Atlas Copco

DrillAir range

X-Air+ 750-25, X-Air+ 800-20, H32, V28, X28, V39, Y35, X-Air+ 1200-40

For ground engineering, drill & blast, water well and geothermal drilling

DrillAir -
Putting you in control

At Atlas Copco, we know the drill when it comes to compressed air, whatever the flow or pressure. A DrillAir compressor offers the perfect harmony between pressure and flow and puts you in full control of these parameters, while saving fuel.

When it comes to efficient drilling, there is no such thing as a one-size-fits-all. Depending on the depth of hole and the size of hammer, the right compressor makes all the difference. Choose the right product for your core business and get the **flexibility** to adapt to changes in drilling depth and hammer size.

Easy to move, easy to operate and easy to service

The whole compressor fits on one truck with the drill rig, the Xc4004 controller gives you a wealth of functionalities at the touch of a button and a DrillAir's service intervals stretch up to 1000 hours and those of the engine to 500 hours.

FUEL EFFICIENT

1TRUCK TO CARRY THE COMPRESSOR AND THE RIG

stage V

LOW TOTAL COST OF OWNERSHIP

Xc4004 SMART AIR CONTROLLER

Drill faster and **drive down fuel costs**

A DrillAir compressor is packed with technology that boosts your drilling efficiency while saving on fuel. Thanks to **AirXpert 2.0,** our performance management system, you have full control over the compressor's flow and pressure. AirXpert 2.0 is also a combination of software enhancements and the best possible components to increase your compressor's efficiency. Either flow or pressure is adjustable by the operator, the compressor automatically adjusts the other parameter.

Thanks to AirXpert 2.0, combined with the best engines on the market and our in-house designed Atlas Copco screw element, a DrillAir compressor allow you **to drill more meters per hour.**

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 versatility – Atlas Copco XPR

Atlas Copco's patented XPR technology **extends the working pressure range** downwards, to 15 bar. This pressure setting helps prevent soil cavitation during overburden drilling, as well as enabling the same compressor to be used for both geothermal and foundation drilling.

High reliability:

- **OilXpert:** Smart electronics **increase the lifetime of the DrillAir's critical components**. OilXpert is our technology to regulate the oil temperature, keeping condensate levels in check, prolonging the lifetime of the compressor oil and, ultimately, protecting the screw element against wear and tear.
- **Hammer protection*:** The hammer protection feature is designed to ensure **consistent performance** and **protect tooling.** It operates by limiting the flow based on the hammer setting, with an override option available. When the pressure is below the hammer-rated pressure, the flow is not restricted. However, when the pressure exceeds the hammer-rated pressure, the flow is limited to the "hammer flow at rated pressure."
- **Unload pressure reduction*:** The unload pressure reduction feature addresses the challenging running conditions for the high-pressure (HP) element. It reduces the pressure setpoint after a certain delay to avoid pressure reduction during rod changes. This feature can be enabled with a certain delay, ensuring that leaks do not affect its function.

These features contribute to more energy-efficient, cost-effective, and reliable operations, enhancing the overall performance of the equipment.

(*) Features available only on X-Air+ 1200-40.

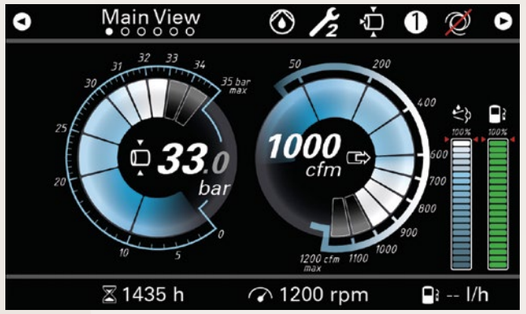
Stop compressing air – start controlling it!

Smart Air Xc4004 controller

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.



Powerful insights increase uptime

- Easy access to trends of 15 parameters.
- Increase uptime through preventive maintenance.

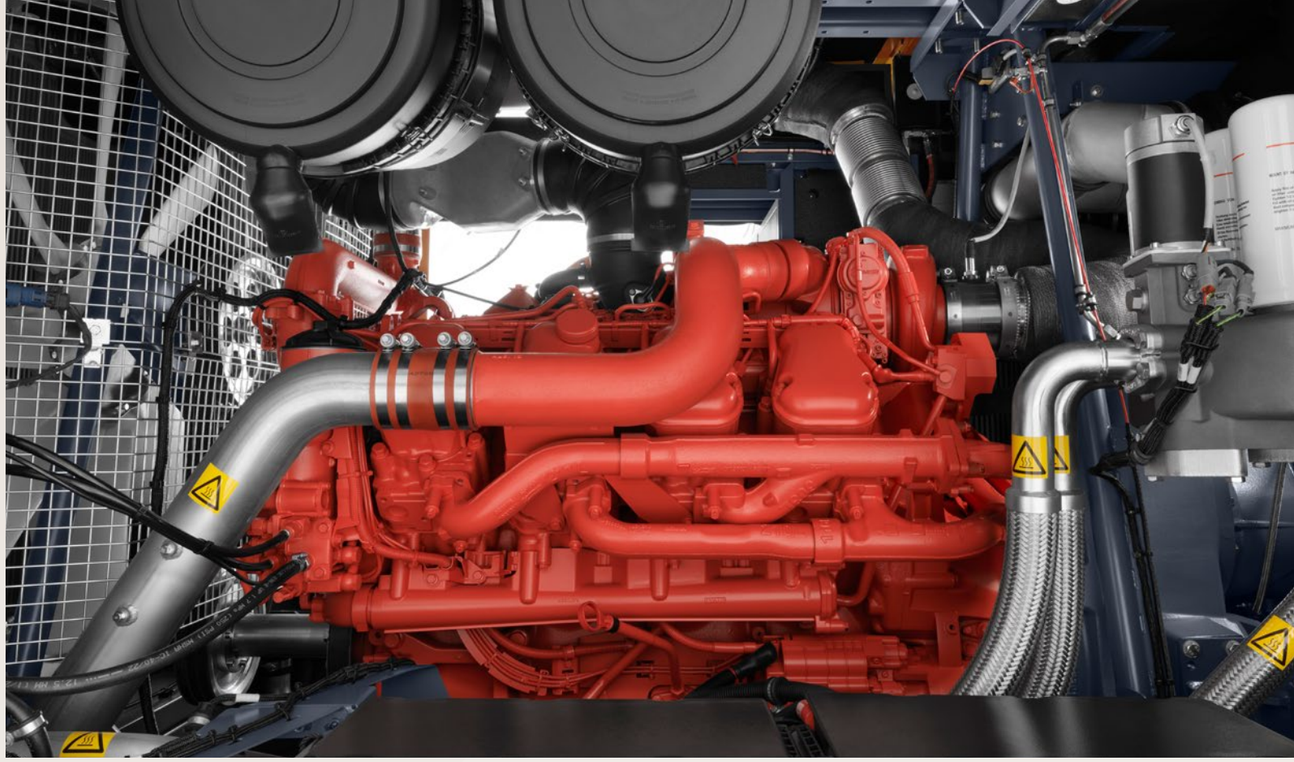
Easy to use interface

- 7 inch anti-glare LED screen.
- Simultaneous view of pressure and flow increase control on the output flow required by your application.
- Visible fuel and AdBlue® levels as well as running hours avoid unnecessary downtime.
- Personalised interaction through metrics and language settings.

SMART AIR Xc4004 CONTROLLER

Save time through remote controlling

- Mirror application: control feed air compressor through second controller at point of use.
- All machine parameters remotely adjustable: auto load/unload, dynamic flow boost, multi pressure / flow settings, emergency stop...
- Hard wired or RRC radio remote connection.



Unleash your **DrillAir's potential**

stage V

Engines of the newest generation

We selected the most powerful and recent engines for our DrillAir range of compressors, all **compliant with Stage V,** the most recent European emission legislation.

Stage V engines **reduce the emission of harmful NO_x and particulate matter to near-zero levels,** protecting the environment. Scania uses selective catalytic reduction (SCR), a diesel oxidation catalyst (DOC) and a diesel particulate filter (DPF) technology to meet the Stage V emission legislation. By injecting a urea based additive, AdBlue®/DEF (diesel exhaust fluid), into the after-treatment system, a chemical reaction takes place that converts the harmful nitrogen oxides (NO_x) into diatomic nitrogen (N_2) and water.

These state-of-the-art Scania engines minimize both your operating cost as well as the environmental impact of your machine. Thanks to the combination of this engine and our in-house designed oil-injected screw element, our DrillAir compressors offer **industry-leading fuel efficiency rates.**

Which unit is right for your job?

Thanks to AirXpert 2.0, you have the versatility to run your DrillAir compressor at various flow and pressure settings. When choosing a DrillAir unit, just consider your core business to enjoy the best possible efficiency, while knowing it will tackle those additional applications too.

Technical data

Technical data	Value	X-Air+ 750-25	X-Air+ 800-20
Working pressure	bar (g)	16-25	13-20
Free Air Delivery	m^3/min	20-19	22-21
Free Air Delivery	cfm	699-678	773-731
Free Air Delivery	l/s	330-320	365-345
Engine			
Brand & model		Cummins QSB6.7	Cummins QSB6.7
Emission stage		Stage V	Stage V
Rated power at full load	kW	231	231
Full load speed	rpm	1100-1920	1100-1995
Fuel consumption			
100 % load	l/h	50,02	50,21
75 % load	l/h	37,54	36,13
Specific fuel	g/m^3	36,3	33,4
Fuel tank capacity	l	270	270
Dimensions (L x W x H)			
Support-mounted box	mm	3603 x 1750 x 1773	3603 x 1750 x 1773
Undercarriage wagon	mm	n/a	n/a
Undercarriage tandem	mm	5751 x 1978 x 1978	5751 x 1978 x 1978
Weight			
Support-mounted box	kg	3200	3200
Undercarriage wagon	kg	n/a	n/a
Undercarriage tandem	kg	3500	3500

Technical data

Technical data	Value	X28	H32	V28	V39	Y35	X-Air+ 1200-40
Working pressure	bar (g)	16-30	13-20	16-25	16-25	15-35	15-40
Free Air Delivery	m^3/min	34-29	38.5-33	33-30	44-39	40-35	39-32
Free Air Delivery	cfm	1120-1028	1360-1165	1163-1070	1551-1388	1396-1229	1377-1143
Free Air Delivery	l/s	566-485	642-550	549-505	732-655	659-580	650-539
Engine							
Brand & model		Scania DC13	Scania DC13	Scania DC13	Scania DC16	Scania DC16	Scania DC16
Emission stage		Stage V	Stage V	Stage V	Stage V	Stage V	Stage V
Rated power at full load	kW	368	368	368	478	478	450
Full load speed	rpm	1350-1800	1350-1800	1350-1800	1200-1700	1200-1700	1560-1900
Fuel consumption							
100 % load	l/h	74,24	72,76	77,03	82,1	82,6	97,4
75 % load	l/h	55,14	51,16	55,09	58,4	59,9	72,5
Specific fuel	g/m^3	36	30.5	35.1	33.9	39.2	41
Fuel tank capacity*	l	600 (485)	600 (485)	600 (485)	1150 (720)	1150 (720)	1150 (720)
Dimensions (L x W x H)							
Support-mounted box	mm	4000 x 2100 x 2200	4000 x 2100 x 2200	4000 x 2100 x 2200	4100 x 2200 x 2500	4100 x 2200 x 2500	4224 x 2234 x 2379
Undercarriage wagon	mm	4900 x 2100 x 2200	4900 x 2100 x 2200	4900 x 2100 x 2200	6200 x 2200 x 2500	6200 x 2200 x 2500	6214 x 2234 x 2670
Undercarriage tandem	mm	6000 x 2100 x 2500	6000 x 2100 x 2500	6000 x 2100 x 2500	6900 x 2400 x 3100	6900 x 2400 x 3100	6849 x 2528 x 3204
Weight							
Support-mounted box	kg	5260	5260	5260	6324	6324	7840
Undercarriage wagon	kg	5936	5936	5936	6916	6916	8020
Undercarriage tandem	kg	6454	6454	6454	8518	8518	9960

* Depends on the platform version:
V39, Y35 and X-Air+ 1200-40: skid/tandem (wagon)
H32, V28 and X28: skid/wagon (tandem)

Our air solutions portfolio

Portable air compressors diesel driven

Small range

- 2-5 m^3/min (33-175 cfm)
- 7-12 bar (100-175 psi)

Medium range

- 7-24 m^3/min (250-850 cfm)
- 5-17 bar (73-250 psi)

Large range

- 20-60 m^3/min (700-2000 cfm)
- 7-40 bar (100-580 psi)

Portable air compressors electric driven

E-Air, electric range

- 4-32.5 m^3/min (140-1150 cfm)
- 5-14 bar (72-200 psi)

B-Air, battery range

- 3.8-5.5 m^3/min (135-194 cfm)
- 5-12 bar (72-175 psi)

Boosters

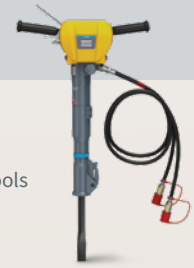
- Up to 128 m^3/min (4500 cfm)
- Up to 345 bar (5000 psi)

Handheld tools

Pneumatic tools

- Breakers (2,5-40 kg)
- Rock drills (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)
- Rock drills (23 kg)

Portable air treatment products

Nitrogen membrane generators

- Up to 85 m^3/min (3000 cfm)
- Up to 25 bar (363 psi)

Desiccant air dryers

- Up to 78 m^3/min (2750 cfm)
- 7-14 bar (100-205 psi)

Online solutions

FLEETLINK

Intelligent telematics is a system that helps optimize fleet usage and reduce maintenance, ultimately saving time and cutting operating costs.

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Atlas Copco Power Technique
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