from connection size alone.

## Product Overview, Applications & Primary Use

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Variable speed screw compressor with asymmetric rotors, refrigerated dryer and heat recovery package.

### 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

- Moving or compressing the specified medium at the required flow and pressure.
- Continuous or intermittent industrial service after confirming the real duty point.
- Replacement duty where dimensions, connections and driver ratings must match.
- New installations with suction, piping, ventilation and controls reviewed.



## Product-Specific Technical Specification

| Selection parameter | Required function / value                              | Buyer or site input                         |
|---------------------|--------------------------------------------------------|---------------------------------------------|
| Medium              | Compatible with fluid/gas composition and temperature  | Provide data sheet and contaminants         |
| Rated flow          | Deliver required flow at the actual duty point         | State normal, minimum and maximum flow      |
| Pressure or head    | Overcome system resistance at rated flow               | Provide suction and discharge conditions    |
| Materials           | Resist corrosion, erosion and process temperature      | State wetted-part requirement               |
| Driver              | Motor or engine sized for continuous duty and starting | State voltage/frequency or fuel             |
| Seal/lubrication    | Suit leakage, cleanliness and maintenance limits       | State seal standard and oil-free need       |
| Controls/protection | Provide safe start, stop and alarm functions           | List VFD, pressure and remote-control needs |
| Installation        | Match base, connections, ventilation and noise limits  | Provide layout and environment              |

### Buyer checklist and quotation requirements

- State medium composition, temperature, density and solids or moisture content.
- Provide required normal/minimum/maximum flow and discharge pressure or head.
- State suction pressure, elevation and piping arrangement.
- Confirm wetted materials, seal type and leakage restrictions.
- State continuous/intermittent duty and expected operating hours.
- Confirm power supply, controls, hazardous area and noise limits.
- Request performance curve, test certificate and recommended spares.

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 Variable Speed Screw Compressor follows the confirmed technical specification, required rating or capacity, included accessories, inspection scope, delivery terms and destination.

| Supply component                          | Indicative planning range | Quotation basis                          |
|-------------------------------------------|---------------------------|------------------------------------------|
| Pump or compressor package                | US\$3k-30k                | Selected at confirmed duty point         |
| Motor, controls and essential accessories | US\$1k-8k                 | Only required protection and instruments |
| Freight and clearance                     | US\$2k-10k                | Shipment based on complete package       |
| Piping, installation and testing          | US\$1k-6k                 | Local works where practical              |
| Low-entry package total                   | US\$7k-54k                | Final price follows medium and duty      |

### 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/2f0j00Hueogckdfqy/Kingair-7-5-37kw-Economic-Type-Industrial-Permanent-Magnet-Variable-Speed-Low-Pressure-Screw-Air-Compressor.jpg>

- Supplier image reference: <https://image.made-in-china.com/2f0j00mdulhlLPYzpQ/High-Quality-100HP-75kw-8-Bar-Variable-Speed-Energy-Saving-Industrial-Screw-Air-Compressor.jpg>