# THE VERSATILITY RANGE

Products for every site. Options for everyone
11-23 $m^3$/min (7-14 bar)

جهان کمپرسور
Jahan Compressor

Atlas Copco

*Sustainable Productivity*

# The power of versatility

Our compressed air range from 11-23 $m^3$/min is simply known as the Versatility range. This range covers hundreds of applications across the world. We provide you with a compressor that can handle a multitude of applications in an efficient way.

When we focus on efficiency within medium sized compressors, it's all about the strategic triangle of size, flow and fuel consumption. Excelling in one of these areas is wasted excellence if you cannot provide the other two. Therefore, our promise to you is an industry leading range of optimized size-to-flow compressors, which have unparalleled levels of fuel efficiency and autonomy.

This range is designed to withstand the toughest working conditions. They have a standard operating temperature range of -10°C to +50°C, and a strong undercarriage. The range's robust nature guarantees reliable operation. The design, controller and modularity put you in control. This range is all about you!

**LOWER CAPITAL INVESTMENT**

One machine covers multiple applications

**INCREASED UTILIZATION**

Simple service and long service intervals

**FUEL SAVINGS**

Both efficiency and autonomy

**COMPACT SIZE**

With maximum flow

**ENGINE CHOICE**

Strategic choice to maximize efficiency and service

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# Introducing PACE technology

This skillfully versatile range offers you multiple possibilities. Thanks to its intuitive PACE system (Pressure Adjusted thru Cognitive Electronics) these models give you 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.

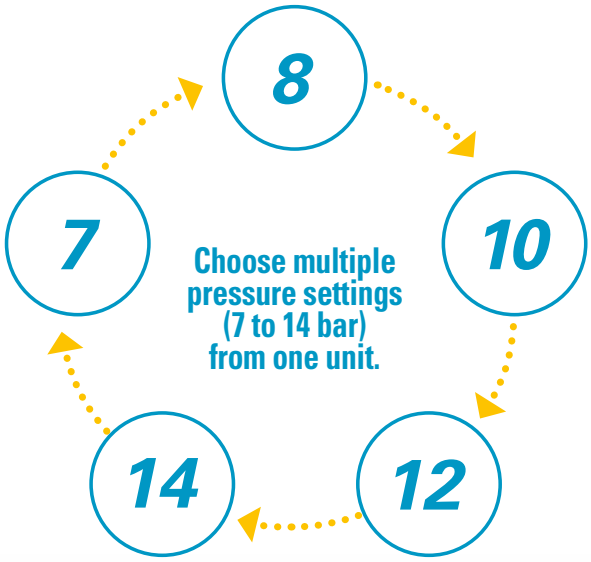
Optimize your fleet investment, improve utilization and get a higher return on investment. If you are using multiple machines to cover flow demands up to 11.4 $m^3$/min and pressure ranges from 7-14 bar, then now is the time to stop.

The PACE models also feature our legendary air element, ensuring higher efficiency, longer service intervals, unmatched reliability, increased lifetime and the lowest cost of ownership.

## PACE™

**Pressure Adjusted thru Cognitive Electronics**

- **Pressure can be set with the XC2003 controller in 3 simple steps.**
- **Pressure can be adjusted within increments of 0.1 bar.**
- **Toggle between the pressure presets in a single click.**



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# *PACE technology*

You need PACE to win the RACE...

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# PACE Compressors

The pressure and flow can be adjusted between the values listed below.

## TECHNICAL DATA

| Performance | | XAHS 108 | XATS 138 | XATS 186 | XAVS 186 |
|---|---|---|---|---|---|
| Working pressure | bar (g) | 7-10 | 7-10,3 | 7-10 | 7-14 |
| | psi (g) | 100-175 | 100-150 | 100-150 | 100-205 |
| Max. free air delivery (1) | $m^3$/min | 5,2 | 5,5-7,0 | 9,8-11,4 | 10,1-11,4 |
| | l/sec | 174 | 112 | 190 | 190 |
| | cfm | 185 | 189-250 | 345-402 | 358-402 |
| Max. ambient temperature | °C | 45 | 45 | 50 | 50 |
| Min. starting temperature / (cold start aid) | °C | -10 / -20 | -10 / -20 | -10 / -25 | -10 / -25 |
| **Engine** | | | | | |
| Model | | KUBOTA V2403-CR-T-E4B | Kubota E4B V2403-CR-T-E4B | John Deere 4045HFC04 | John Deere 4045HFC04 |
| Number of cylinders | | 4 | 4 | 4 | 4 |
| Output at rated speed | kW | 49 | 49 | 86 | 104 |
| Nominal speed | rpm | 2700 | 2700 | 1900-2200 | 1950-2200 |
| Unload speed | rpm | 1800 | 1800 | 1500 | 1500 |
| **Capacity** | | | | | |
| Engine oil | l | 9,5 | 9,5 | 14,7 | 14,7 |
| Compressor oil | l | 11 | 11 | 26,5 | 26,5 |
| Fuel tank capacity | l | 87 | 87 | 168 | 168 |
| **Noise level** | | | | | |
| Sound pressure level (LpA) at 7m | dB(A) | 70 | 70 | 71 | 71 |
| **Dimensions and weight** | | | | | |
| Length. inc fixed towbar | mm | 3395 | 3395 | 4940 | 4940 |
| Width | mm | 1593 | 1593 | 1580 | 1580 |
| Height | mm | 1571 | 1571 | 1800 | 1800 |
| Weight | kg | 1140 | 1140 | 2340 | 2340 |

## OPTIONS

- Towing eyes (DIN, ITA, NATO, BNA, ball coupling and loose ball coupling)
- Jockey wheel or leg support
- Road light system
- Wheel chocks
- Quality air equipment
  - Aftercooler
  - WSD
  - Bypass valve
- Special application equipment
  - Inlet shut down valve
  - Spark arrester
- Cold start
- Safety cartridge
- Metal filler neck
- Special colors upon request (depending on volume)

(1) Guaranteed according to ISO1217 ed. 3 1996 annex D.

# Creating customer value

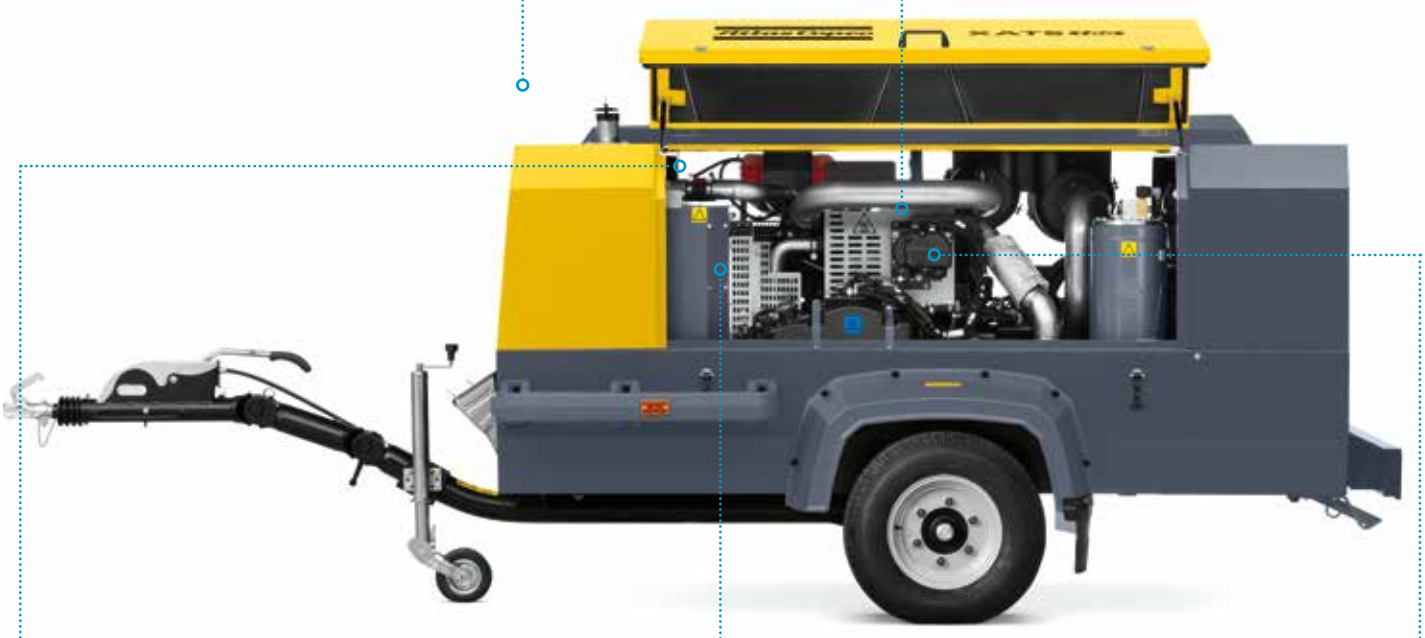
## STANDARD FEATURES

### Optimal Size

The range's perfectly balanced size is a result of innovative engineering. These machines are specifically designed so that they are easy to maneuver both on and off-site, even on rough terrain.

### Tough Performer

All our compressors are tested both in lab and field conditions to ensure optimal performance. This range is designed to withstand the toughest working conditions. It has a standard operating temperature range of -10°C to +50°C and a strong undercarriage. The canopy has been treated with extra corrosion protection, ensuring a longer lifetime and higher resale value.



### Simple Service

This range provides exceptional access to all the service and maintenance points. Also reducing maintenance and downtime of the machine, and at the same time significantly improving its availability and utilization.

### Strategic Engine Choice

Making it compliant with the latest emission regulations. Particulate matter is removed using the most efficient and reliable technologies such as the SCR exhaust system.

### Full Shift Fuel Autonomy

This range also features improved fuel autonomy. The compressors are specially designed to run a full shift without the need to refuel. Less fuel is consumed, which saves time and money, contributing to a low total cost of operations.

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# *Compactness Redefined*

The new XAHS 108 with hinged canopy and PACE technology.

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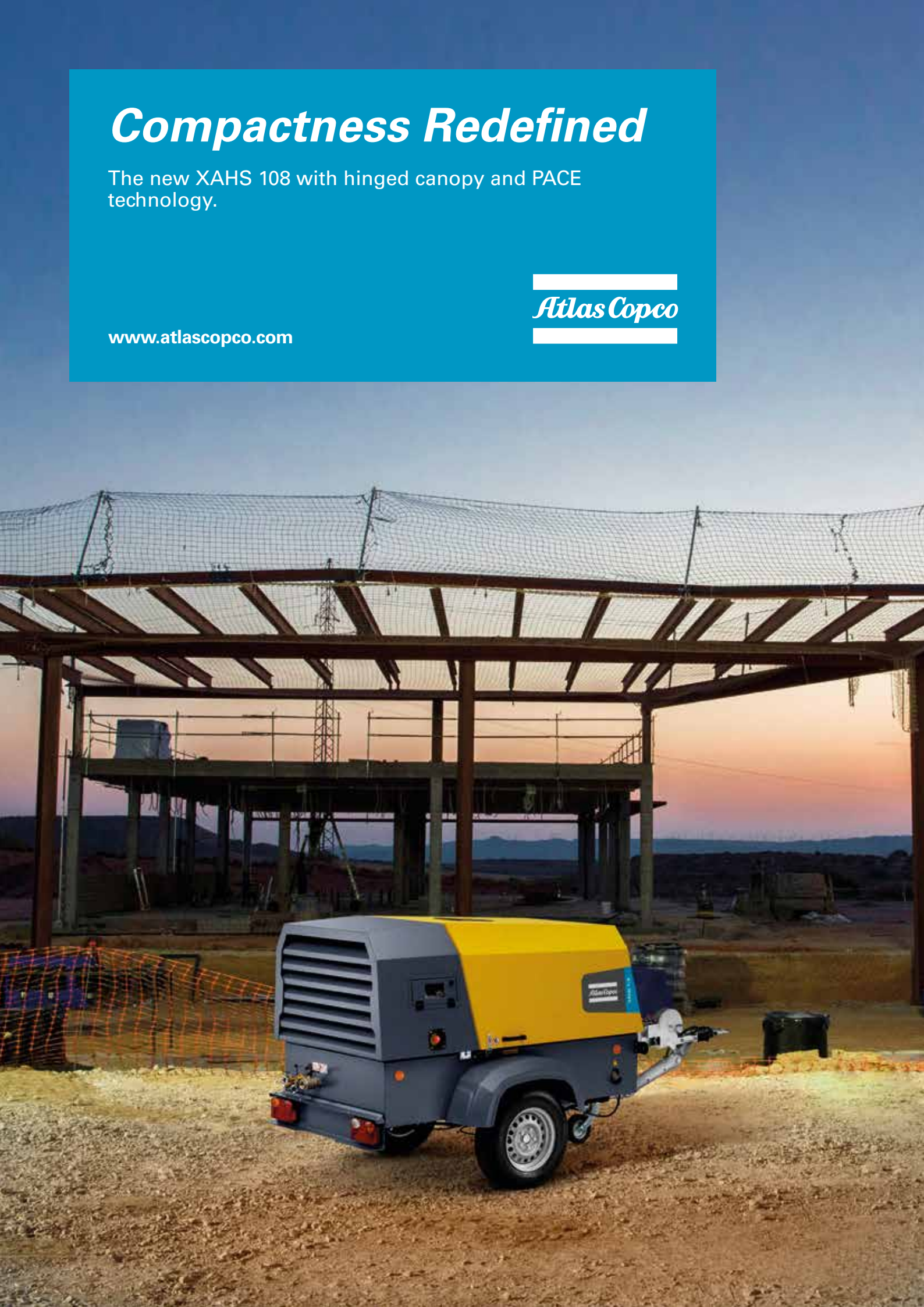

# Compressors
## Up to 12 m³/min

Specially designed for a wide range of applications, this range has it all. With a lot of options, these compressors are built to perform in any given condition or environment.

The range combines light weight with small dimensions, making it easy to maneuver on site. Together with its user friendly controller, these compressors are all about serving your needs.

## TECHNICAL DATA

| Performance | | XAHS 146 DD | XATS 156 DD | XAVS 166 DD | XAHS 186 DD | XAS 186 DD |
|---|---|---|---|---|---|---|
| Working pressure | bar (g) | 12 | 10,5 | 14 | 12 | 7 |
| | psi (g) | 175 | 152 | 204 | 175 | 102 |
| Max. free air delivery (1) | m³/min | 8,7 | 9,4 | 9,5 | 10,6 | 11,3 |
| | l/sec | 145 | 156 | 158 | 176 | 188 |
| | cfm | 307 | 331 | 335 | 373 | 398 |
| Max. ambient temperature | °C | 45 | 45 | 45 | 45 | 45 |
| Min. starting temperature / (cold start aid) | °C | -10/-20 | -10/-20 | -10/-20 | -10/-20 | -10/-20 |
| **Engine** | | | | | | |
| Model | | DEUTZ TCD3.6 L4 | DEUTZ TCD3.6 L4 | DEUTZ TCD4.1 L4 | DEUTZ TCD4.1 L4 | DEUTZ TCD3.6 L4 |
| Number of cylinders | | 4 | 4 | 4 | 4 | 4 |
| Output at rated speed | kW | 80 | 80 | 105 | 105 | 80 |
| Nominal speed | rpm | 2000 | 2030 | 2100 | 2100 | 2200 |
| Unload speed | rpm | 1700 | 1700 | 1700 | 1700 | 1700 |
| **Capacity** | | | | | | |
| Engine oil | l | 8 | 8 | 10 | 10 | 8 |
| Compressor oil | l | 23,5 | 23,5 | 23,5 | 23,5 | 23,5 |
| Capacity cooling system | l | 17 | 17 | 20 | 20 | 17 |
| Fuel tank capacity | l | 175 | 175 | 175 | 175 | 175 |
| **Noise level** | | | | | | |
| Sound pressure level (LpA) at 7m | dB(A) | 71 | 71 | 71 | 71 | 71 |
| **Dimensions and weight** | | | | | | |
| Length. inc fixed towbar | mm | 4356 | 4356 | 4356 | 4356 | 4356 |
| Width | mm | 1701 | 1701 | 1701 | 1701 | 1701 |
| Height | mm | 1774 | 1774 | 1774 | 1774 | 1774 |
| Weight | kg | 1900 | 1900 | 2000 | 2000 | 1900 |

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# Compressors
## Up to 23 m³/min

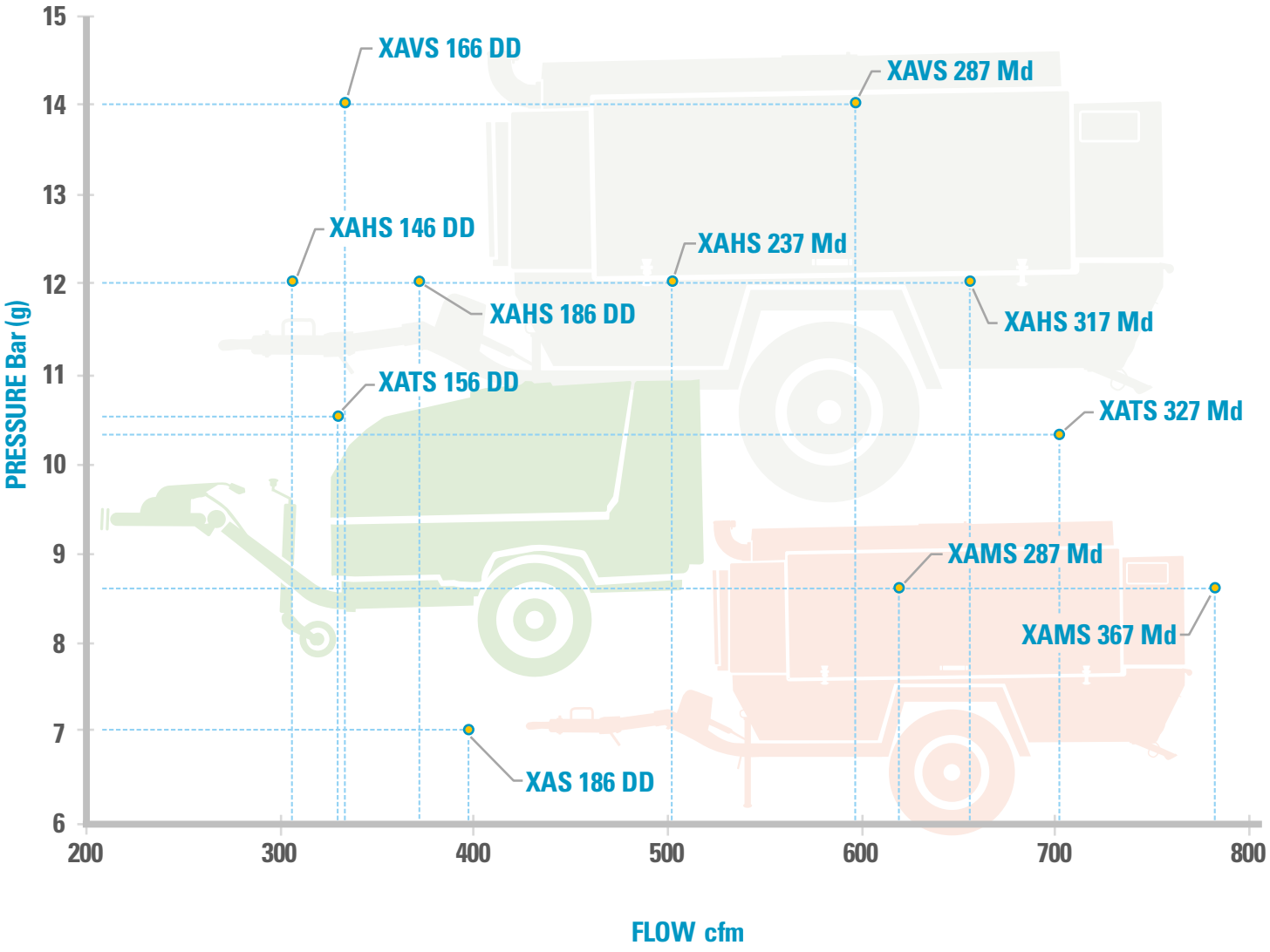
Compliant with the latest emission regulations, this range does not compromise on size, flow or pressure. With its **Stage IV MTU** engine, these models consume less fuel and are more efficient, resulting in higher productivity. Specifically developed to fit many applications, you'll get the best of small and large air compressors combined in one range.

## TECHNICAL DATA

| Performance | | XAHS 237 Md | XAVS 287 Md | XAMS 287 Md | XAHS 317 Md | XATS 327 Md | XAMS 367 Md |
|---|---|---|---|---|---|---|---|
| Working pressure | bar (g) | 12 | 14 | 8,6 | 12 | 10,3 | 8,6 |
| | psi (g) | 175 | 200 | 125 | 175 | 150 | 125 |
| Max. free air delivery (1) | m³/min | 14,3 | 16,9 | 17,6 | 18,6 | 19,9 | 22,2 |
| | l/sec | 238 | 282 | 292 | 310 | 332 | 370 |
| | cfm | 504 | 598 | 621 | 657 | 703 | 784 |
| Max. ambient temperature | °C | 45 | 45 | 45 | 45 | 45 | 45 |
| Min. starting temperature / (cold start aid) | °C | -10/-25 | -10/-25 | -10/-25 | -10/-25 | -10/-25 | -10/-25 |
| **Engine** | | | | | | | |
| Model | | MTU 4R1000 | MTU 4R1000 | MTU 4R1000 | MTU 4R1001 | MTU 4R1002 | MTU 4R1003 |
| Number of cylinders | | 4 | 4 | 4 | 4 | 4 | 4 |
| Output at rated speed | kW | 129 | 170 | 129 | 170 | 170 | 170 |
| Nominal speed | rpm | 2200 | 2200 | 2200 | 2200 | 2200 | 2200 |
| Unload speed | rpm | 1300 | 1300 | 1300 | 1300 | 1300 | 1300 |
| **Capacity** | | | | | | | |
| Engine oil | l | 48 | 48 | 48 | 48 | 48 | 48 |
| Compressor oil | l | 20,5 | 19,5 | 20,5 | 24 | 24 | 24 |
| Capacity cooling system | l | 69 | 69 | 69 | 69 | 69 | 69 |
| Fuel tank capacity | l | 280 | 280 | 280 | 280 | 280 | 280 |
| **Noise level** | | | | | | | |
| Sound pressure level (LpA) at 7m | dB(A) | 72 | 72 | 72 | 72 | 72 | 72 |
| **Dimensions and weight** | | | | | | | |
| Length. Inc fixed towbar | mm | 5488 | 5651 | 5488 | 5651 | 5651 | 5651 |
| Width | mm | 1987 | 1736 | 1987 | 1736 | 1736 | 1736 |
| Height | mm | 2024 | 2058 | 2024 | 2058 | 2058 | 2058 |
| Weight | kg | 3150 | 3500 | 3150 | 3500 | 3500 | 3500 |

(1) Guaranteed according to ISO1217 ed. 3 1996 annex D.

# Selection guide *(models without PACE)*




## KEY BENEFITS

- Most versatile range
- Easy to operate
- Lowest total cost of ownership
- Easy to maneuver & transport
- Low fuel consumption
- Easy servicability

## MAIN FEATURES

- Full range of options
- Ambient capabilities from -25°C up to +50°C
- Small dimensions & light weight
- Stage IIIB compliant engine
- Low noise output
- Robust design
- Full shift fuel tank
- User-friendly controller

## MAIN OPTIONS

- Cold start
- Quality air equipment (aftercooler & filters)
- Refinery equipment (inlet shut down valve & spark arrestor)
- Variety of undercarriage combinations

# *Service made simple*

A key feature of the Versatility range.

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# Portable Energy Solutions Portfolio

## AIR COMPRESSORS

### READY TO GO
- 1-5 m³/min
- 7-12 bar

### VERSATILITY
- 7-22 m³/min
- 7-20 bar

### PRODUCTIVITY PARTNER
- 19-64 m³/min
- 10-35 bar

Diesel and electric options available.

## GENERATORS

### PORTABLE
- 1,6-13,9 kVA

### MOBILE
- 9-1250* kVA

### INDUSTRIAL
- 10-1250* kVA

*Multiple configurations available to produce power for any size application.

## DEWATERING PUMPS

### ELECTRIC SUBMERSIBLE
- 275-16.500 l/min

### CENTRIFUGAL DIESEL DRIVEN
- 833-9833 l/min

### SMALL PORTABLE
- 210-2500 l/min

## LIGHT TOWERS

### LED

### METAL HALIDE

### SOLAR

Portfolio and options available can change depending on the market.

## Committed to sustainable productivity

Atlas Copco's Portable Energy division 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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