

# P300 AC

Industrial Air Compressors

## Air-Cooled Efficiency You Can Rely On

The new P300 AC expands the Polaris® product line with a true plug-and-play, air-cooled centrifugal compressor that eliminates the need for cooling water. Designed to deliver ISO 8573-1 Class 0 oil-free air with exceptional energy efficiency and reliability, the P300 AC is ideal for facilities where water availability, infrastructure limitations, or operating conditions make air cooling the preferred choice.

Maintaining a similar compact footprint as the current P300, the P300 AC features a custom aerodynamic design with top-mounted intercoolers, an integral solid-state soft starter, VFD-controlled fans, a standard sound enclosure, and the Regulus® R2000 control system for optimized thermal management, simplified installation, and intuitive operation.

Built on more than 60 years of FS-Elliott oil-free air expertise and API design heritage, the P300 AC brings proven Polaris technology to facilities that demand reliable, energy-efficient, oil-free compressed air.

### Product Range

| | | |
|---|---|---|
| **Flow** | 900–2,200 cfm | 25–60 $m^3$/min |
| **Power** | 250–450 hp | 185–335 kW |
| **Pressure** | 40–150 psig | 2.75–10.5 barg |

*Compressor shown below is configured with the optional internal air filter.

### Typical Industries:

- Automotive
- Electronics
- Food & Beverage
- Metal
- Pulp & Paper
- Rubber & Plastics
- Textiles



# P300 AC

## Faster, Easier Maintenance

- Horizontally split gear case and removable airend simplify inspection and maintenance without disconnecting air piping
- Split bearings and seals allow maintenance without rotor removal
- Standard Change-On-The-Go air filters enable quick replacement; optional integral filter available
- Generous internal access simplifies maintenance

## Efficient Cooling with Less Energy Waste

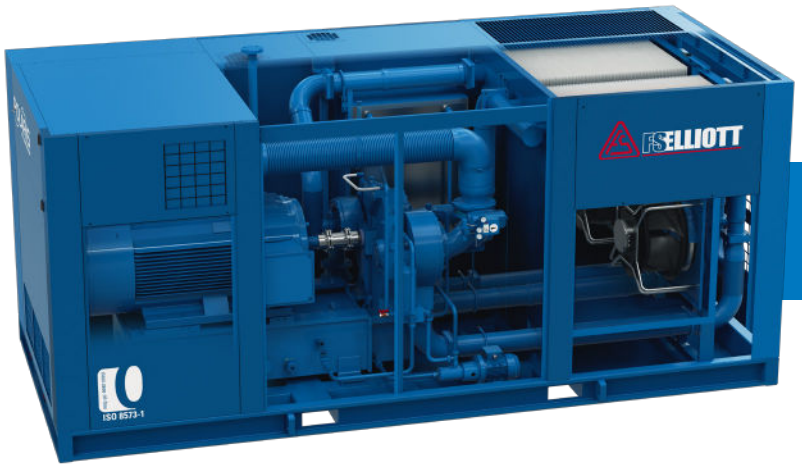
- Top-mounted, high-efficiency air-to-air intercoolers with VFD-controlled fans optimize cooling while minimizing pressure drop
- Optional external aftercooler supports additional cooling requirements
- Optional zero-loss condensate drains reduce compressed air and energy waste

## Ready to Install and Easy to Operate

- Plug-and-play package design simplifies installation and commissioning
- Standard Siemens PLC-based controls support common instrumentation and communication protocols
- Standard sound enclosure and 460 V TEFC motor support quiet, reliable operation
- Large touchscreen HMI gives operators intuitive access to compressor controls and operating data

## Support throughout the Compressor Lifecycle

- Factory-trained channel partners provide commissioning and lifecycle support
- Rapid Response Storage Center provides ready access to backup airends
- Standard two-year bumper-to-bumper Polaris® warranty with optional SteadiAIR® extended coverage




360°

**See it from every angle. Scan to launch the 3D interactive model.**

Learn more about our air-cooled compressor solution at **fs-elliott.com.**

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