

AeroBlock™ standardized main air compressor

In celebration of our 30th anniversary in industrial air separation, Atlas Copco Gas and Process engineered the AeroBlock™ main air compressor to improve operational efficiency while reducing overall cost and delivery time.

HANDLE THE PRESSURE.

Atlas Copco

AeroBlock™ standardized main air compressor

Designed with the industry-leading integral-gear compression technology for which Atlas Copco Gas and Process is best known, AeroBlock™ offers a standardized design with aerodynamics that can be tailored to your specific application.

Lowering costs through greater efficiency

The standardized design of AeroBlock™ achieves significant savings by reducing CAPEX and improves efficiency to reduce OPEX as well.

This adds to the reliability already achieved by the integral-gear (IG) technology at the core of the compressor. The multi-speed capability of IG technology allows each high-speed rotor to run at the optimum speed, giving the best efficiency possible.

Features

Pre-engineered system with configurable options

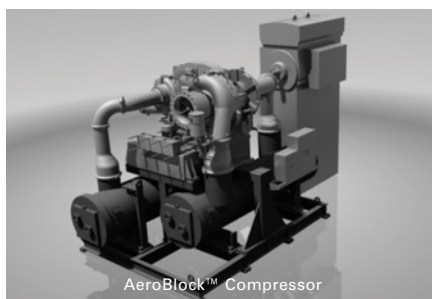
Maintains high reliability in a standardized design. Customers can select additional instrumentation as an option for lube oil systems, process gas, and seal support systems to best fit their needs.

Reverse rotation protection manifold

The patent-pending integrated design offers reverse rotation protection as standard. It brings simplicity by reducing the number of components, and improves reliability.

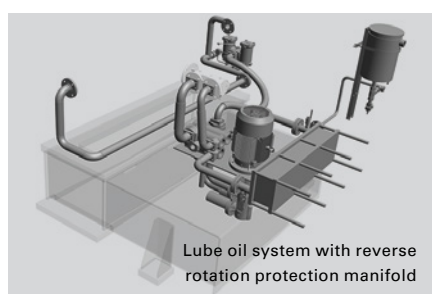
Plate-and-frame oil cooler

The easily serviced and compact design works with the integrated manifold to reduce the lube system footprint.



Flexible manufacturing means faster delivery

AeroBlock™ is manufactured in multiple cutting-edge facilities around the globe, staying close to customers. This promotes faster turnaround time on orders, as well as more comprehensive aftermarket support.



BENEFITS

Reduced cost resulting from optimized design and improved machine layout

Improved efficiency from proven integral-gear technology and seamless interaction of high-performance parts

Faster delivery thanks to worldwide compressor packaging facilities

Superior aftermarket support through our network of 120+ engineers

Technical specifications

Inlet pressure:
0.795–1.05 bar(a)
11.5–15.2 psia

Outlet pressure:
6–13 bar(a)
87–188 psia

Inlet temperature:
-29°–50° C
-20°–122° F

Flow:
37 000–54 000 m³/hr
21 777–31 783 acfm

Power:
3 865–6 543 hp
2 882–4 879 kW

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