

Atlas Copco



B-Air 185-12

The world's first battery driven portable screw compressor

Electric, everywhere

The B-Air 185-12 is the world's first mobile screw compressor powered by a battery. Being a portable air compressor, it is designed with autonomy as a priority. The unit keeps running for at least one full working shift in typical conditions and applications. The B-Air offers you total flexibility so you can use it wherever you can imagine.

The unit has no local emissions, it is energy-efficient and quiet. This makes it perfect for any tough application that needs to be done in a sustainable way.



Reliable and robust

The first mobile battery driven screw compressor is engineered with Atlas Copco's forward-thinking philosophy. The compressor is designed for toughness and gets maximum performance out of its battery. The battery pack is contained in a triple enclosure, which gives the highest protection for tough applications, and is liquid cooled.

<p>NO LOCAL EMISSIONS</p>	<p>CONNECTION FREE</p>	<p>ENERGY SAVINGS</p> <p>UP TO 70%</p>	<p>LONG LIFETIME OF THE MACHINE</p>
<p>NO LOCAL EMISSIONS</p>	<p>LOW NOISE</p>	<p>INCREASED RELIABILITY</p>	<p>LESS MAINTENANCE NEEDED</p>

No power connection, no limits

The B-Air takes away your limits and offers the possibility to work easily at any hard to reach location. With its in-house designed permanent magnet motor and air element, it offers unmatched performance, at an incredibly small footprint.

CONNECTION FREE



ENERGY SAVINGS

UP TO **70%**



Highly efficient electrical motor

If we want to save energy, it's all about efficiency. Our electrical permanent magnet motor has an efficiency level of 94% and up. Compared to a traditional diesel motor that only reaches up to 35% and where 2/3 of the energy is wasted as heat instead of mechanical movement this is a big improvement.

Atlas Copco's VSD technology

Introducing NEOS Xtreme, an inverter designed and built in-house by Atlas Copco, the latest addition to our line of power-electric variable-speed drive (VSD) compressors. Built with durability and resilience in mind, NEOS Xtreme takes performance to the next level, specially designed to thrive in even the harshest and most challenging environments.

NEOS Xtreme is engineered to withstand extreme outdoor conditions, making it the go-to solution for industries that demand rugged and reliable equipment. Whether operating in scorching heat, freezing cold, dusty deserts, or humid coastal regions, NEOS Xtreme delivers consistent and dependable performance, ensuring uninterrupted operations for your critical applications.



Built to last

- By extending the lifetime of our machines, we adopt the circular economy principles.
- The electrical motor has a lifetime of 40.000 running hours which is 3 times longer than a comparable diesel unit
- The battery pack has an estimated lifetime of 1800 cycles before it drops below an 80% state-of-health.

LONG LIFETIME OF THE MACHINE

NO LOCAL EMISSIONS

No emissions, no worries

- Work with no local emissions in total freedom
- Low carbon solution for its diesel counterpart
- Save up to 140 tons of CO²

Say goodbye to noise

The B-Air has a sound level of 61 dB(A) at 7 meter. Compare this with a normal discussion between humans (60 dB(A)). You will barely notice it running.

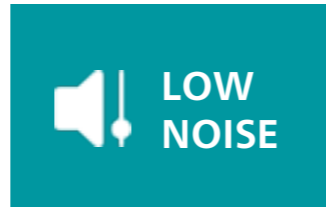
Your reliable and silent partner

The B-Air 185-12 has a high-tech and simplified interior design with only one moving part. There are less parts and they are all tested for the toughest working environments. Therefore we can proudly say this compressor is even more reliable than ever before. We make sure the B-Air stays in the best shape so you can focus on your job.

The electrical motor is virtual maintenance free. Maintenance is only needed every 2000 running hours, meaning 4 times less in comparison with a diesel equivalent.

Easy to service

Thanks to its smart design and top-notch electrical motor, it's very easy to maintain and access all service points of the B-Air 185-12.



Plug and charge

With its easy accessible socket system, the B-Air can be easily connected to a charging point.

Connect a standard charging cable to the unit, and get charged up again for another full working shift!



Engineered for tough conditions

Our battery driven B-Air portable compressor has been built and tested for the same robustness as his diesel and electric counterparts.

- HardHat hood
- Fit for ambient temperatures of up to 45°C
- C3-certified body-work
- Liquid cooled iso water-cooled inverter
- Oil-cooled electrical motor
- Permanent magnet motor features potted windings: IP66 rating for protection against dust and water

Control with the touch of a button

Effortlessly adjust settings, monitor performance, and maintain efficiency with just a simple touch. Whether you're a seasoned user or new to the world of our machines, our intuitive interfaces makes your job easier than ever. Say goodbye to complicated controls and hello to seamless productivity with our XC2003 controller.



With FleetLink, you'll have the latest fleet information concerning your fleet performance at hand, wherever, whenever.



Optimize fleet usage

Maximize the effectiveness and productivity of your fleet and uncover potential for optimization and savings.



Minimize downtime

Quicker response time to optimize maintenance planning.

Technical data

	Value	B-Air 185-12
Working pressure	bar (g)	5-7-10,3-12
	psi (g)	72-100-150-175
Free Air Delivery	m ³ /min	5,3-4,8-4,6-3,7
	cfm	185-173-161-130
	l/s	90-81-76-63
Operating ambient temperature range (with standard heater)	°C	-25°C - +40°C (min. battery cell temperature -20°C)
Operating ambient temperature range (with optional chiller)	°C	-10°C - +45°C
Motor		
Installed motor power	kW (Hp)	-37(50)
Electricity requirements		
Input voltage	V	230-480
Input phases		1 or 3
Rated frequency	Hz	50/60
Charger connector		IEC 62196 Type 2
Dimensions		
Undercarriage (L x W x H)	mm	3762 x 1593 x 2100
	in	1481 x 627 x 827
Undercarriage weight	kg	1500
	lbs	3307



Our air solutions portfolio

Portable air compressors diesel driven

Small range



- 2-5 m³/min (33-175 cfm)
- 7-12 bar (100-175 psi)

Medium range



- 7-22 m³/min (275-784 cfm)
- 7-14 bar (100-205 psi)

Large range



- 20-60 m³/min (700-2000 cfm)
- 7-35 bar / 100-500 psi

Portable air compressors electric driven

E-Air, electric range



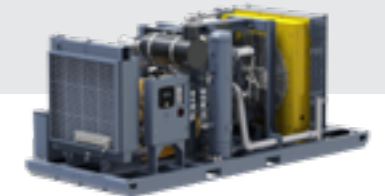
- 5.4-25 m³/min (190-900 cfm)
- 5-14 bar (72-200 psi)

B-Air, battery range



- 3.7-5.3 m³/min (130-185 cfm)
- 5-12 bar (72-175 psi)

Boosters



- Up to 127 m³/min (TBC cfm)
- Up to 345 bar (5000 psi)

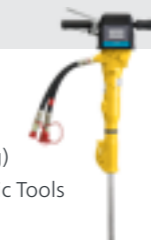
Handheld tools

Pneumatic tools



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

Hydraulic tools



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

Petrol engine driven tools



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

Air treatment products

Nitrogen membrane generator

- Max. flow: 3000 cfm
- Max. pressure: 25 bar



Online solutions

FLEETLINK

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



E-AIR TCO CALCULATOR

Does your jobsite have an electric power supply?

Then an electric compressor can reduce your operating costs significantly. Take the test and in only 5 steps you'll find out how much you will save.





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