



Atlas Copco

Atlas Copco Rental

TwinAir 2800+

RigSafe and Safe Zone certified
High pressure solution

Performing under pressure

At Atlas Copco Rental, in-the-field expertise leads to unique Total Solutions for real-life applications. The TwinAir 2800+, the newest high-pressure solution in our fleet, reduces operational expenses and footprint while providing you the pressure and flow you need when you need it. Remote monitoring features allow for close follow-up without having to travel out to sea or remote locations. Thanks to our "Stacking" option, you can create 5.600 cfm on a 20' footprint. The TwinAir 2800+ will meet and exceed your expectations on every level.



Performance data for information only

General information

Dimensions (l x b x h)	mm	6058x2438x2890	Sound power level (LWA)	dB(A)	115
Weight with full fuel tank	kg	18.000	Sound pressure at 7 meter (LPA)	dB(A)	87
Capacity of fuel tanks	l	1800			

Compressor information

Number of compression stages		2
Air outlet connection	BSP	2 x 3"
After cooler	°C	A + 15
Max. working pressure	bar(e)	35
Min. effective working pressure	bar(e)	15
Free air delivery @35barg	m ³ /min	2 x 35
Free air delivery @22barg	m ³ /min	2 x 39
Fuel consumption @ 100% FAD	l/h	2 x 101
Max. ambient temperature	°C	50

Main features

Offshore & Rig Safe equipment - CE certified	PACE & XPR technology on board
Remote monitoring & screen mirroring	External emergency stop (110/24 volt)
Stacking option to create 5.600 cfm on a 20ft footprint	20 ft ISO DNV 2.7-1 container & DNV certified slings
External fuel connection inlet ¾ outlet ½ Integrated	Spillage free container
Integrated after cooler & water separator	Option to comply with NORSOK Z-015 standards

An unprecedented space and cost-saving rental solution

Thanks to standardized sizes and strict regulations, it is relatively straightforward to calculate the impact equipment will have on your operational footprint. Which, as we all know is a valuable commodity, to say the least. What if there was a straightforward – and above all safe - way to reduce the impact of temporary equipment on your footprint, without influencing performance and efficiency?

By "Stacking" our Temporary Solutions we have found a way that doesn't only solve a problem, it creates an opportunity. An opportunity for you to continue to optimize your operations and increase efficiency. The

custom exhaust systems, which is part of the modular stackable setup, collects and directs emissions away from the crew.

In further compliance with regulations, ISO 14122 standards and Offshore requirements, we have developed a lightweight modular work platform. It is equipped with a walkway and handrail which provides safe access and excellent fall protection and thus significantly reducing risks of injuries to the operators. It also provides an extended standing platform for your operators to ergonomically work on the modular Stacked Solutions setup if necessary.

The only way is up

When space is limited, sometimes the only way is up. In compliance with ISO 14122 standards and offshore requirements, Atlas Copco Rental has developed a lightweight modular ergonomic work platform. It is equipped with a walkway and handrail which provides safe access and excellent fall protection and thus significantly reducing risks of injuries to the operators.

Certified and available immediately.

All components are installed in a functional, DNV 2.7-1 and EN12079 certified 20ft ISO CSC container with 3 layers of heavy-duty paint, which makes the Total Solution suitable for arctic and desert type conditions. Optionally, it can be delivered compliant to NORSOK 2015 for the Norwegian market.



Safety comes standard.

The TwinAir 2800+ is a Rigsafe and Safe Area compressor designed for offshore applications on vessels, drill rigs, and oil & gas platforms. Optionally, the TwinAir 2800+ can be equipped with gas detectors, which safely shuts down the compressor in the unlikely event of gas detection or similar hazards.

Highest capacity. Smallest footprint. Lowest cost.

The new TwinAir 2800+ houses two identical diesel-driven air compressors in a single 20ft container and has been developed to provide the highest output and airflow on the smallest possible footprint.

Then vs. Now

Numbers, stats, facts, and figures are all nice to have, but what if we could show you how our high pressure innovations can be used in-the-field? The following example will show you how much our innovations impact your operations.

Working parameters:

- 4000cfm (113m³/min)
- 100 bar
- 97% purity

The previous setup

- 5 x 25 bar TwinAir compressors. Each delivering 2000cfm, 56m³/min compressed air at 25 bar
- 3 x nitrogen membranes at 97% purity and 25 bar
- 2 x B18 TT booster with 25 bar feedair inlet pressure

The current setup

- 4 x TwinAir 2800+ compressors. Each delivering 2800cfm, 79m³/min compressed air at 35 bar
- 2 x nitrogen membranes providing 4000cfm 97% purity at 35 bar
- 1 x B18 TT boosters with 35bar feedair inlet pressure



What are the benefits for you?

Footprint and logistics:

Comparing both installation, we see that our initial solution required space for 10 x 20ft containers. The new solution only has 7 x 20ft containers. You would save roughly 20% on logistical costs thanks to the new setup.

And on top of that, we made our new TwinAir 2800+ stackable. So instead of having a footprint of 4 x 20ft containers on a ship's deck, we can reduce it to 2. This is reducing the total footprint by more than half. Going from a 10 to 4 container footprint. On an offshore vessel or platform, this is a notable advantage and huge benefit.

Costs and environment:

We have reduced the number of running engines from 12 to 9. Additionally, the new TwinAir 2800+ benefits from a lower fuel consumption compared to its predecessor. Reducing the number of running engines also reduces maintenance and service interventions and all the costs involved. The cost of a service technician going offshore cannot be ignored. Even more important is the 25% reduction in emissions for the same result.

To summarize:

- **20% saving** on logistics cost because of a fewer number of containers
 - **60% reduction** in project footprint
 - **50% reduction** involved costs on site or deck
 - **28% reduction** in fuel consumption
 - **25% reduction** in diesel engine emissions
 - **10% reduction** on operational and maintenance costs
- ... and an average of 17% reduction in rental fees for the full setup



Equipment often combined with the TwinAir2800+



Air treatment

High pressure air dryers

- Dewpoint down to -70°C ADP
- Pressure rating up to 500psi (35bar)
- Flowrate up to 5.000 CFM (140m³/min)
- Offshore certified DNV2.7-1 lifting frame



Nitrogen

High pressure and efficient nitrogen generators

- Nitrogen purity from 95% to 99,5%
- Pressure rating up to 500psi (35bar)
- Flowrate up to 3.500 CFM (100m³/min)
- RigSafe & Safe zone area
- Offshore certified DNV2.7-1 lifting frame



Boosters

High pressure air/nitrogen boosters

- Inlet pressure up to 500psi (35bar)
- Outlet pressure up to 5.000psi (345bar)
- Flowrate up to 4.500 CFM (127m³/min)
- RigSafe & Safe zone area
- Offshore certified DNV2.7-1 lifting frame



People

Qualified and certified service engineers

- Fully offshore certified (BOSIET/HUET/GWO/MIST)
- Qualified & certified for high pressure installations
- Followed extensive in-house booster training program
- Multi-language with fluent English
- Several years of high pressure & offshore experience

Seeing is believing: Total Solution Visualization

Your requirements: by providing an accurate visual presentation of the Atlas Copco Rental setup, all involved parties can assess and coordinate prior to the pre-commissioning phase. This ensures the highest operational efficiency once installation commences. We can provide detailed 3D images, videos, 2D installation drawings, and more upon request. Even if footprint isn't your first concern, visualization has many other advantages.

Mitigate risks: thanks to accurate simulations QHSE focus points and other challenges can be determined well in advance and all involved parties can be briefed.

Certification and compliance: Total Solution Visualization allows us to provide all compliance documents needed for project certifications and other administrative requirements.

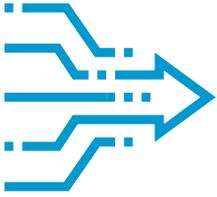
Peace of mind: by visualizing the setup, you know exactly what to expect. This allows you to align contractors well in advance, which, in turn, improves operational efficiency throughout the project.



Exceeding your expectations: by adding the Total Solution Visualization tool to our services, we further emphasize our Total Solution approach.

Atlas Copco Rental's experts: our total solution concept

More than offering state-of-the-art fleet, it is Atlas Copco Rental's people who bring the true value to your projects. Anywhere and anytime, **our experts are at your disposal** even in the most unpredictable and urgent situations.



Atlas Copco Rental has decades of experience operating in the industry, across all sectors: through this experience we have developed a **total solution concept** since we want to work in partnership with you to deliver exactly the solution that meets your requirements.

Contingency planning: We help you safeguard your business continuity

To prevent longer term utility outages Atlas Copco Rental studies with you a plan tailored to your operational needs. This study identifies requirements in terms of equipment and related accessories, access and connection conditions.

In the event of an emergency we will be there with the perfect solution in no time!

Design of temporary installation



Logistical services & installation



Maintenance & Operation



Demobilisation



Temporary Air, Power, Steam and Nitrogen

Oil-free air



Class Zero ISO 8573-1 certified compressors delivering guaranteed 100% contamination free air for even the most critical applications with the need to maintain safe operation of your equipment and projects.

Power



Clean, stable power in a mobile, diesel driven, silenced package, undisturbed by widely varying loads or extreme ambient conditions.

Oil-injected air



Cost effective compressed air, delivered by mobile and containerized units. Built to the most stringent specifications, rugged and suitable for even the harshest and most specialized markets.

Steam



Robust dual fuel steam boilers with the highest fuel to steam efficiency, delivered ready to use with all necessary accessories for a safe installation and fast start-up.

Air treatment



Energy efficient air treatment equipment: air dryers with dew points down to -70°C

Nitrogen



Onsite nitrogen generators for purities between 95 and 99.999%, at different flows and pressures.

Atlas Copco Rental, the industry leader

Worldwide reach

Atlas Copco is the industry leader when it comes down to short or long term rental of industrial air, power, steam and on-site nitrogen. Available 24/7, we offer a total solution: state-of-the-art fleet, logistics, installation, maintenance and energy management. All tailored to your needs.

Tough standards

The Specialty Rental Division has been granted triple certification to ISO 9001, ISO 14001, ISO 45001 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.



The logo features the text "Atlas Copco" in a white, italicized serif font, centered between two horizontal white bars.

www.atlascopcorental.com

