

Atlas Copco

DrillAir range

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.

A DrillAir is **easy to move, easy to operate** and **easy to service.** The whole compressor fits on one truck with the drill rig, the new 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.





Technology for efficient drilling

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. XPR is only available on the Y35, as an option.

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. the overall performance of the equipment.

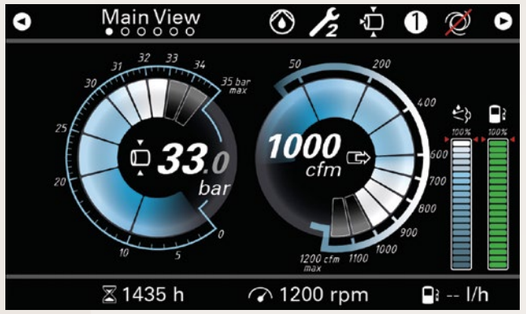
Stop compressing air – start controlling it!

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.



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 levels as well as running hours avoid unnecessary downtime.
- Personalised interaction through metrics and language settings.

Powerful insights increase uptime

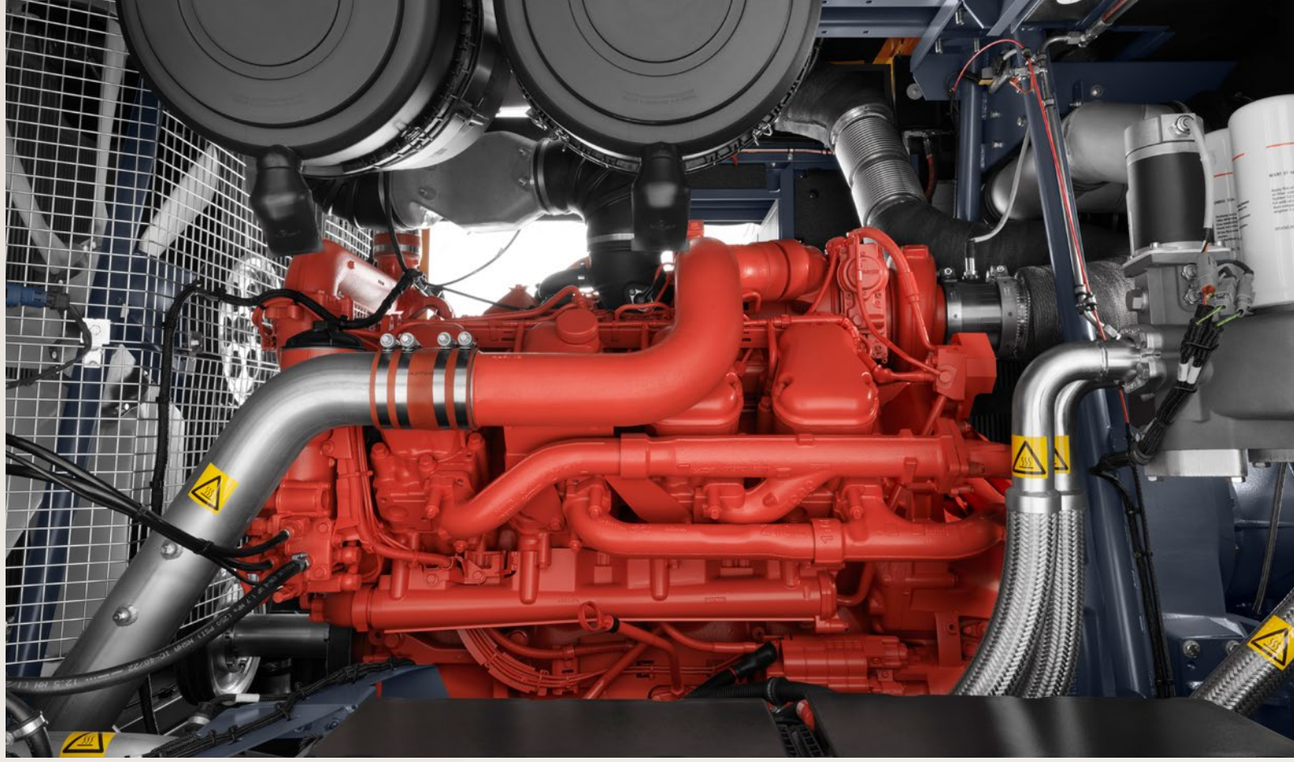
- Easy access to trends of 15 parameters.
- Increase uptime through preventive maintenance.

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.



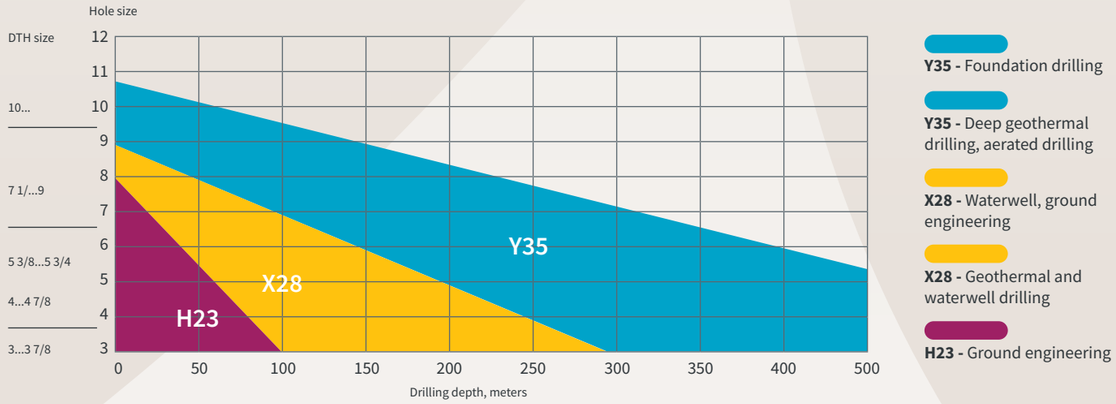
Unleash your **DrillAir's potential**

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

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.

Which unit for which purpose







Technical data

Technical data	Value	H23	X28	Y35
Emission stage		Stage II	Stage II	Stage II
Normal effective working pressure range	bar (g)	13-20	16-30	22-35 (15-35 with XPR)
Nominal flow at max working pressure	m^3/min (l/s)	22.8 (380) at 20 bar	29.04 (484) at 30 bar	34.8 (580) at 35 bar
Flow in Dynamic flow boost	m^3/min (l/s)	NA*	33.9 (565) at 16 bar	38.88 (648) at 15 and 22 bar
AirXpert 2.0		Yes	Yes	Yes
XPR		NA	NA	Down to 15 bar
Fuel consumption at 100%	l/h	46.43	67.83	84.6
Fuel consumption at 75%	l/h	32.67	47.23	64.32
Fuel consumption at 50%	l/h	26.77	36.69	48.53
Fuel consumption at 25%	l/h	21.05	27.51	NA
Fuel consumption at 0%				31.71
Engine make		Scania DC 09	Scania DC 13	Scania DC 16
Engine power (DIN 627 1)	kW	232	368	478
Emission compliance		Stage II	Stage II	Stage II

*Dynamic Flow Boost disabled due to noise restrictions.
** Pneumatic regulating system with dual pressure valve

Dimensions and weight

For DrillAir H23

Technical data		Wagon	Support-mounted	Tandem
Dimensions (L x W x H)	m	4.9 x 2.1 x 22	4 x 2.1 x 2.2	6 x 2.1 x 2.5
Fuel tank capacity	l	700	700	520
Weight (excl fuel)	kg	5426	4750	6461
Weight (incl fuel)	kg	6274	5598	7309

Dimensions and weight

For DrillAir X28

Technical data		Wagon	Support-mounted	Tandem
Dimensions (L x W x H)	m	4.9 x 2.1 x 2.2	4 x 2.1 x 2.2	6 x 2.1 x 2.5
Fuel tank capacity	l	700	700	520
Weight (excl fuel)	kg	5936	5260	6454
Weight (incl fuel)	kg	6786	6110	7304

For DrillAir Y35

Technical data		Wagon	Support-mounted	Tandem
Dimensions (L x W x H)	m	6.2 x 2.2 x 2.5	4.1 x 2.2 x 2.5	6.9 x 2.4 x 3.1
Fuel tank capacity	l	750	1200	1200
Weight (excl fuel)	kg	6916 (without forklift slots: 6796)	6324	8518
Weight (incl fuel)	kg	7690 (without forklift slots: 7570)	7489	9683

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)

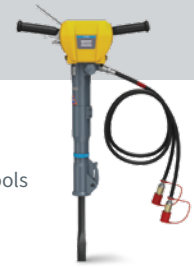
Handheld tools

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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