



Centrifugal · Oil-Free

## H6000 Centrifugal Air Compressor

Flagship centrifugal compressor for the highest-volume industrial air supply — steel, petrochemical and large energy facilities.

### TECHNICAL SPECIFICATIONS

Model	H6000
Type	Centrifugal (Oil-Free)
Flow Rate	566 – 800 m <sup>3</sup> /min
Discharge Pressure	2 – 12 bar-G
Motor Power	2,000 – 4,500 kW
Dimensions (L×W×H)	8000 × 3500 × 4500 mm
Unit Weight	35 – 44 T
Cooling Method	Water-cooled intercooler
Control System	PLC + LCD Touchscreen
Communication	Modbus Protocol
Lubrication	Oil-free
Bearing Type	5-pad tilting pad bearings
Standards	IEC / GB

### KEY FEATURES

- ▶ **100% Oil-Free Output** — Advanced labyrinth sealing ensures zero oil contamination in the compressed air stream — suitable for sensitive process applications.
- ▶ **Anti-Surge Protection** — Real-time pressure monitoring with automatic surge-line compensation — reduces energy use and protects the machine.
- ▶ **Straight-Tube Intercooler** — Removable straight-tube heat exchangers for easy cleaning. Corrosion-resistant construction for long service life.
- ▶ **3D Swept Impeller** — Five-axis CNC machined backward-swept impeller blades for high aerodynamic efficiency and fatigue resistance.
- ▶ **PLC Intelligent Control** — LCD touchscreen with real-time parameter display, automatic alarm and interlock shutdown. Modbus integration ready.
- ▶ **AGMA Grade 13 Gearbox** — Forged alloy-steel gearbox with carburized tooth surfaces for high load capacity and long service life.

Hovol Air — a product line of Hovol Global

Qingdao Hongwo Trading Co., Ltd. (青岛宏渥商贸有限公司)

Rm 4, 6/F, Zhongxin Bldg, No. 247-263 Liaoning Rd, Shibei District, Qingdao, Shandong, China

Centrifugal specs measured at 35°C, 80% RH, 100 kPa inlet, 32°C cooling water. Subject to change; custom configurations available.

[hovol-global.com](http://hovol-global.com)

[tomas@hovolglobal.com](mailto:tomas@hovolglobal.com)

WhatsApp / Tel: +86 188 0025

0771