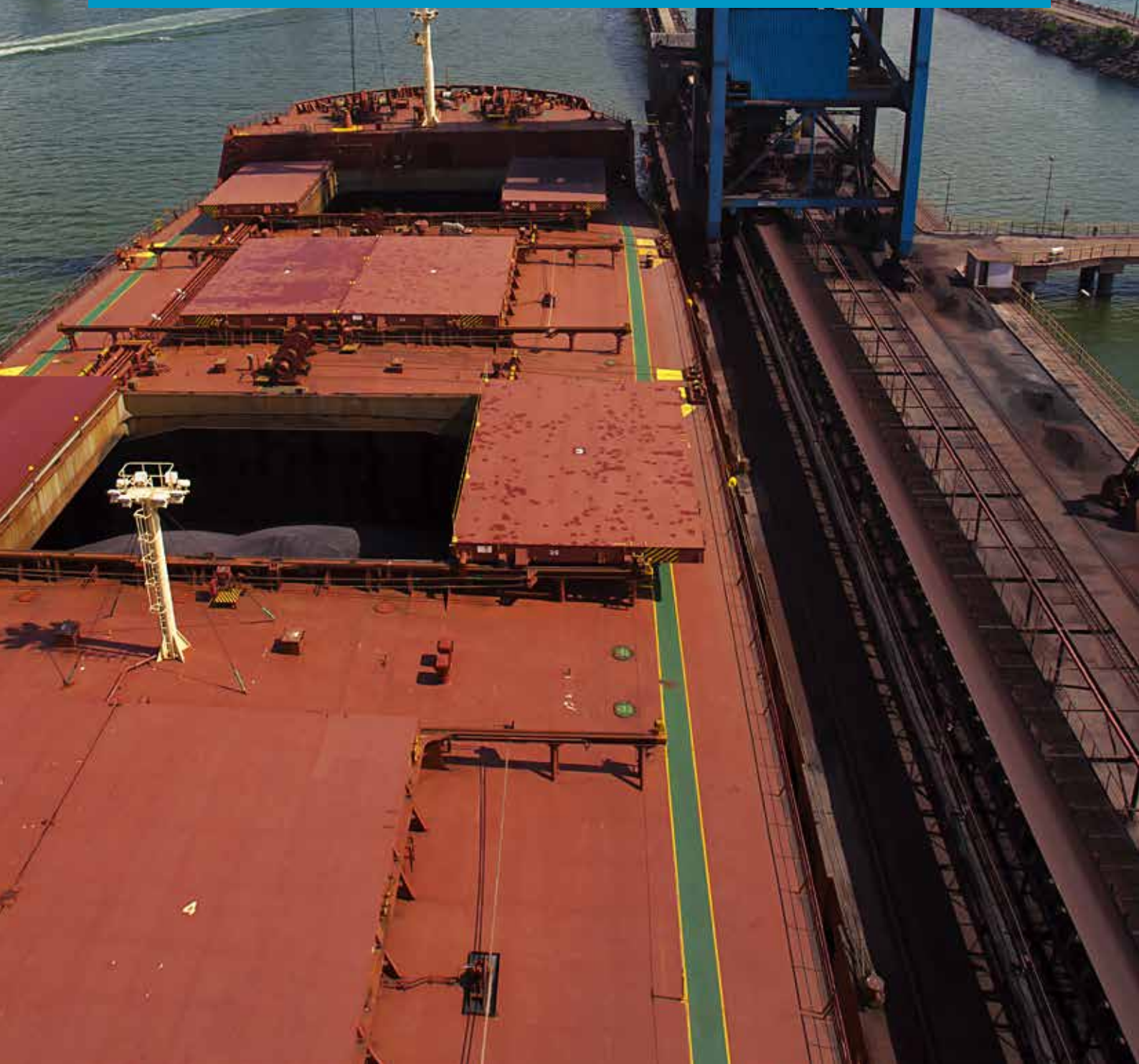


# *Nitrogen feed and bulk handling air systems*

Oil-injected screw compressors for marine applications

*Sustainable Productivity*

*Atlas Copco*





## NITROGEN FEED AND BULK HANDLING AIR AT YOUR FINGERTIPS

Not all maritime applications require constant compressed air. Nitrogen feed and bulk handling air, for example, needs to be available at the push of a button. Atlas Copco compressors are ready to go when you need them.



### Built for marine

Atlas Copco nitrogen feed and bulk handling compressors are made for the hard life onboard a ship. They are built especially compact to fit in the smallest spaces and work optimally in harsh environments and high ambient temperatures. Their motor is approved for non-essential or essential on-board duty.



### Ready to install, easy to use

Our compressors come delivered as a single ready-to-use package with oil and aftercooler, water separator, air inlet filter already included. The user-friendly interface allows easy access to all monitoring options, including safety devices, service schedule, general alarms, ...



### Complete solutions

Atlas Copco can meet all your on-board compressed air needs with complete, integrated systems that include compressors, dryers, filters and receivers. Atlas Copco is the only company that can source all these technologies in-house and deliver them as turnkey packages. This means you can work with just one supplier for the commissioning and maintenance of your air system.



## A TRUSTED MARINE PARTNER

### Versatility

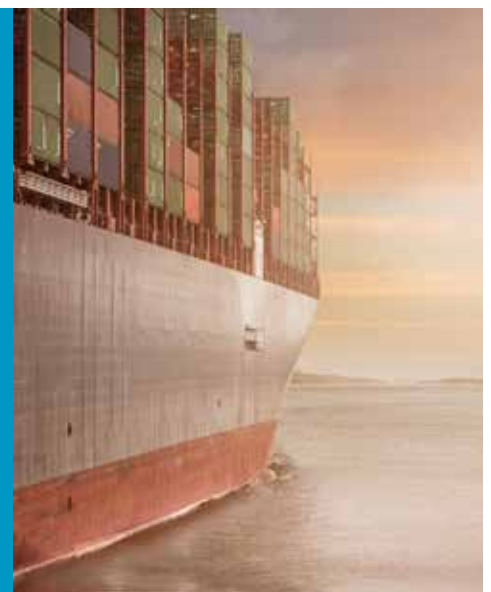
Hardly any two ships are the same, so why should their equipment be? Atlas Copco can offer a custom solution that matches your exact needs. We will find the right air system with the lowest overall cost of ownership.

### Confidence

Alone on the high seas, your crews need to be able to trust their equipment. Atlas Copco's state-of-the-art marine products are built and certified to weather the roughest conditions.

### Proximity

We are wherever your ships are going. Atlas Copco is present in more than 160 countries. With an extensive dealer network and a variety of service offers, we make sure you keep running full steam ahead.





## MAS 55-355

With its compact footprint, open frame and powerful performance, the MAS 55-355 is the ideal marine compressor for nitrogen generation and bulk handling.

- **Outstanding performance** – State-of-the-art screw element with unique asymmetric rotor profile and meticulous bearing selection. Choose from different starter types: Star/Delta, DOL and Soft Starter.
- **Energy-efficiency** – Variable speed drive, diesel and hydraulically driven versions available upon request.
- **Low service costs** – Easy access to all service parts facilitates operation, service and maintenance.
- **Proven reliability** – Designed to run even in up to 55 °C/131 °F ambient temperature.
- **Flexible installation and operation** – Marine motor with reduced starting current avoids stress on generator system.
- **Ease of operation** – Voltage-free contacts to customer installation (open-closed): automatic operation, general warning, general shut down, load-unload, motor running and local-remote.

## COMPRESSORS FOR NITROGEN APPLICATIONS

Atlas Copco's oil-injected screw compressors are ideally suited for nitrogen generation. A wide range of available pressures – between 7 and 14 bar(g) – ensures an optimal pressure/capacity ratio with minimal energy use. Optional modulating or frequency control technology allows you to maintain constant pressure for maximum membrane efficiency. Minimal rest oil improves filter, membrane and CMS lifetime and results in longer service intervals and lower maintenance costs.

## BULK HANDLING AIR SOLUTIONS

Atlas Copco offers a dedicated 6-bar compressor for marine bulk handling applications. Unlike lower pressure blowers often used for pneumatic conveying, these oil-injected compressors can overcome conveyor start-up resistance and pressure drops. In the confined spaces of maritime vessels, their higher pressure allows the air to manage the small pipe diameters and curves without losing capacity.

## **EXCEEDING THE TOUGHEST STANDARDS**

Atlas Copco has been granted triple ISO 9001:2000, ISO 14001:2014 and OHSAS 18001 certification for Quality, Environmental and Occupational Health & Safety Management by Lloyd's Register Quality Assurance (LRQA). This demonstrates our commitment to the quality of our services, our care for the environmental impact of our operations and the health of our employees and customers.

Atlas Copco has a close working relationship with all major classification societies. We are always working to develop our products for the benefit of ship owners and vessel crews by ensuring our products perform optimally in the most demanding maritime conditions and temperatures.



## **COMMITTED TO SUSTAINABLE PRODUCTIVITY**

We stand by our responsibilities towards our customers, towards the environment and the people around us. We make performance stand the test of time. This is what we call – Sustainable Productivity.

[www.atlascopco.com/marine](http://www.atlascopco.com/marine)

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Designs and specifications are subject to change without notice or obligation.  
Read all safety instructions in the manual before usage.

**Atlas Copco**