X-Air+ range

5-25 bar, 759-1235 cfm

The X-Air+ range

productivity, flexibility and full control

Drillers around the world rely on our DrillAir Range not only because of its reliability, but also because these units offer outstanding performance and fast return on investment.

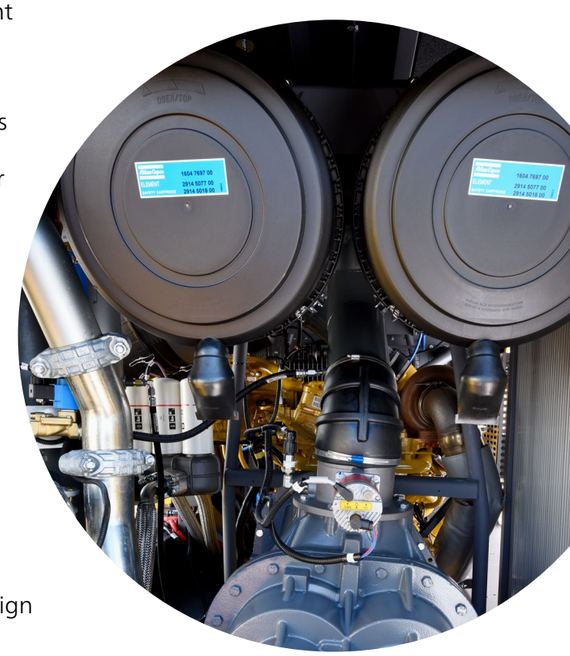
Our DrillAir compressors are mainly used for ground engineering, pipeline services, water well and geothermal drilling. However, thanks to its smart electronics, a DrillAir unit can also operate in a wide range of other applications, like abrasive blasting and utility services.

AirXpert 2.0

One Compressor, different jobs

Every drilling job is different, so you need a compressor that can adapt. Thanks to AirXpert 2.0, our performance management system, you can tackle more application with a single compressor.

With AirXpert 2.0 you have full control over the compressor's flow and pressure. Either flow or pressure is adjustable by the operator, the compressor automatically adjusts the other parameter.



Better performance – Dynamic Flow Boost

Dynamic Flow Boost gives you 10% addition flow when flushing and during drill stem refill. It means faster flushing, stem refilling and a shorter time to finish the drill job.

More precision - Flow Control

Take control over the exact amount of air your DrillAir needs to deliver to DTH. The pressure setting will be adjusted automatically to your desired flow. You can keep the penetration rate stable while you prevent exceeding the design pressure of the hammer. A fixed flow also gives optimum annular velocity which reduces the abrasive wear of hammer and tools.

Engines of the newest generation

The newest Caterpillar engines offer a wide power range, which means our compressors can be downsized and still deliver the same performance. Moreover, these new engines offer double service intervals and require maintenance only once every 500 hours.

State-of-the-art engines allow for lower fuel consumptions, with an average efficiency gain of 10%.

Modular design for easier maintenance

A modular design across various models makes maintenance straightforward and limits spare part stock requirements.

The X-Air+ range – putting you in control

1 High-efficiency in-house design screw element

Our highly efficient in-house designed screw element coupled with a new, high-tech electronic engine brings an efficiency gain more than 10%

2 AirXpert 2.0 regulation system

Our patented AirXpert 2.0 performance management system regulates the engine speed, to optimize flow delivery. Matching the output to the application's demand results in a higher drilling speed. The 10% additional flow during flushing and stem re-filling allow you to complete the job faster.

3 Xc4004 Smart Air controller

The Xc4004 controller puts users in complete control. Intuitive, with an easy user interface, the controller shares an on-board histogram of important parameters, allowing performance monitoring and preventive maintenance.

Our Xc4004 controllers are equipped with ECO-mode function, a software setting that makes the compressor switch automatically from load to unload and no-load when the application doesn't need air. For some applications, when ECO-mode is active, the compressor saves up to 50% on fuel.

4 3-step fuel filtration

Our 3-step Fuel filtration as standard supply protects the fuel system resulting in higher uptime

5 New oil-separator vessel

Our patented oil separator vessel design gives 40% more filter surface, which keep the flow from deteriorating over the lifetime of the separator element. The fixed connection of lines eliminates the risk of incorrect installation and reduces the time to replace the oil separator element to 30 minutes.

6 Toggle switch

The toggle switch allows you to switch between two pressure setpoints. The operator can conveniently switch between different applications with a single touch of a button.

7 C3 certified coating

The C3-certified coating protects your compressor from all weather conditions or scratch damage, resulting in longer lifetime and a higher resale value.

8 High altitude operation

All our high-performance engines are tested and certified to work at altitudes of up to 4500m.

9 Leakage-proof frame (optional)

The leakage-proof frame with 110% containment protects your job site from leaks.

10 Condensate flashing – optional

Condensate generated by the aftercooler is evaporated through the exhaust system, without manual intervention. Condensate flashing keeps the ground around the compressor clean at all times.

11 OilXpert (optional)

OilXpert is our technology to regulate the oil temperature, keeping condensate levels in check. This technology prolongs the lifetime of the compressor oil and, ultimately, protects the screw element against wear and tear.

12 High efficiency engines

The newest generation of engines with electronic injection is 10% more efficient, improved fuel consumption and smaller size.

13 Tie-down (optional)

Our compressors are made to be on the move. For a secure transport, the optional tie-down eyes allow you to safely strap the compressor to the truck.

14 Bumper protection

Our bumper protection eliminates the risk of damage to the outlet valve during transport or operation.

Stop compressing air – start controlling it!

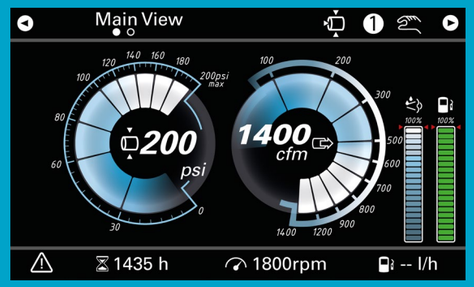
The Smart Air Xc4004 controller features the latest innovations. We believe a controller should put you in complete control, while being intuitive, and most importantly easy to use and navigate.

Smart controls also protect your investment: improve your efficiency while decreasing the operating costs of your equipment through advanced insights.

Advanced features:

- Smart user interface with key parameters at first sight.
- Mirror application for remote control.
- Audible, clear warning system for any deviations.
- Robust design which resists water and dust (IP67 rated).
- Takes efficiency, control and connectivity to the next level.

SMART AIR
Xc4004
CONTROLLER



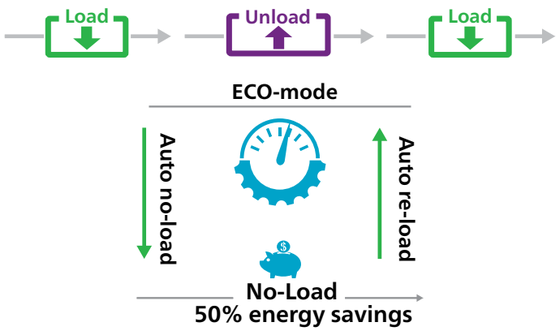
- **Easy to use interface**
- **Powerful insights increase uptime**
- **Save time through remote controlling**

Powered by
ECO-MODE

Smart electronics for fuel savings

Choose a compressor that only runs when you need air.

With ECO-Mode, the compressor switches automatically from load to unload and no-load, depending on the parameters controlled by the operator. During no-load, **the compressor saves up to 50% on energy**; compared to normal idle status.



How does it work?

If your application has long periods without air demand, for example during drill rod changes or tramming, your compressor goes into "unload mode".

When ECO-Mode is activated, the compressor will automatically switch from unload to no-load (ECO-Mode), resulting in fuel savings.

As soon as the work is resumed, an air discharge pressure sensor detects the air demand of the application and the controller automatically triggers re-load of the compressor. This auto detection feature makes sure you are up and running again in a heartbeat.

The same air, less fuel

You can activate ECO-Mode on the controller and determin which settings trigger auto no-load and re-load. The savings depend on your settings and your application.

Technical data overview

Model		X-Air+ 1250-10	X-Air+ 1250-14	DrillAir X-Air+ 900-25	DrillAir X-Air+ 1100-25
Normal effective working pressure	bar (g)	5 - 10.3	5 - 14	16 - 25	16 - 25
	psi (g)	72.5 - 150	72.5 - 203	232 - 362.5	232 - 362.5
Actual free air delivery without aftercooler	cfm	1235 - 1136	1038 - 943	886 - 759	1095-1008
	m^3/min	35 - 32.2	29.4 - 26.7	25.1 - 21.5	31-28.6
	L/sec	583 - 536	490 - 445	418 - 358	517-476
Max.sound power level (Lw @2000/14/EC)	dB(A)	106	106	107	107
Max. sound pressure level(Lp -7m @ ISO 2151)	dB(A)	76.3	76.3	77.3	77.3
Engine					
Engine brand/make		Caterpillar	Caterpillar	Caterpillar	Caterpillar
Engine model		C9.3B	C9.3B	C9.3B	C9.3B
Emission stage		Stage IIIA	Stage IIIA	Stage IIIA	Stage IIIA
Full load engine speed	rpm	2200	2200	2200	2200
Engine power at full load engine speed	kW	250	250	250	280
Number of cylinders		6	6	6	6
Unload/unload speed		1300	1300	1300	1300
Capacity of oil sump		30	30	30	30
Dimensions					
Support-mounted - length	mm	4063	4063	4063	4063
	inch	158.5	158.5	158.5	158.5
Support-mounted - width	mm	2140	2140	2140	2140
	inch	83.5	83.5	83.5	83.5
Support-mounted - height	mm	2305	2305	2305	2305
	inch	89.9	89.9	89.9	89.9
Support-mounted - weight (wet)	kg	5200	5200	5200	5500
	lb	11440	11440	11440	11440
Undercarriage - min lenghts	mm	6125	6125	6125	6125
	inch	238.9	238.9	238.9	238.9
Undercarriage - min width	mm	2140	2140	2140	2140
	inch	83.5	83.5	83.5	83.5
Undercarriage - min height	mm	2480	2480	2480	2480
	inch	96.7	96.7	96.7	96.7
Undercarriage - min weight	kg	5700	5700	5700	6000
	lb	12540	12540	12540	13200

Available options	
1	Wagon
2	Support mounted
3	Cold Start
4	After-cooler
5	Leakage-proof frame
6	OilXpert for HP models
7	High Ambient operation
8	Condensate Flashing
9	Mirror box
10	Tie-down

Power Technique Solutions Portfolio

Atlas Copco's Power Technique Business Area has a forward-thinking philosophy. For us, creating customer value is all about anticipating and exceeding your future needs – while never compromising our environmental principles. Looking ahead and staying ahead is the only way we can ensure we are your long term partner.

Air compressors

Ready to go

- 1-5 m^3/min
- 7-12 bar

Versatility

- 5.5-22 m^3/min
- 7-20 bar

*Diesel and electric options available

Productivity partner

- 19-116 m^3/min
- 10-345 bar

Handheld tools

Pneumatic tools

- Breakers (2,5 – 40 kg)
- Rockdrills (5 – 25 kg)
- Underground Rock Drills
- Additional Air Tools

Hydraulic tools

- Breakers (11 – 40 kg)
- Additional Hydraulic Tools
- Powerpacks

Petrol engine driven tools

- Breakers & Tie Tampers (25 kg)
- Rockdrills (23 Kg)

Generators

- Portable
- Mobile
- Industrial

*Multiple configurations available to produce power for any size application

Light towers

- Diesel LED and MH
- Electric LED
- Battery LED

Dewatering pumps

- Submersible
- Surface
- Small portable

*Diesel and electric options available

Atlas Copco

Atlas Copco Power Technique

atlascopco.com/e-air