

High capacity drilling

The DrillAir range of compressors puts you in full control

Sustainable Productivity

Atlas Copco



DrillAir: Putting you in control

We have developed, and will continue developing, a full range of compressors known as the DrillAir range. This range of compressors is specifically developed to cover a multitude of drilling applications. The DrillAir range is built scientifically around the principals of pressure and flow. The focus of the design is the relationship between these two variables and for the compressor to find the combination which is right for the application – to improve the efficiency aspects of time spent and fuel consumed. With the DrillAir range you achieve the maximum air flow at any pressure setting.

There is no such thing as one size fits all when it comes to efficient drilling. Depending on the depth of hole and the size of the hammer the right product makes all the difference. The DrillAir range gives you the opportunity to choose a product which is right for your core business, while giving you the flexibility to adapt to changes in well depth and hammer size for any custom applications.

Let us find the DrillAir machine that is right for you!

XATS 1200



34.6-31.5 m³/min
5-10 bar

XAVS 1000



28.9-25.6 m³/min
5-14 bar

V900/V1200



36.8-22.8 m³/min
15-25 bar

X1300/Y1300



38.9-33 m³/min
13-35 bar

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Industries and applications



Drilling



Geothermal drilling and construction.



Mining



Blast hole drilling and exploration.



Oil & Gas



Pipeline, well services and aerated drilling.

Technology that makes a difference



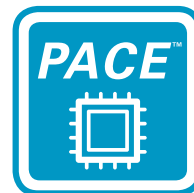
The combination of DrillAirXpert, the Atlas Copco screw element and a Cummins engine provides high efficiency for a wide range of pressure and flow settings.

DrillAirXpert offers up to 30% increased drilling speed.



Dynamic Flow Boost™ gives up to 4 m³/min additional flow when flushing and during drill stem refill. It means faster flushing, faster stem refill and a shorter time to finish drilling.

Dynamic Flow Boost can achieve 10% more flow at lower working pressure for larger diameter drilling.



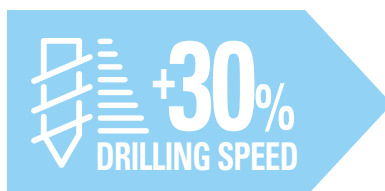
Thanks to the intuitive PACE™ system (Pressure Adjusted thru Cognitive Electronics) you receive the most options from a single compressor.

This pioneering technology enables multiple pressure and flow settings, ensuring you match air flow and pressure to your application needs.

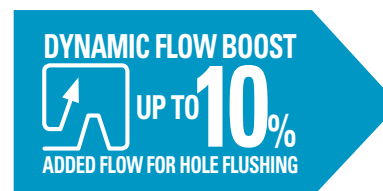


Atlas Copco XPR extends the working pressure range.

It is based on patented technology and lets you set the working pressure as low as 15 bar.



Data may change depending on model.



Built to be your long-term partner



The new oil separator system design reduces maintenance time by more than one hour.

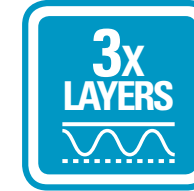
The centralized drain system makes the maintenance easier and less time consuming.

The 500 hour service interval reduces the maintenance frequency.



A strategic engine choice to meet your needs. Guaranteed support and longevity.

We chose the Cummins Stage III engine for this range.



The three layer protection coating of all bodywork minimizes repainting costs.

The top layer, a 100µm powder coat creates a barrier against mechanical damage. The 100µm layer of primer protects from corrosion infiltrating under the coating.

In the event of coating damage, the steel is protected by a Zincor layer.



>10  YEARS
CORROSION FREE

SERVICE
INTERVAL (HRS)
500 

FUEL SAVING UP TO
 15%

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Built better...



Advanced functionality with PACE™ function and IP65 protection.



PACE™ Technology Electronically controlled pressure regulating valve providing a wider pressure and FAD range.



Cummins G3/Stage IIIA performance engine.



Additional fuel filter for improved engine protection.



Sound attenuated muffler inside.

...| **V900**
XATS 1200
XAVS 1000
.....○



Integrated battery hub with anti-dust protection.



Integrated, optimized air filtration system for easy service and performance.



Integrated fail-safe outlet valves.



Ergonomic integrated ladder inside.



Dedicated service door for oil level filling and monitoring.

Performs better!



Visual Xc controller with PowerXpert, Dynamic Flow Boost and automatic start/stop.



Centralized drain for easy service.



Toggle switch to allow easy pressure switching.



DrillAirXpert to guarantee the most efficient drilling speed.

X1300
Y1300
V1200*



Integrated ladder for easy access to the roof.



Highly efficient in-house designed two-stage screw element.



Safe lifting slots.



Element service vessel. Less than one hour needed to change the oil separator element.



Top guided exhaust with insulation. Muffler in the dedicated and isolated chamber.

* V1200 machine is wheel mounted as standard. Design is the same box as the V900.

TECHNICAL DATA

		XATS 1200	XAVS 1000	V900	V1200	X1300	Y1300
Max. pressure	bar	5-10	5-14	16-25	15-25	15-30	15-35
	psi	72-150	72-203	232-363	217-363	217-435	217-508
Flow	m³/min	34,6-31,5	28,9-25,6	25,4-22,8	36,8-34	38,9-35,4	37,1-33
	l/s	578-520	482-425	423-380	613-566	648-590	618-550
	cfm	1225-1102	1021-901	896-805	1299-1200	1373-1250	1309-1165
Regulation system		PACE	PACE	PACE	DrillAirXpert	DrillAirXpert	DrillAirXpert
Extended Pressure Range XPR (optional)	bar	NA	NA	NA	NA	13-19	13-19
Flow in Dynamic Flow Boost mode	m³/min (l/s)	N/A	N/A	N/A	36.8 (613) at 15 bar	38.9 (648) at 15 bar	37.1 (618) at 15 bar
Engine model		DCEC QSL8.9-C360-30	DCEC QSL8.9-C360-30	DCEC QSL8.9-C360-30	DCEC QSZ13-C475-30	DCEC QSZ13-C550-30	DCEC QSZ13-C550-30
Engine band answer		Cummins Stage III	Cummins Stage III	Cummins Stage III	Cummins Stage III	Cummins Stage III	Cummins Stage III
Engine power	kW	264	264	264	364	410	410
Engine speed range	rpm	1200-1900 (1700 nom)	1200-1900 (1700 nom)	1200-1900 (1700 nom)	1300-1700 (1600 nom)	1300-1850 (1700 nom)	1300-1900 (1700 nom)
Dimensions wagon (l x w x h)	mm	4252x2100x2500	4252x2100x2500	4252x2100x2500	5000x2100x2405	5000x2250x2510	5000x2250x2510
Dimensions support (l x w x h)	mm	3830x2100x2250	3830x2100x2250	3830x2100x2250	4100x2100x2180	4210x2250x2270	4210x2250x2270
Dimensions skid	mm	3650x2100x2360	3650x2100x2360	3650x2100x2360	4100x2100x2180	4210x2250x2440	4210x2250x2440
Dry weight wagon	kg	4079	4079	4079	5765	6190	6190
Wet weight wagon	kg	4583	4583	4583	6500	7150	7150
Dry weight support	kg	3850	3850	3850	5118	5540	5540
Wet weight support	kg	4355	4355	4355	5850	6500	6500
Fuel tank capacity	Lit	420	420	420	614	876	876

OPTIONS AVAILABLE

- Wagon
- After cooler
- Support mounted
- CE certification
- Skid
- XPR
- Cold start
- Refining equipment

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Unmatched compactness

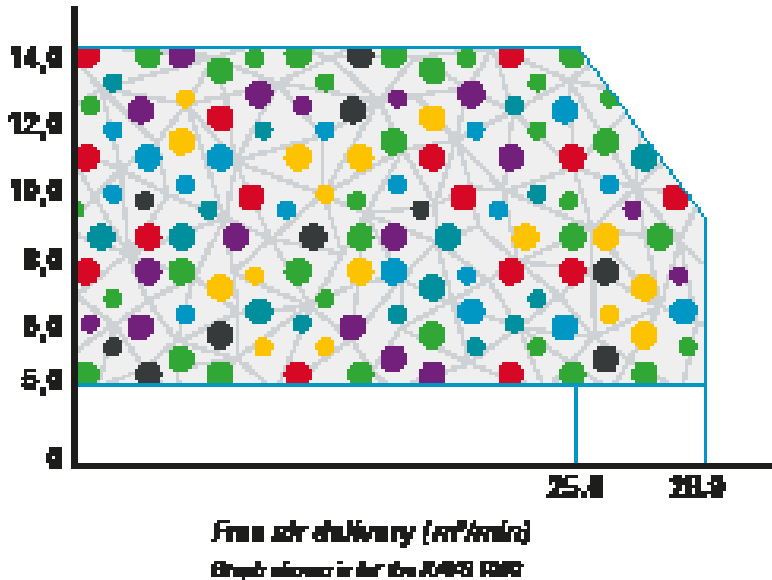
The small-footprint gives you the maximum options when it comes to transportation.

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PACE™ technology

PACE technology gives you higher utilisation, more versatility, improved efficiency savings and a higher return on investment!



What PACE is:

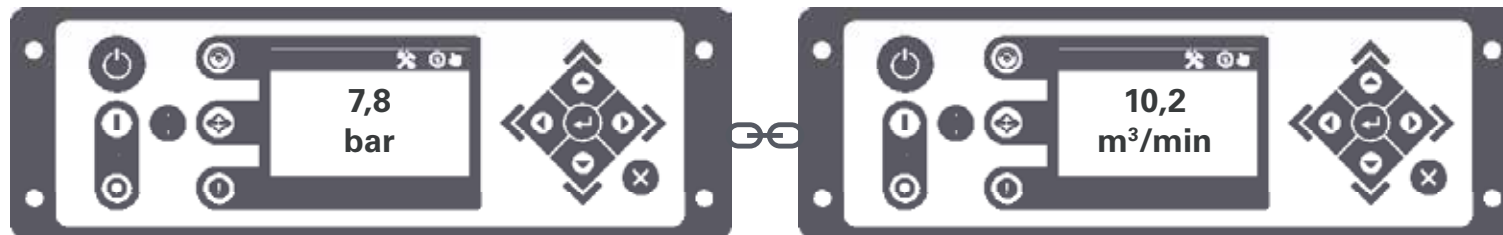
- ✓ An electronic regulation system programmed via a digital controller.
- ✓ A system that offers the widest operating pressure range within a single compressor. Allowing multiple pressure and flow combinations.
- ✓ A simple to use system with pinpoint accuracy and ensuring safety. Guaranteeing the long-term performance of the compressor.
- ✓ A system that gives you the versatility of three machines in one package.

What PACE is NOT:

- ✗ A linear system where adjusting the pressure dictates the flow.
- ✗ A regulation valve where you use guess work to manually adjust the settings.

You pick the pressure...

Your application's needs dictate the flow...



The PACE controller locks in, and regulates, the perfect combination!

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DrillAirXpert's performance management system

Hardware



Controller Xc4003



Electronically controlled inlet valve



Variable minimum pressure valve

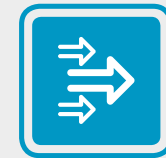


DrillAirXpert

Software enhancements



Dynamic Flow Boost®



Direct Flow Control



Extended pressure range

Product Portfolio

AIR COMPRESSORS

READY TO GO

- 1-5 m³/min
- 7-12 bar



VERSATILITY

- 5,5-22 m³/min
- 7-20 bar



Diesel and electric options available

PRODUCTIVITY PARTNER

- 19-116 m³/min
- 10-345 bar



GENERATORS

PORTABLE

- 1,6-12 kVA



MOBILE

- 9-1450* kVA



*Multiple configurations available to produce power for any size application

INDUSTRIAL

- 10-2250* kVA



DEWATERING PUMPS

ELECTRIC SUBMERSIBLE

- 250-16.500 l/min



CENTRIFUGAL

- 833-23.300 l/min



Diesel and electric options available

SMALL PORTABLE

- 210-2500 l/min



LIGHT TOWERS

LED



METAL HALIDE



ELECTRIC



Committed to sustainable productivity

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.

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