SKILLFULLY VERSATILE

XATS186
XAVS186

ANTWERP - BELGIUM

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers, towards the environment and the people around us.
We make performance stand the test of time.
This is what we call – Sustainable Productivity.

SKILLFULLY VERSATILE

2 NEW MODELS

XATS 186

Pressure
7 Barg → 10,7 Barg

Free Air Delivery
9,8 m³/min (at 10,7barg)
11,4 m³/min (at 7barg)

Engine
86 kW John Deere 4045HFC04

XAVS 186

Pressure
7 Barg → 14 Barg

Free Air Delivery
10,1 m³/min (at 14barg)
11,4 m³/min (at 7 barg)

Engine
104 kW John Deere 4045HFC04

LITTLE THINGS THAT MATTER MUCH

What's new in XATS 186 & XAVS 186

	XATS 156	XATS 186	XAVS 166	XAVS 186
Emission Regulation	Stage IIIB	Stage IV	Stage IIIB	Stage IV
Operating Pressure	10,3 Barg No PACE™ Technology	7 → 10,7 Barg PACE™ Technology	14 Barg No PACE™ Technology	7 → 14 Barg PACE™ Technology
Free Air Delivery	9,4 m³/min	11,4 > 10 m³/min	9,5 m³/min	11,4 > 10 m³/min
Engine	Deutz	John Deere	Deutz	John Deere
Corrosion Resistance	2 layer protection	3 layer protection	2 layer protection	3 layer protection

XAS 186 : 11,3 m³/min

XAHS 186 : 10,6 m³/min

SKILLFULLY VERSATILE

PACE™
Pressure Adjusted thru Cognitive Electronics

Versatility

Higher Utilization

Intuitive XC2003 Controller, **very simple and easy to operate**

Stage IV

John Deere Stage IV

Reliable & Low cost of operation

Corrosion Resistance

High resale value

Spillage free frame & Central drain

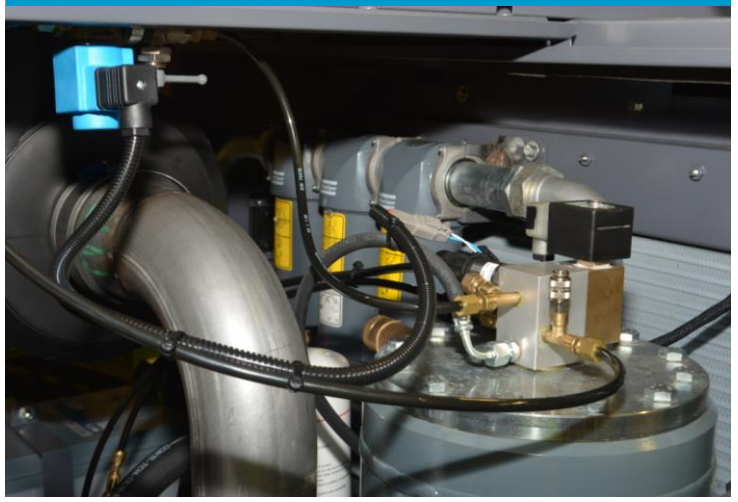
Higher Resale Value

PACE™ - WHAT'S DIFFERENT

Conventional Pressure Regulation System

- ✓ Manual Pressure Regulating Valve
- ✓ Single operating Pressure per regulating valve
- ✓ Adjusting the pressure(knowledge /exp)

PACE™ technology



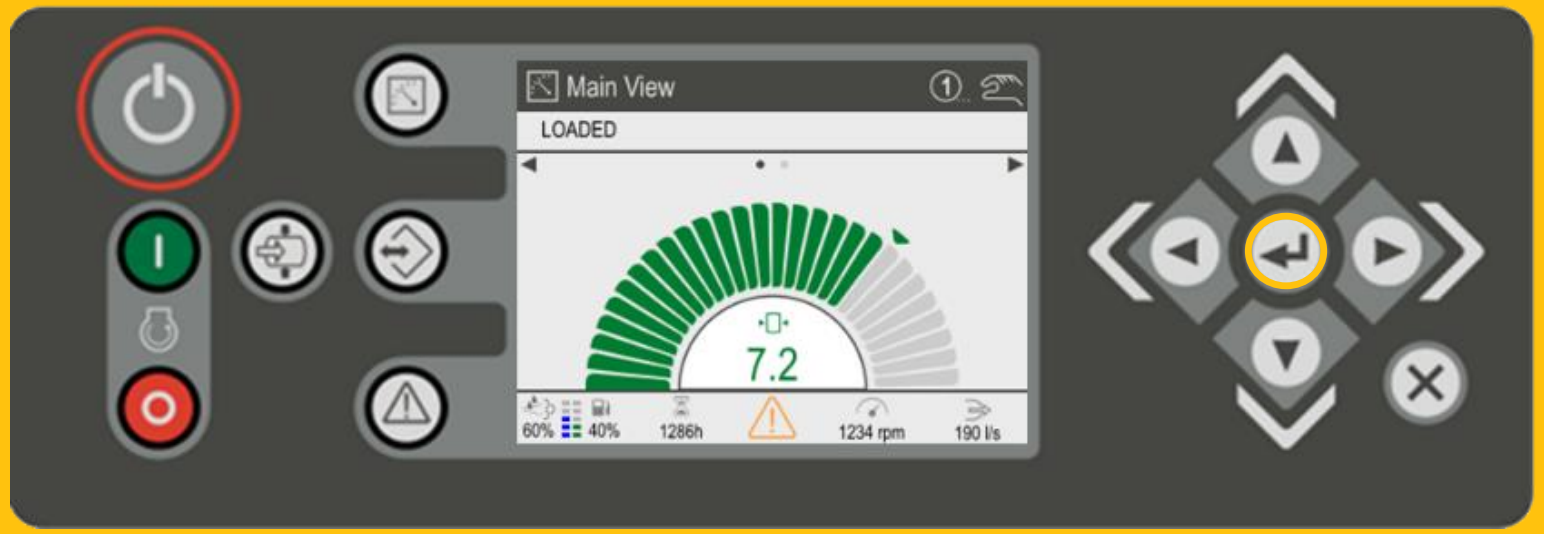
- ✓ Electronically controlled Pressure Regulating Valve
- ✓ Pressure set via intuitive XC2003 controller
- ✓ Any 2 setpoints between min and max operating pressure
- ✓ Power margin is safeguarded by matching engine speed with working pressure and flow

XC2003 Controller

- ✓ Easy to set up 2 set points
- ✓ Easy to switch between 2 preset pressure points
- ✓ Real time operating parameter display on main screen

PACE™ TECHNOLOGY

Xc2003 Controller

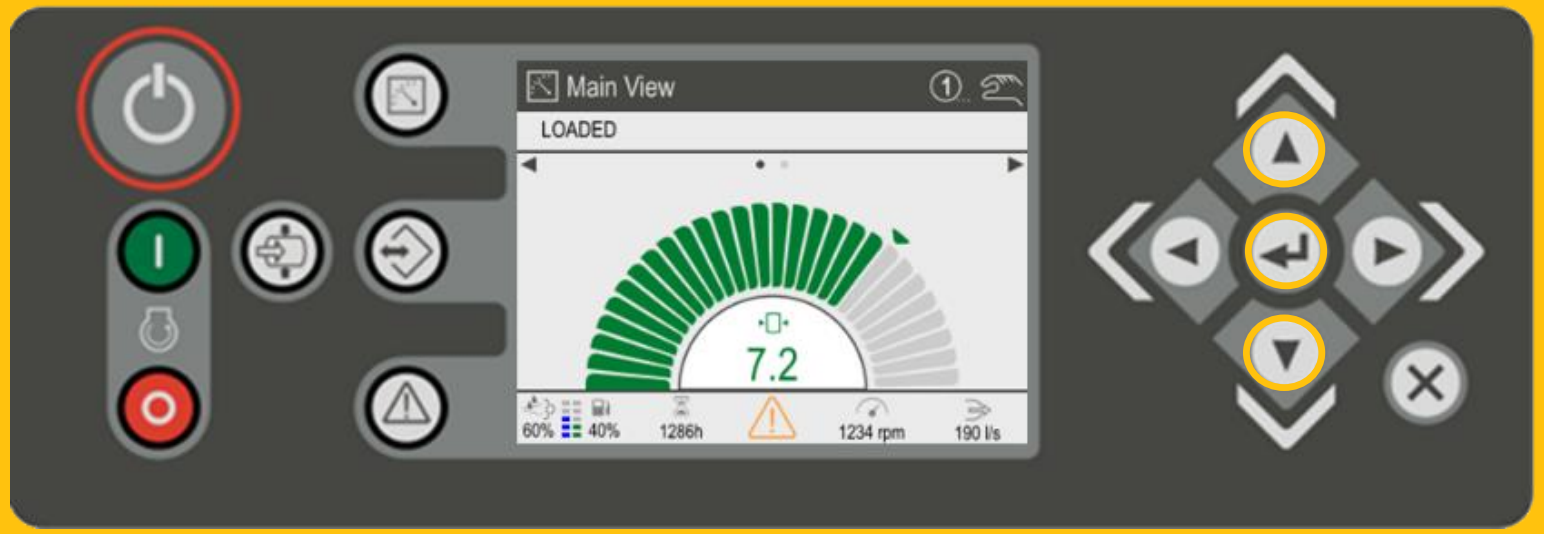


1

Press and hold the button for 2 sec to enter edit mode.

PACE™ TECHNOLOGY

Xc2003 Controller



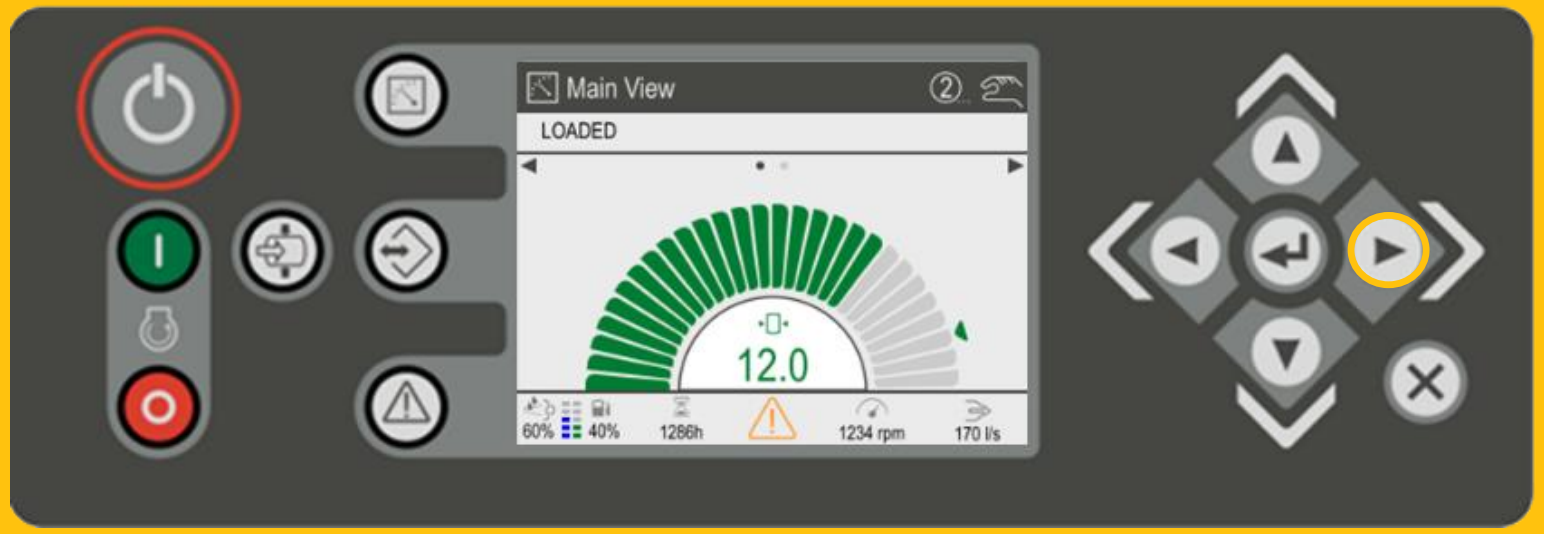
1 → 2

Press and hold the button for 2 sec to enter edit mode.

In edit mode Choose & button to set the pressure point 1 and press to register

PACE™ TECHNOLOGY

Xc2003 Controller



1 → 2 → 3

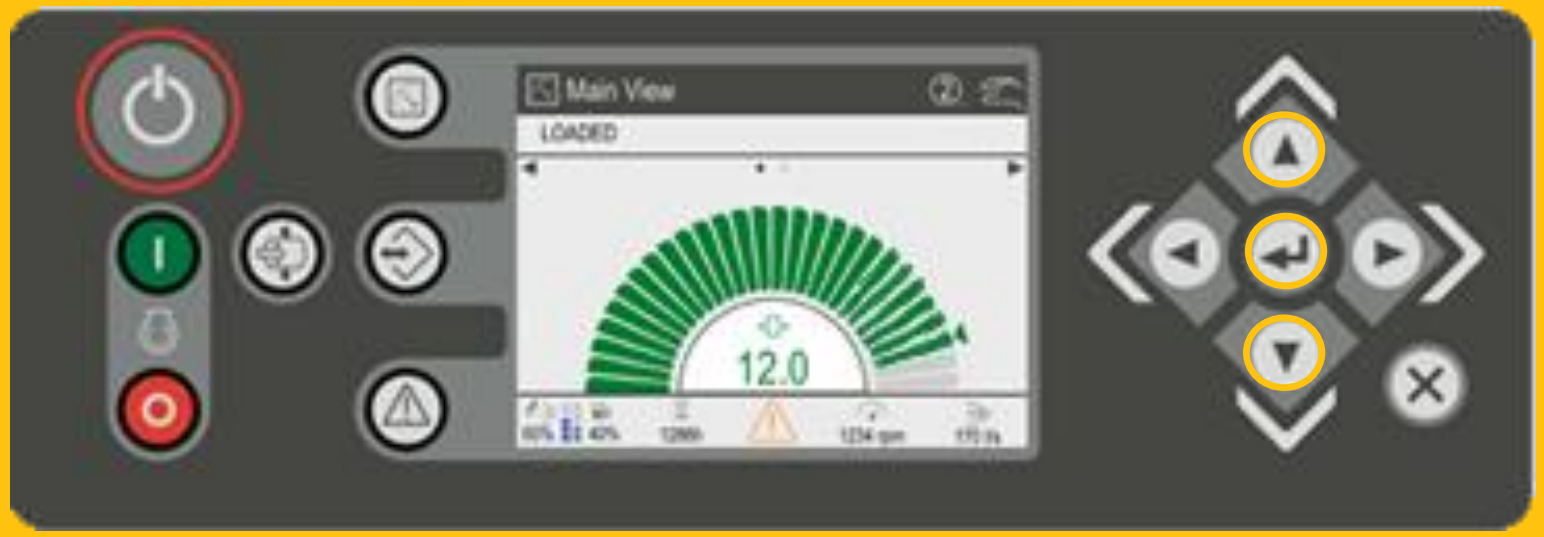
Press and hold the ↵ button for 2 sec to enter edit mode.

In edit mode Choose ▲ & ▼ button to set the pressure point 1 and press ↵ to register

In edit mode Press ◄ or ► button to select second pressure point

PACE™ TECHNOLOGY

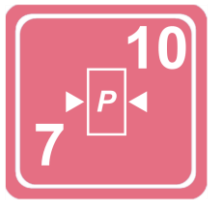
Xc2003 Controller



1. Press and hold the ↵ button for 2 sec to enter edit mode.
2. In edit mode Choose ▲ & ▼ button to set the pressure point 1 and press ↵ to register
3. In edit mode Press ◄ or ► button to select second pressure point
4. Choose ▲ & ▼ button to set the pressure point 1 and press ↵ to register

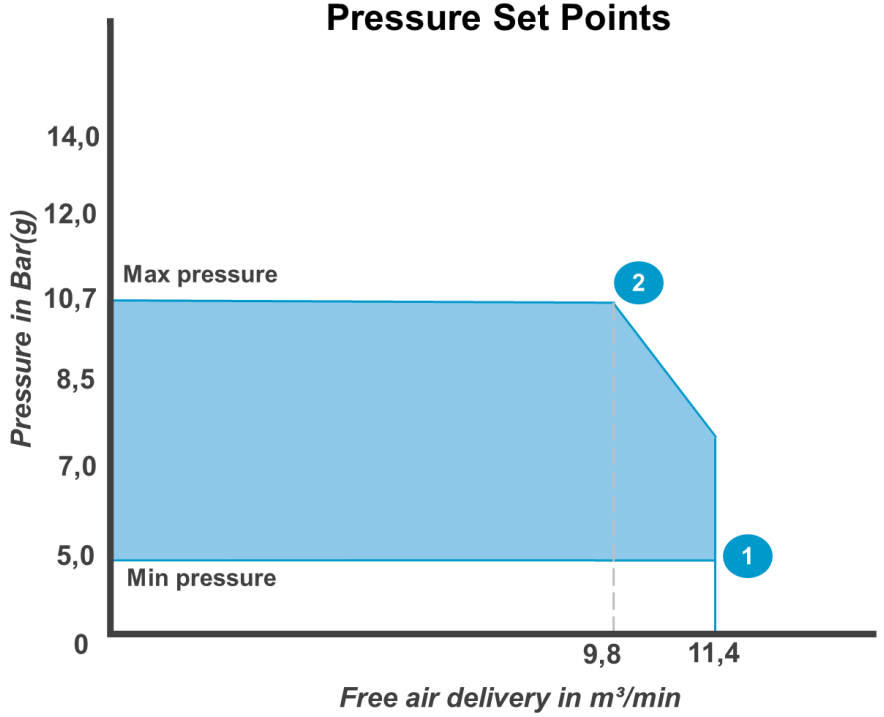
Toggle between 2 already set pressure points by simply clicking ◄ and ►

PACE™ TECHNOLOGY – DUAL WORKING PRESSURE

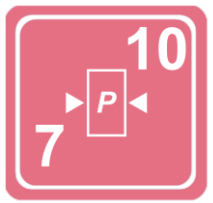


XATS 186 – PACE™ Technology

Pressure Set Points

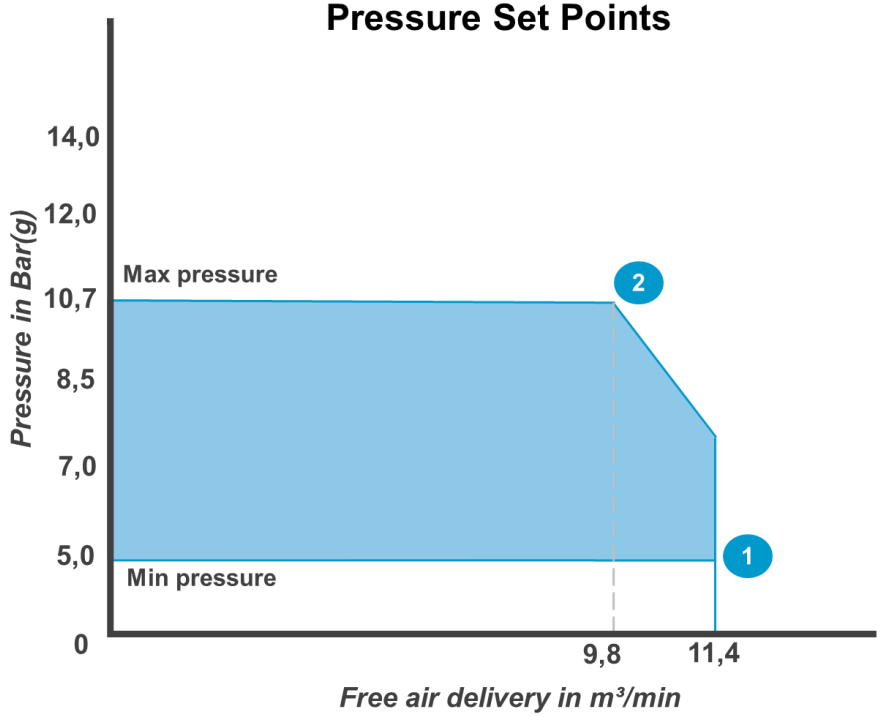


PACE™ TECHNOLOGY – DUAL WORKING PRESSURE



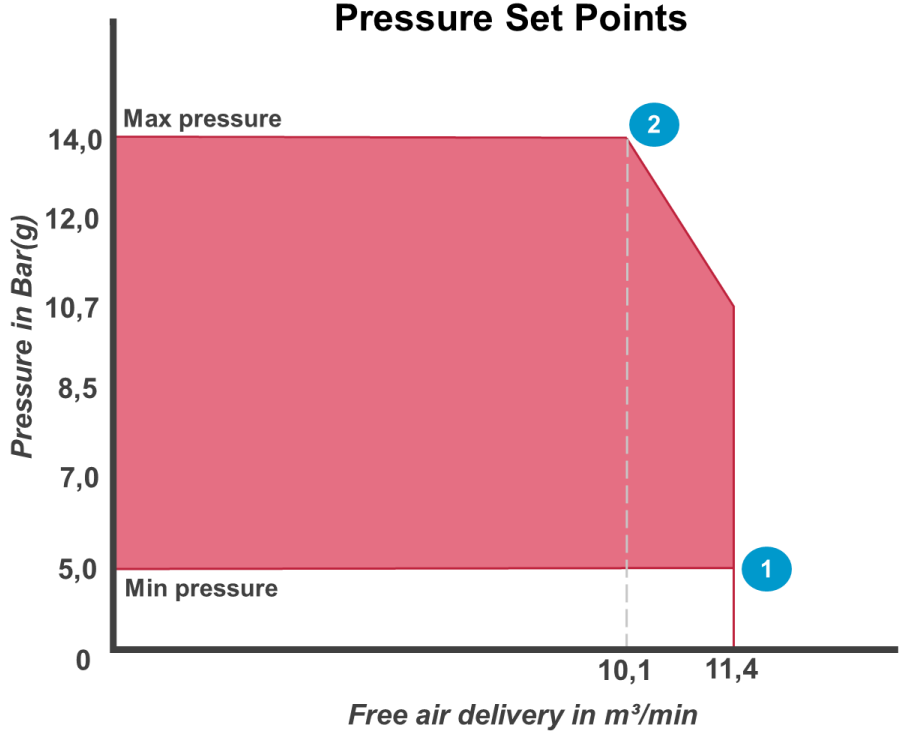
XATS 186 – PACE™ Technology

Pressure Set Points



XAVS 186 – PACE™ Technology

Pressure Set Points



Atlas Copco

OUR CUSTOMERS

Construction

Handheld Pneumatic Tools

Ground Engineering Drilling

Shot Crete Blasting

Mining

Dimensional Stone Quarry Drilling

Blast Hole Drilling

Utilities

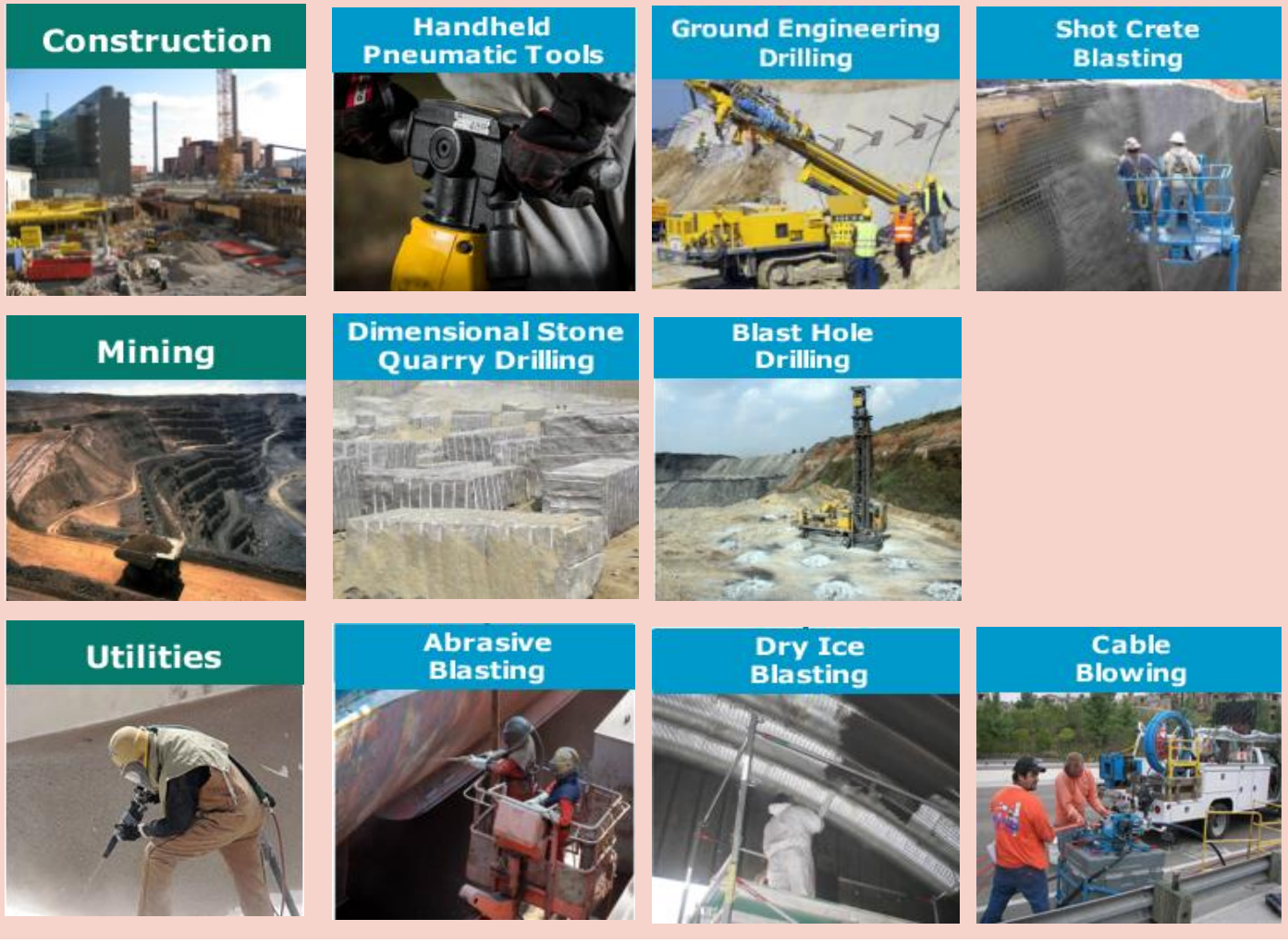
Abrasive Blasting

Dry Ice Blasting

Cable Blowing

Atlas Copco

BENEFITS TO OUR CUSTOMERS



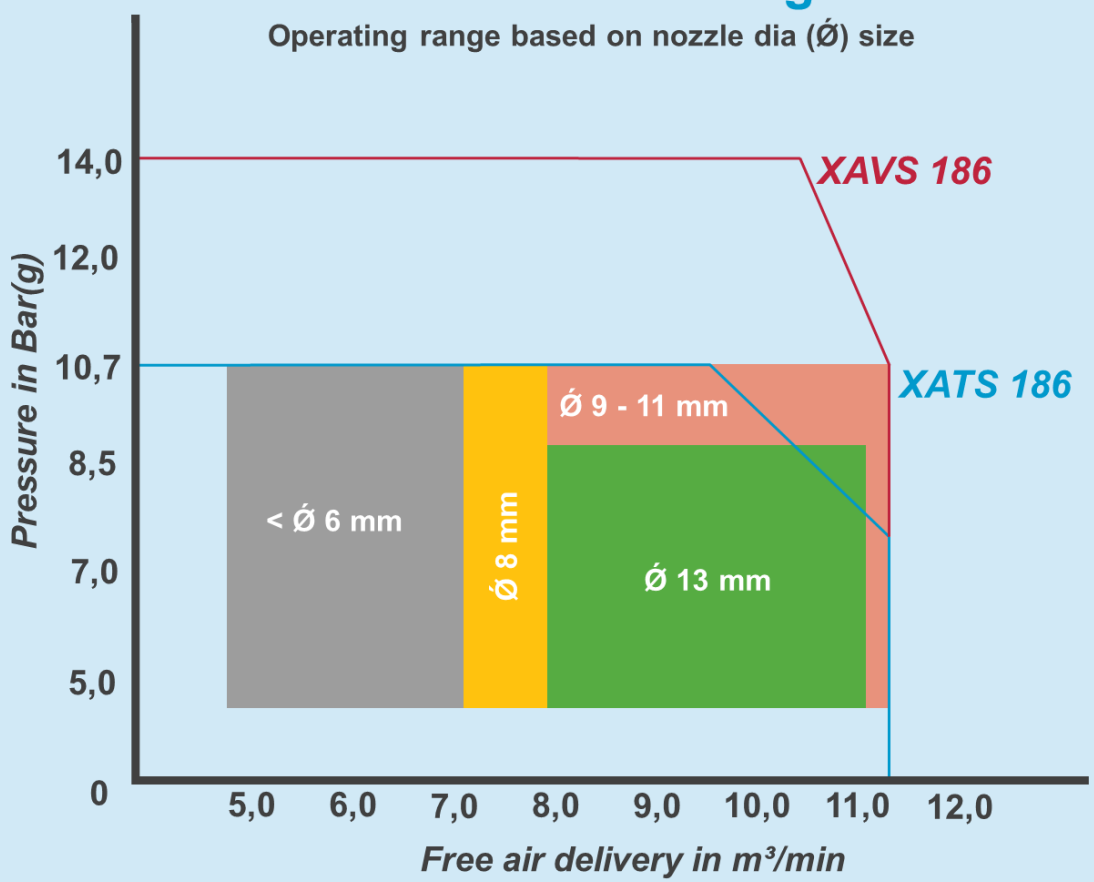
100% Utilization of the machine

Higher Productivity With a same machine

Low capital investment

Atlas Copco

ABRASIVE BLASTING

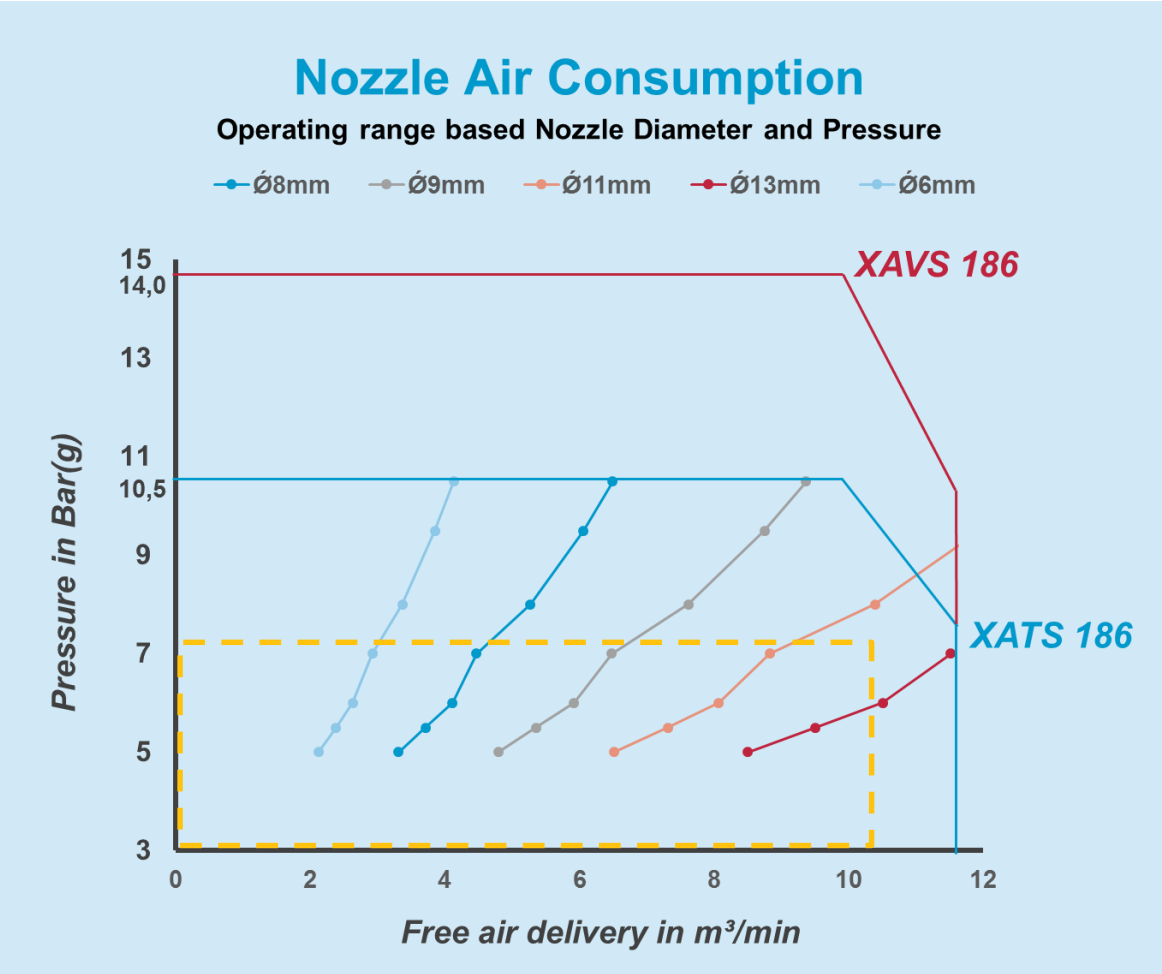


100% Utilization of the machine

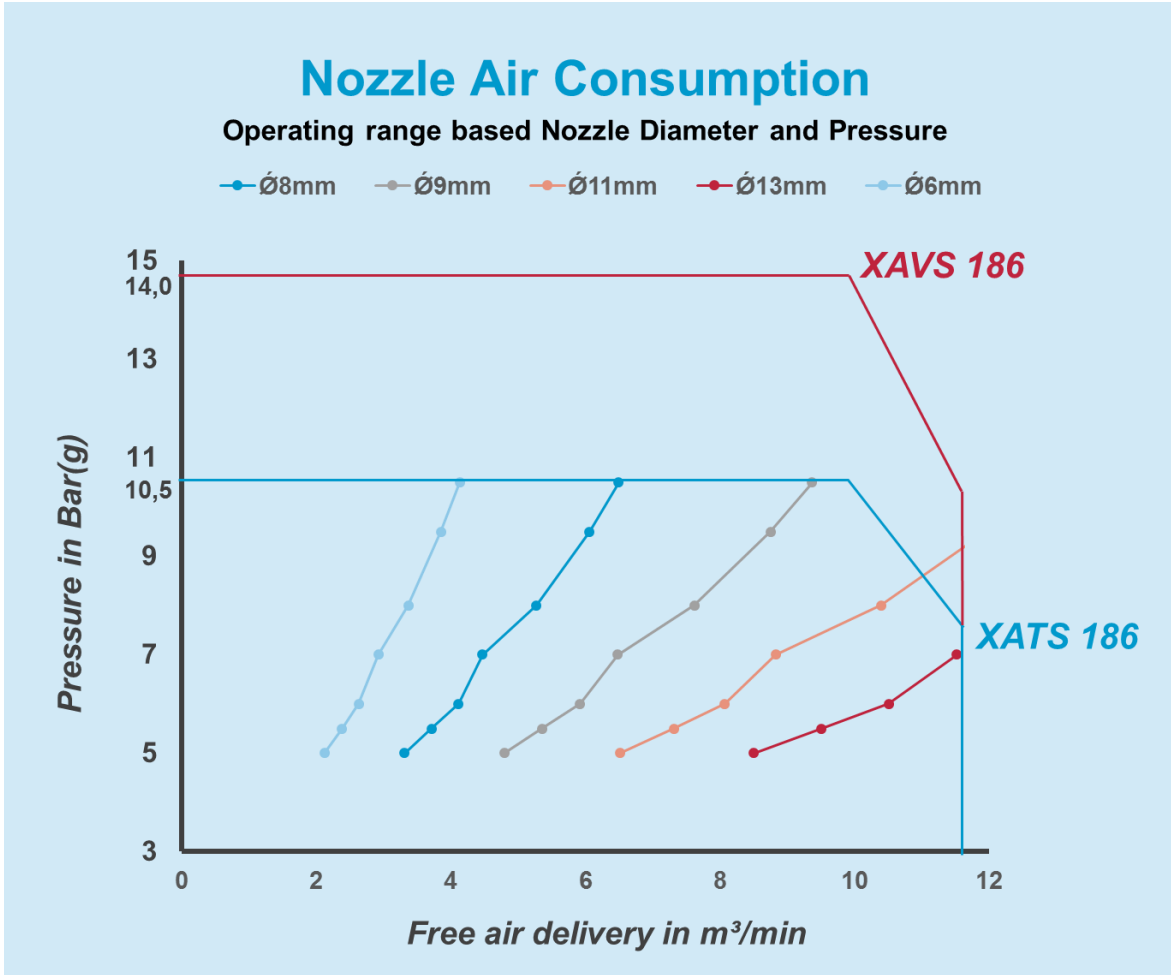
One machine does it all

Ø6mm to Ø13mm Nozzle Diameter

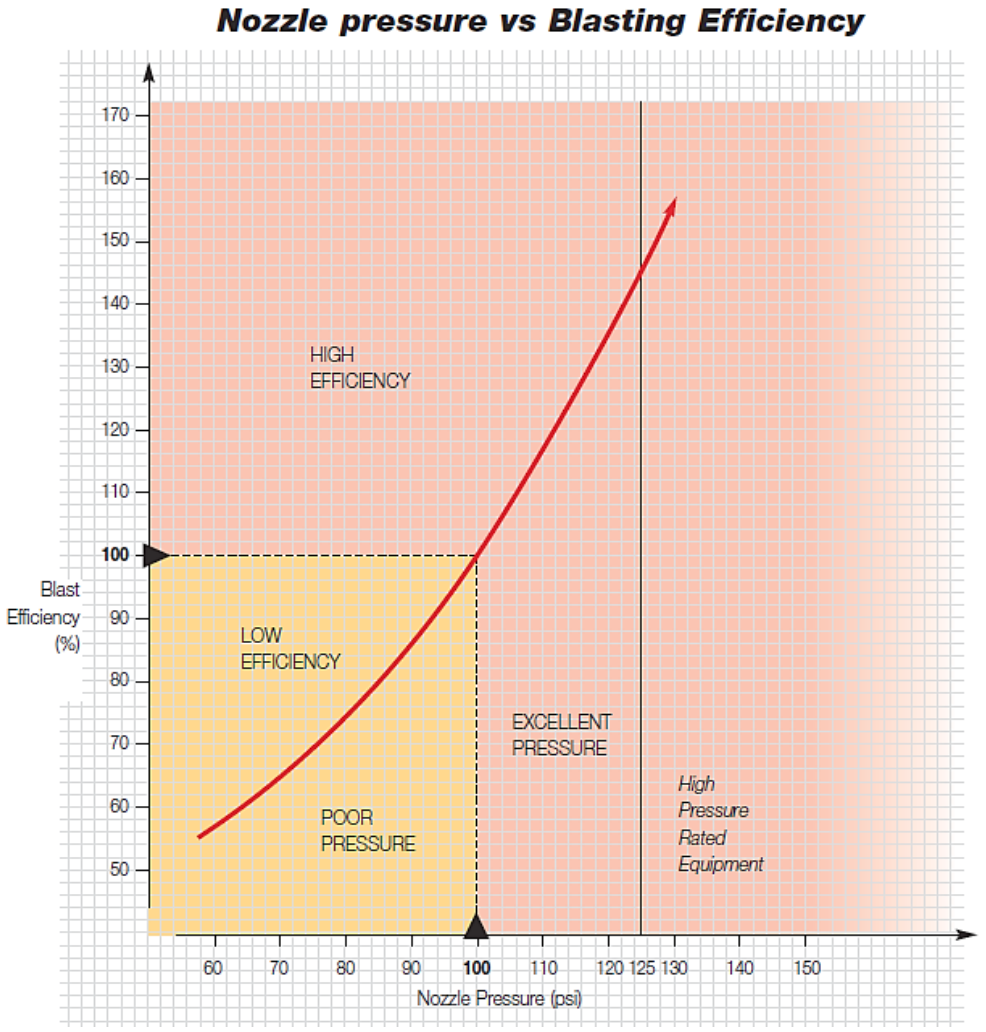
ABRASIVE BLASTING



ABRASIVE BLASTING

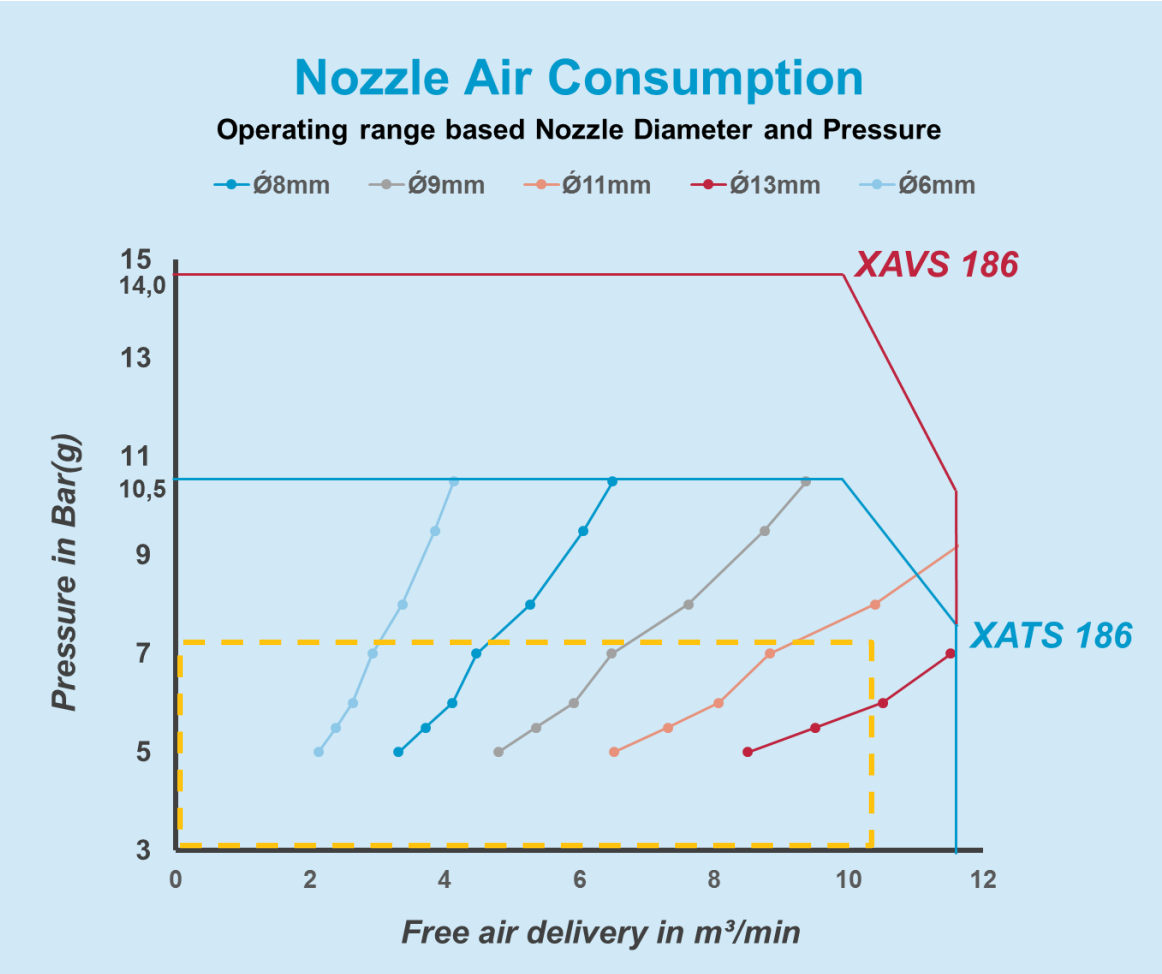


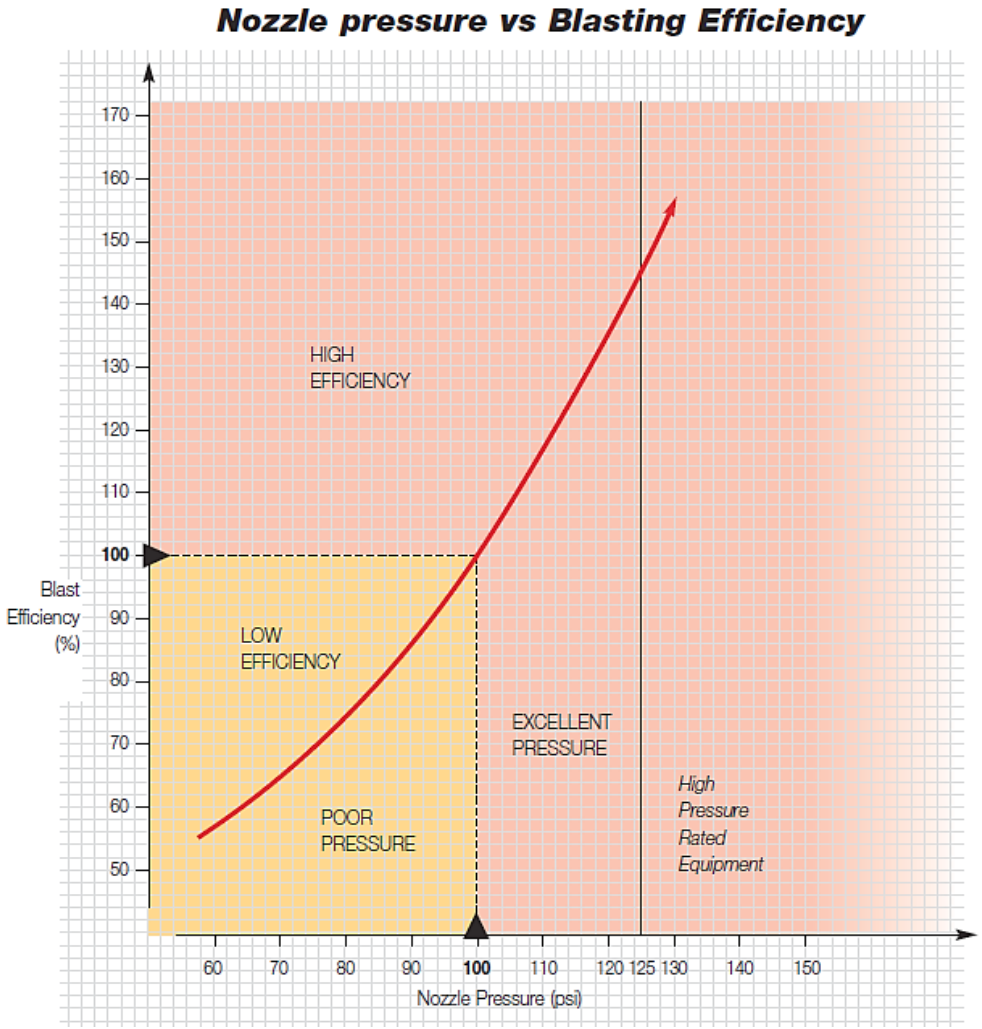
Productivity is blasting efficiency



ABRASIVE BLASTING

Productivity is blasting efficiency

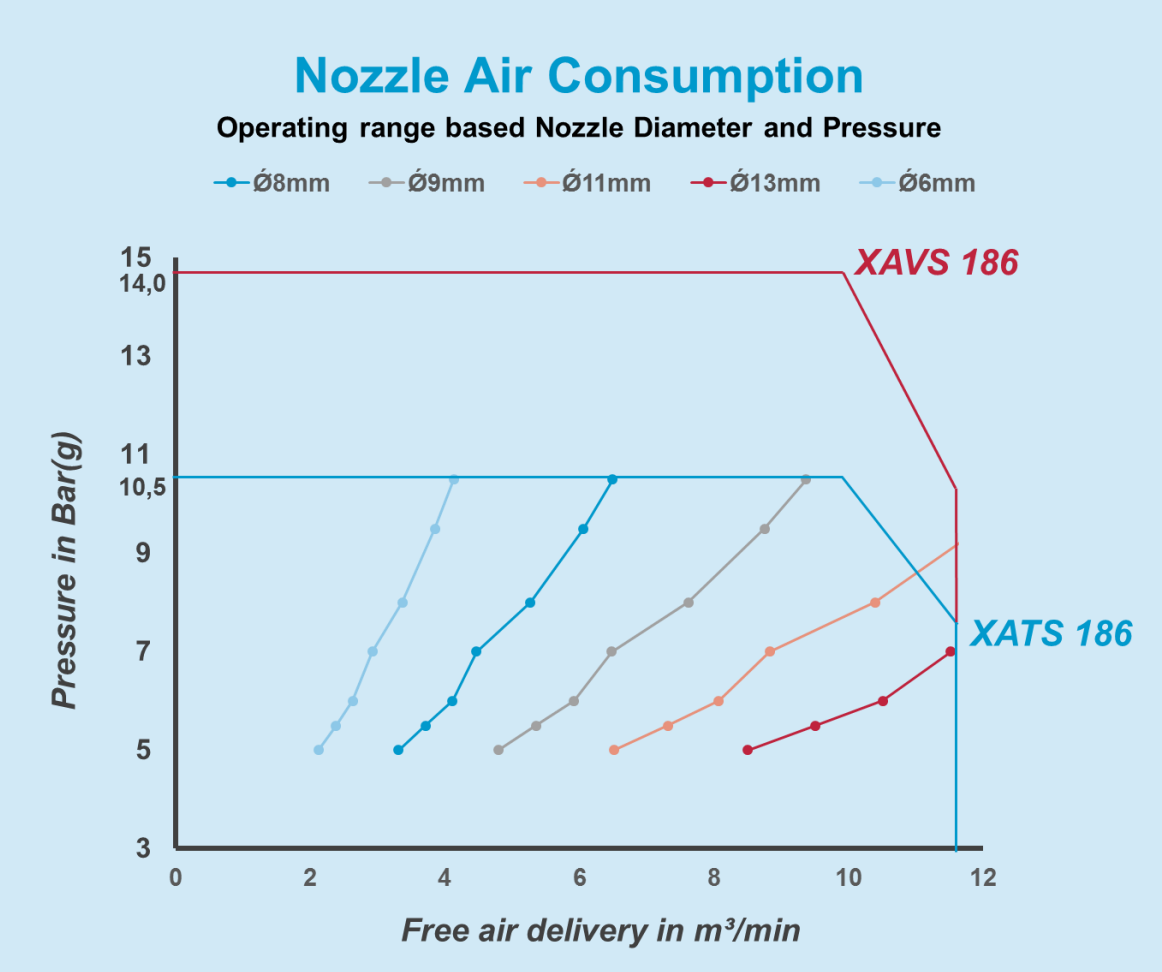




Blasting with XAS 186

Blasting with XATS 186

ABRASIVE BLASTING



Productivity is blasting efficiency

The Golden Rule of Thumb
Every 1 psi below 100 psi pressure at the nozzle equates to a 1.5% LOSS of blasting efficiency*

from	94 psi	to	100 psi	achieves*	9.4% increase
	90 psi		100 psi		16%
	80 psi		100 psi		35%
	70 psi		100 psi		57%

… it's quite amazing!!

Higher Productivity With a same machine

Atlas Copco

ABRASIVE BLASTING

Low capital investment

One machine does it all

EXISTING SOLUTUIONS

Machine #1

7 Barg
11,5 m³/min

Machine #2

8,5 Barg
10 m³/min

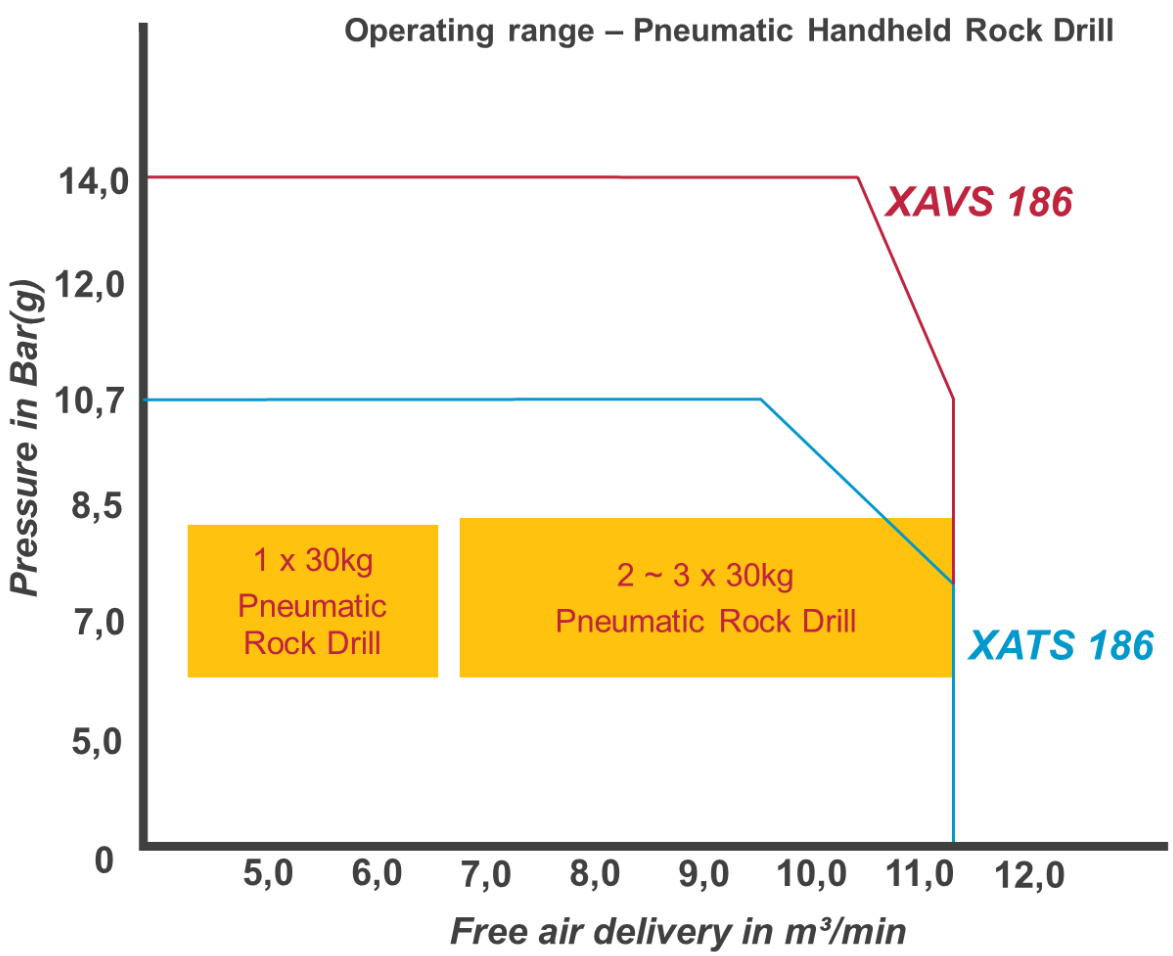
Machine #3

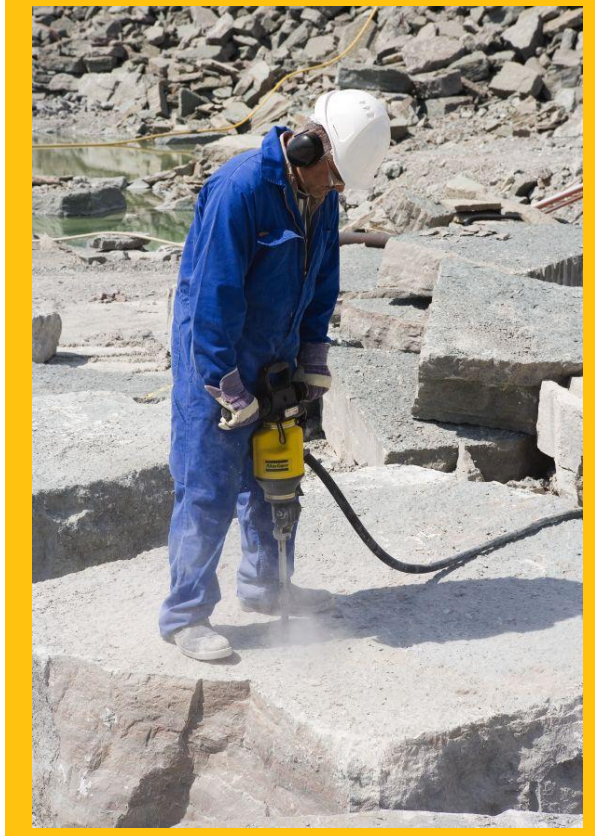
10,5 Barg
9 m³/min

SKILLFULLY VERSATILE ***XATS 186***

Atlas Copco

DRILLING IN QUARRY



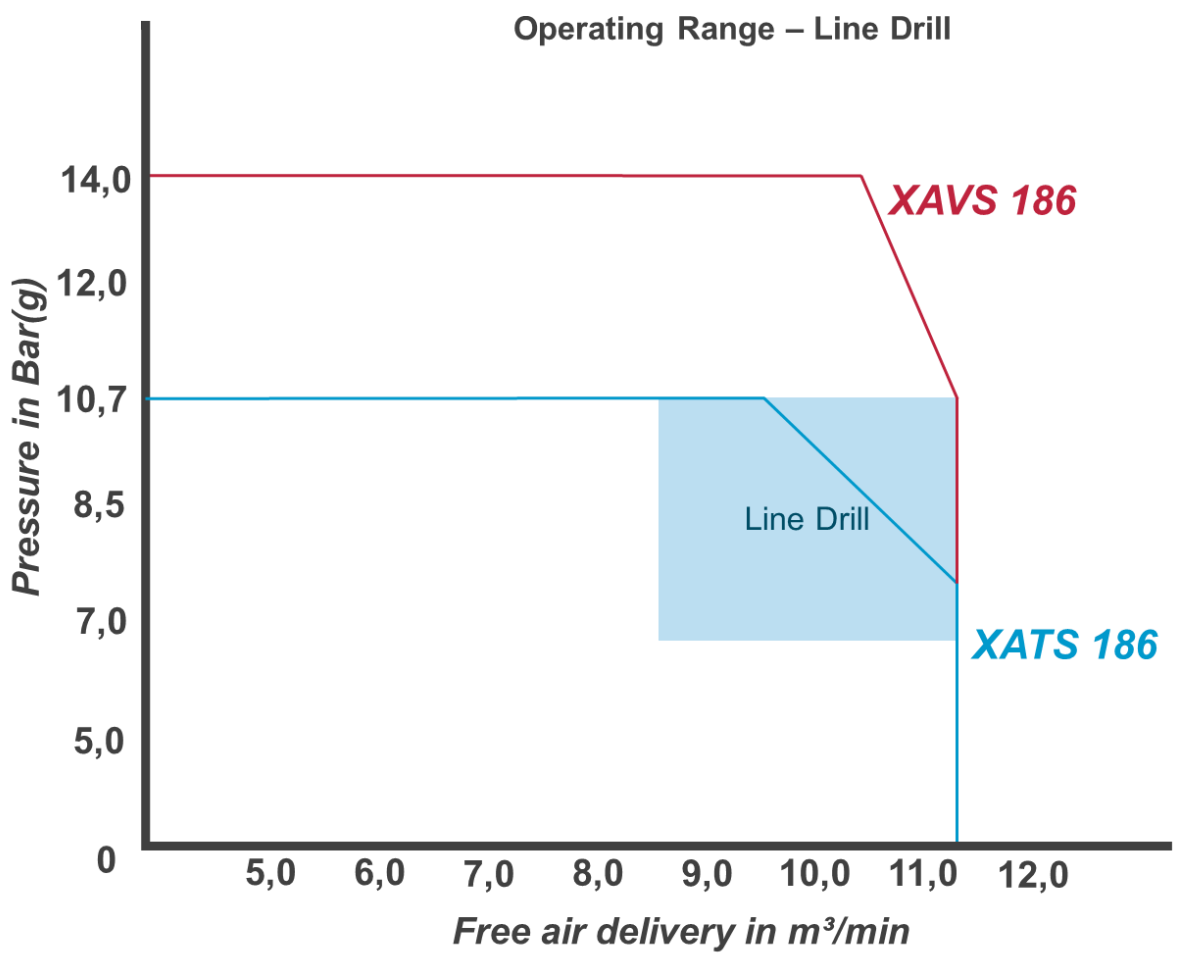


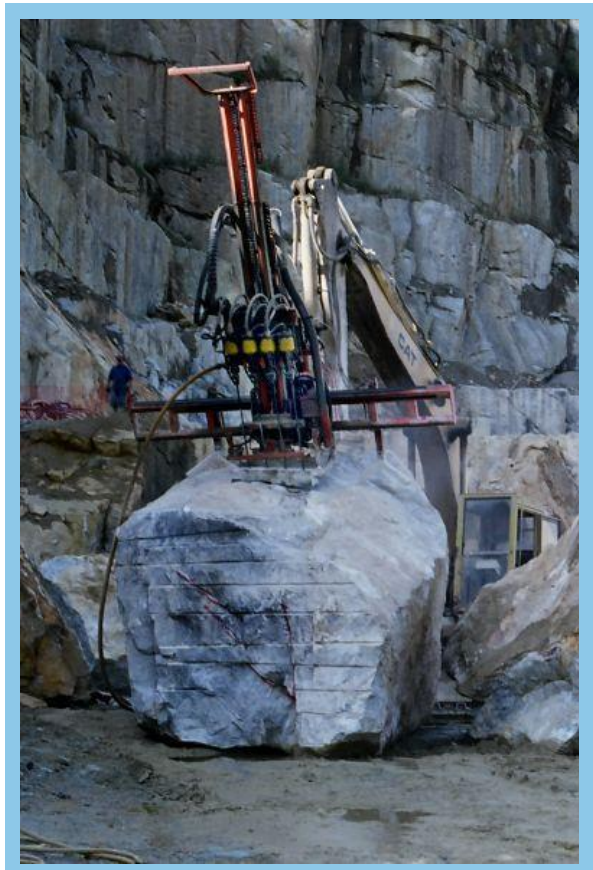
Handheld Pneumatic Rock Drill

< 25kg Rock Drills
Free Air Delivery
1,8 ~ 3,5 m³/min

>30kg Rock Drill
Free Air Delivery
3,6 ~ 4,6 m³/min

DRILLING IN QUARRY





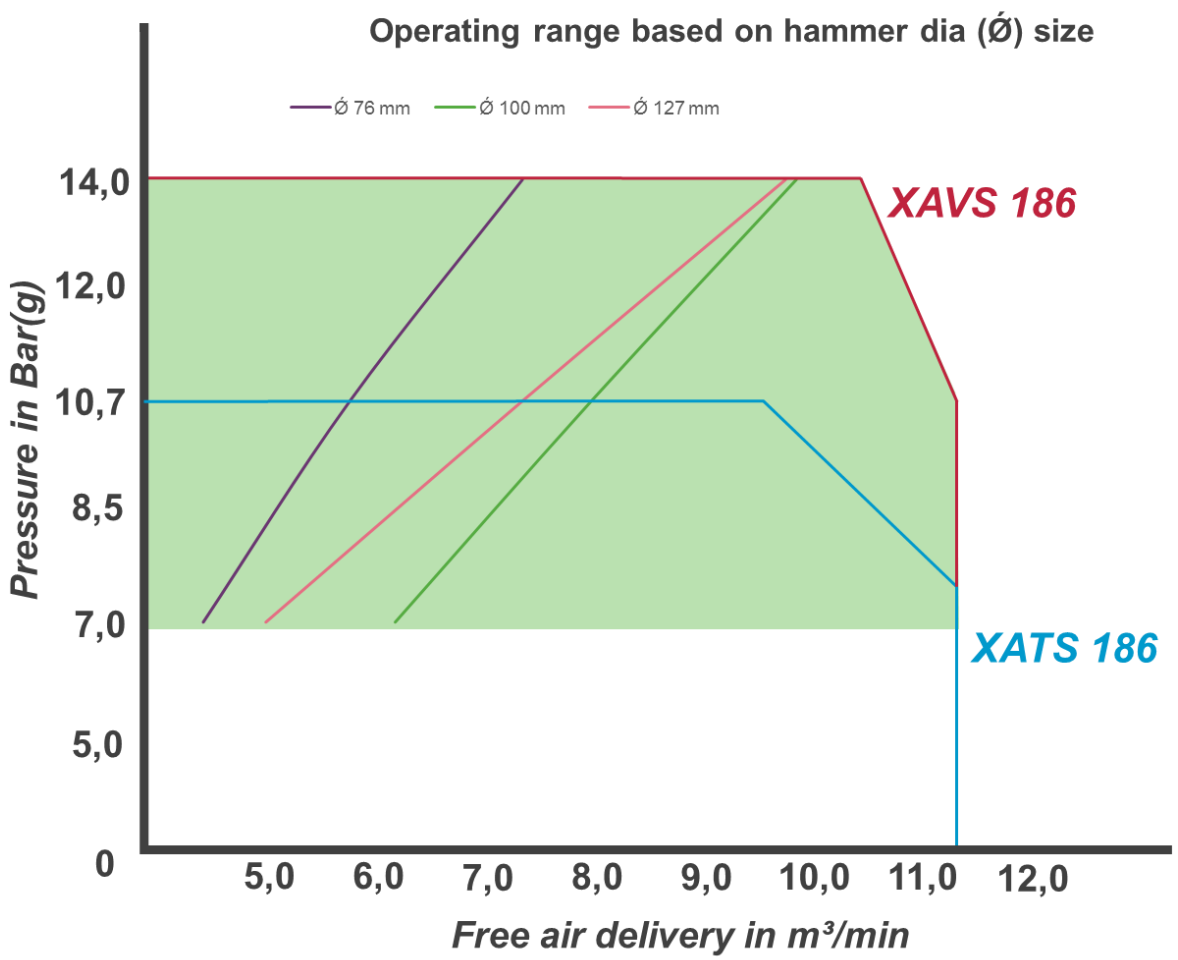
Pneumatic Line Drill

Hole Dia: 20 – 40mm
Depth: 3 meters
Free Air Delivery
4 ~ 5 m³/min

Hole dia: 22 – 40mm
Depth: 4 meters
Free Air Delivery
9 ~ 11 m³/min

Atlas Copco

DRILLING IN QUARRY



Crawler Drill Rig

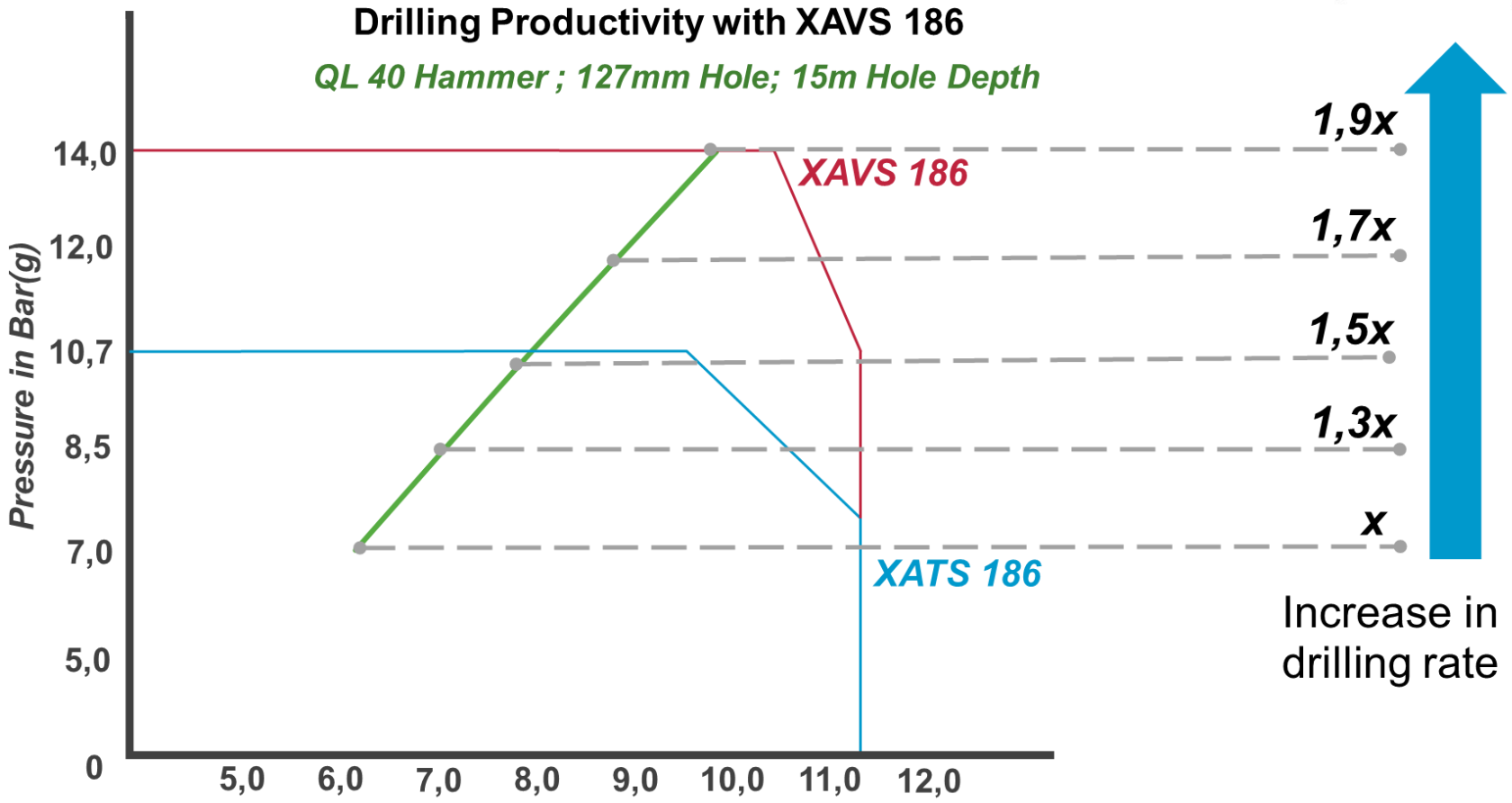
Top Hammer:
Hole Dia: 48 – 76mm
Depth:15 meters

DTH:
Hole Dia: 48 – 127mm
Depth: 30 meters

Top Hammer
FAD: 10 ~ 11 m³/min
DTH: < QL 40 hammer

Atlas Copco

DRILLING IN QUARRY



Higher Productivity

With a same machine

BENEFITS TO OUR CUSTOMERS

100% Utilization of the machine

Higher Productivity With a same machine

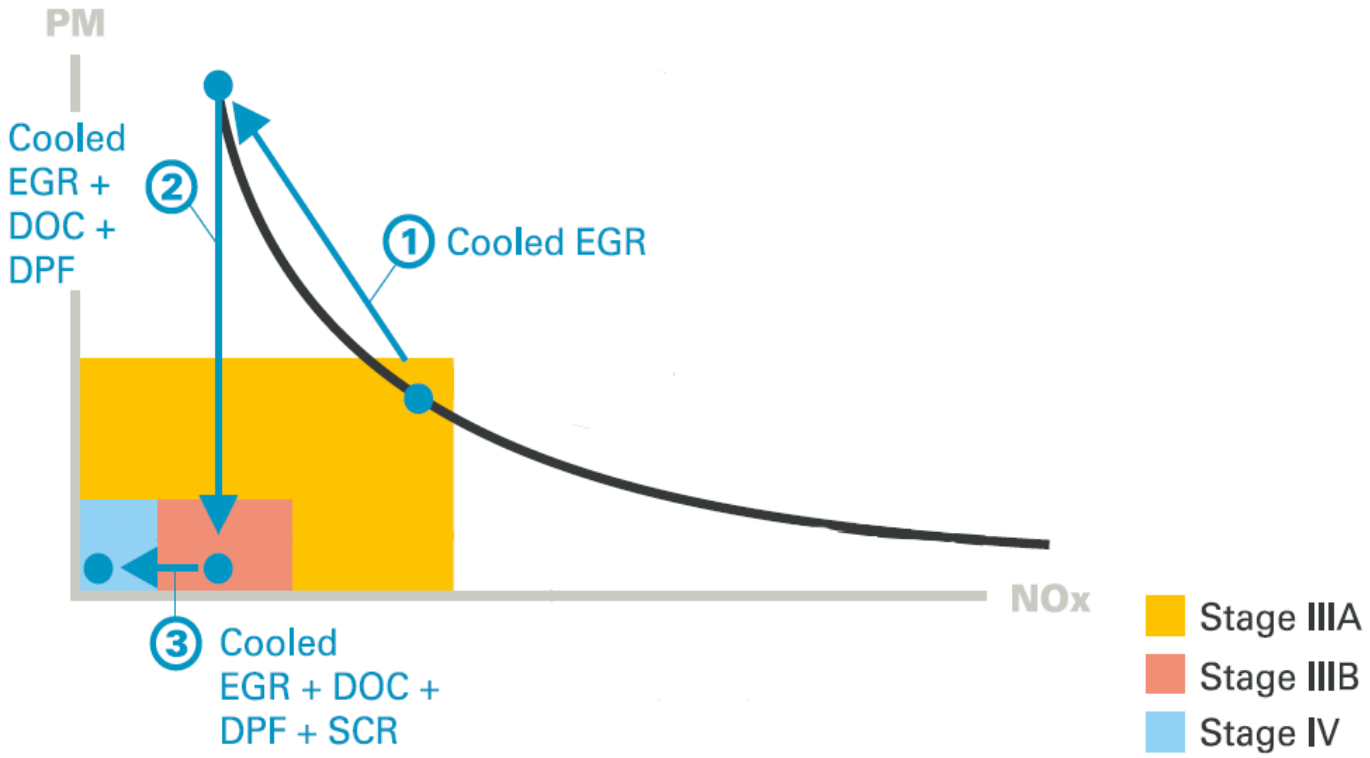
Low capital investment

SKILLFULLY VERSATILE ***XAVS 186***

Atlas Copco

STAGE IIIB TO STAGE IV TECHNOLOGY

There are 2 common method to reach stage IV compliance, we chose ***the second method***



METHOD 1:
(blue line in the graph)

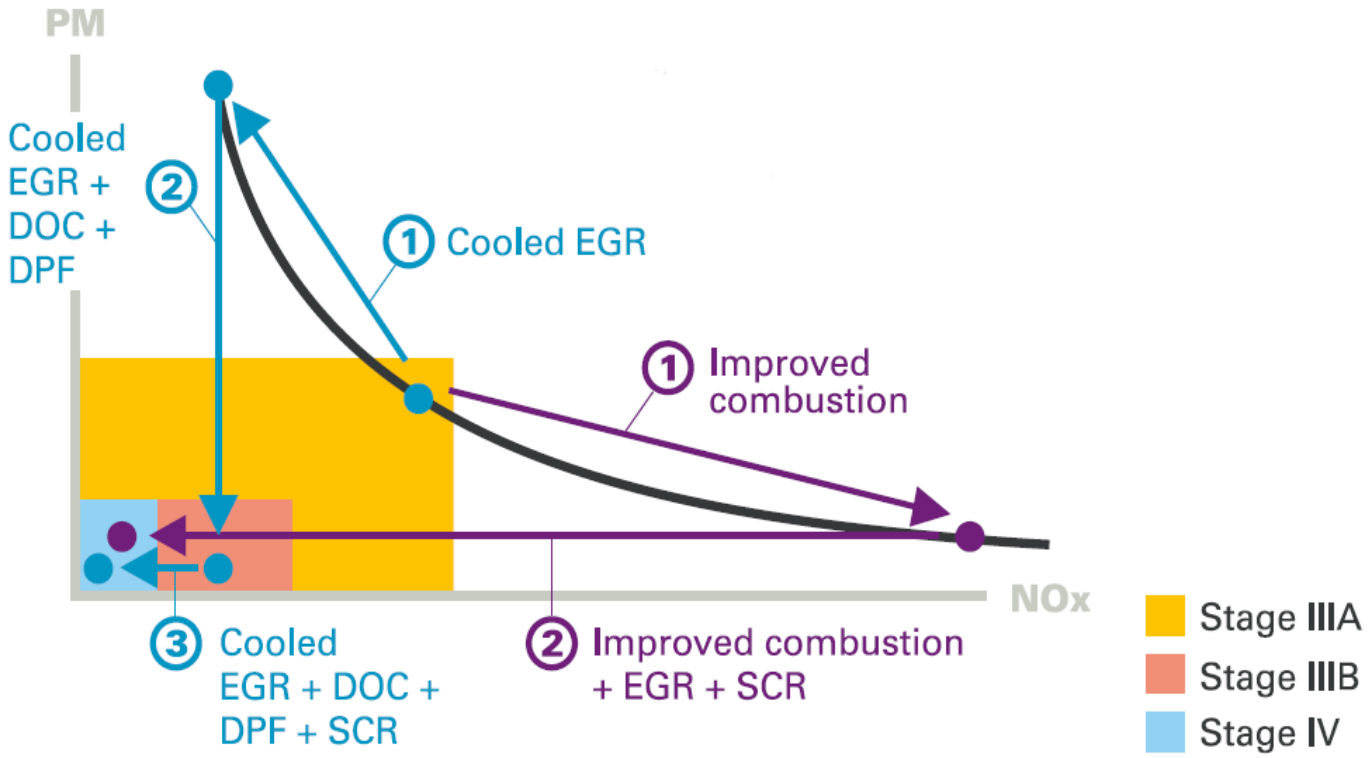
Lower combustion temperature and filters

This technology requires cooled EGR, A Diesel Oxidation Catalyst (DOC) & Diesel Particulate Filter (DPF) and SCR.

Cooled EGR lowers the peak combustion temperature so NO_x is not formed. The PM is then filtered out with a DPF. DEF is added to convert the remaining NO_x into harmless nitrogen.

STAGE IIIB TO STAGE IV TECHNOLOGY

There are 2 common method to reach stage IV compliance



METHOD 2:
(purple line in the graph)

Improved combustion and catalytic reduction

This solution implies a higher injection pressure, cooled EGR and SCR.

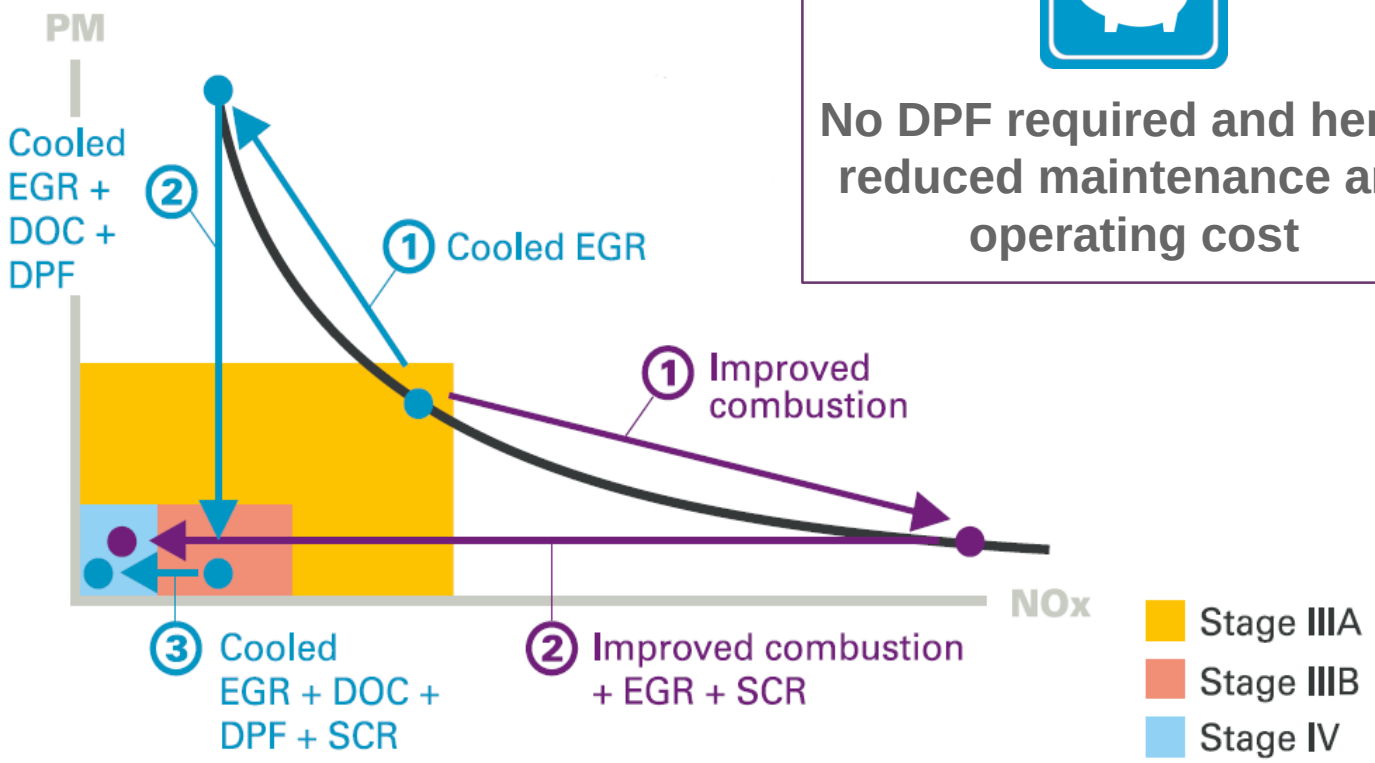
It works by optimizing combustion to reduce the creation of PM.

DEF (Ad Blue) is added to convert the NO_x into harmless nitrogen.

STAGE IIIB TO STAGE IV TECHNOLOGY

There are 2 common method to reach stage IV compliance

we chose ***the second method***



Benefit to customer

No DPF required and hence reduced maintenance and operating cost

METHOD 2:
(purple line in the graph)

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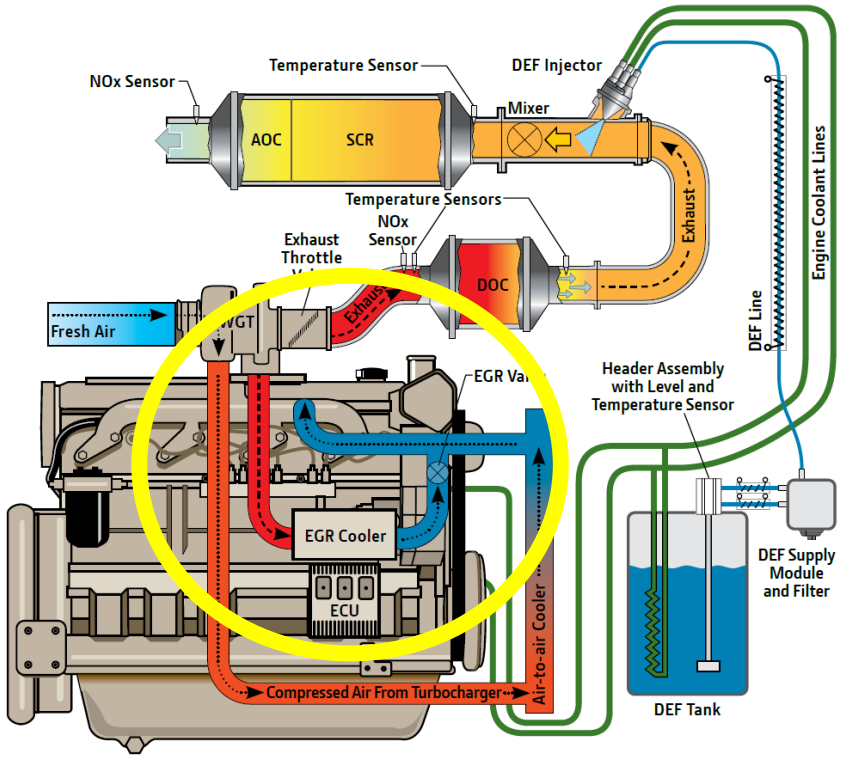
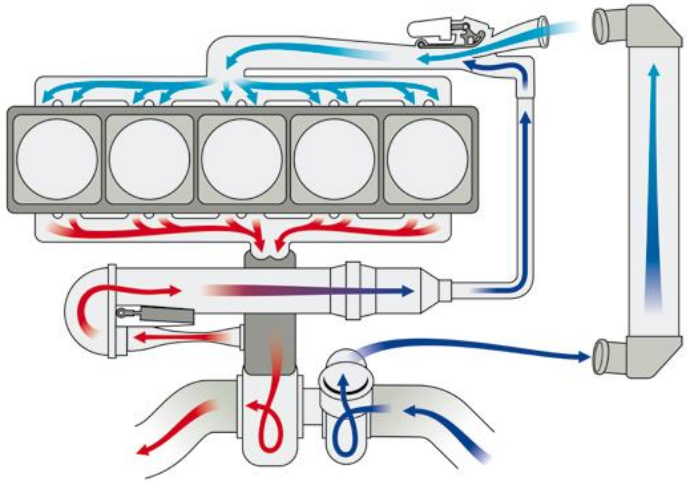
STAGE IV TECHNOLOGY

Improved combustion and catalytic reduction

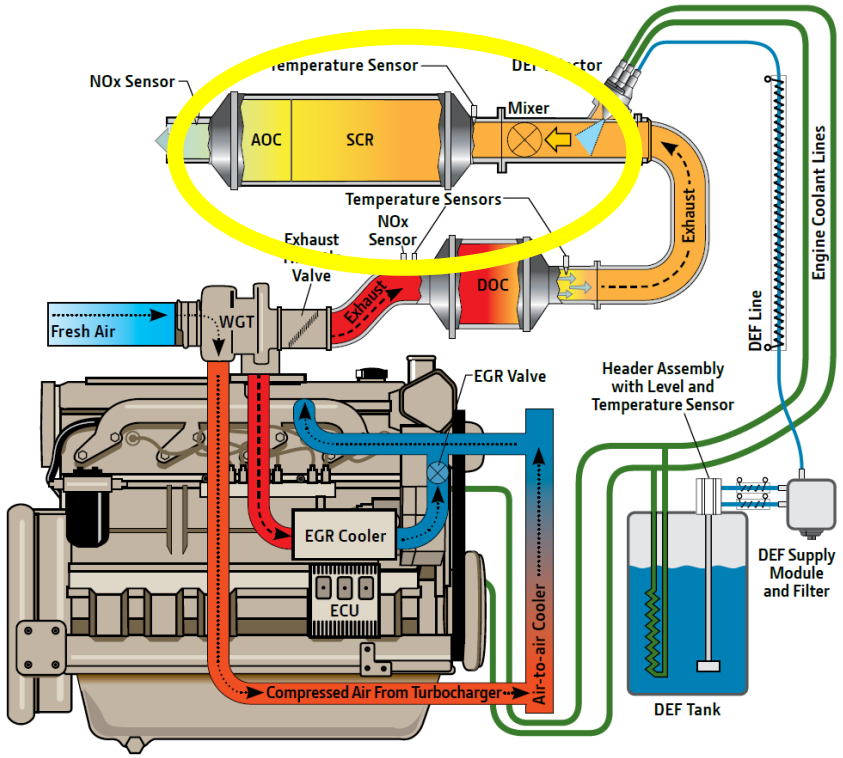


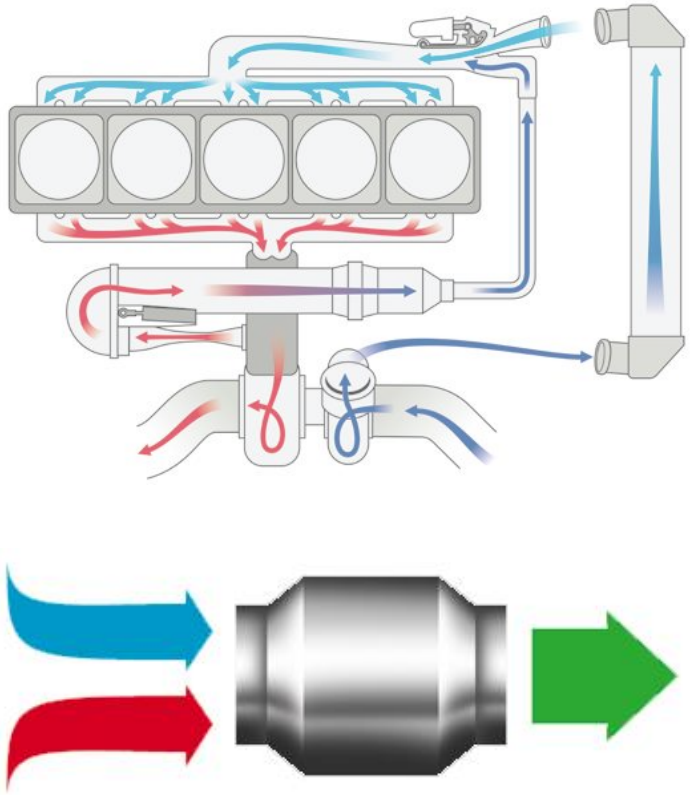


Cooled Exhaust Gas Recirculation EGR, unlike non-cooled EGR, allows the introduction of a greater mass of recirculated exhaust gas. This lowers peak combustion temperature, generating less NO_x.

STAGE IV TECHNOLOGY

Improved combustion and catalytic reduction





Cooled Exhaust Gas Recirculation EGR, unlike non-cooled EGR, allows the introduction of a greater mass of recirculated exhaust gas. This lowers peak combustion temperature, generating less NO_x.

In the Selective Catalytic Reduction (SCR) process, a catalyst is used to chemically reduce NOx to nitrogen and water vapor.

DEF (Ad Blue) is injected into the catalyst where it reacts with the water vapor to form ammonia. The ammonia causes the harmful NOx to convert into harmless nitrogen and water vapor.

This technology requires a dedicated DEF (Ad Blue) tank.

JOHN DEERE ENGINE

stage V

1
Dedicated Service Contact for Atlas Copco per customer center

1543
Service Centers in EU

9000
Technicians on field

240000
Parts in stock

Low Cost of Operation

Low Adblue consumption of ***2 – 3% of fuel***

Ease of service service points located on one side (oil level check; filters)

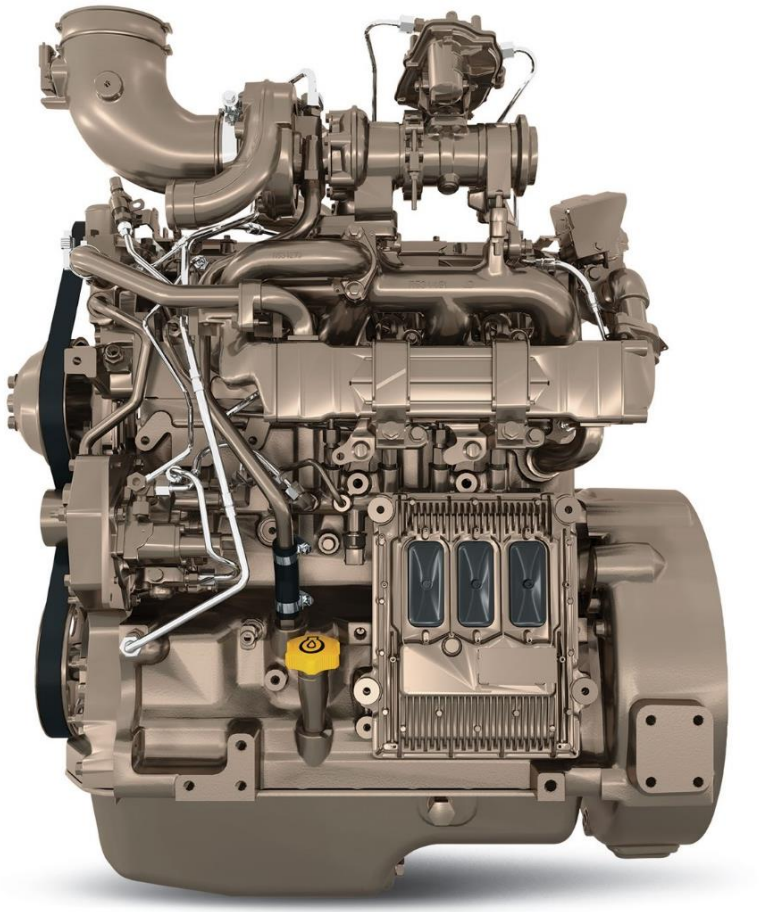
4500 hours or **3 years**
DEF filter Change

Atlas Copco

JOHN DEERE ENGINE

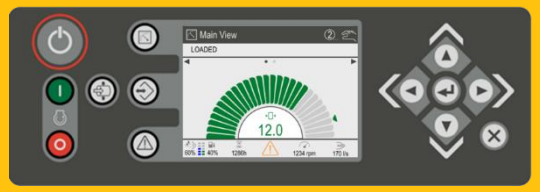
Low Cost of Operation

100% Higher Utilization



PACE™

Pressure Adjusted thru Cognitive Electronics



Compatibility with PACE Technology

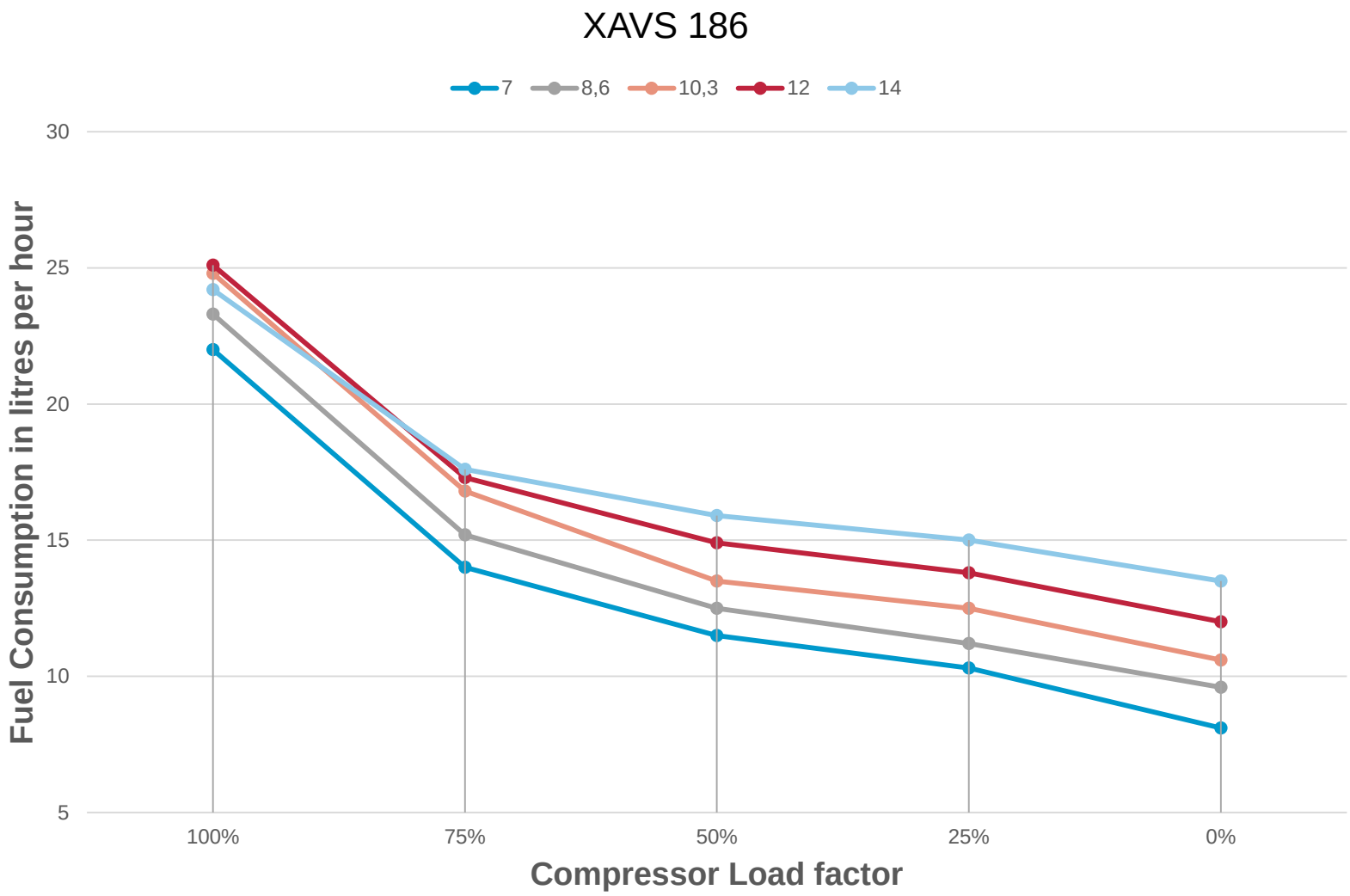
Single Electronic control unit for Engine and stage IV after treatment that has ability to integrate with Compressor XC2003 Controller

Cold start capabilities

confirms to OND standard for Low Noise Levels

Atlas Copco

JOHN DEERE



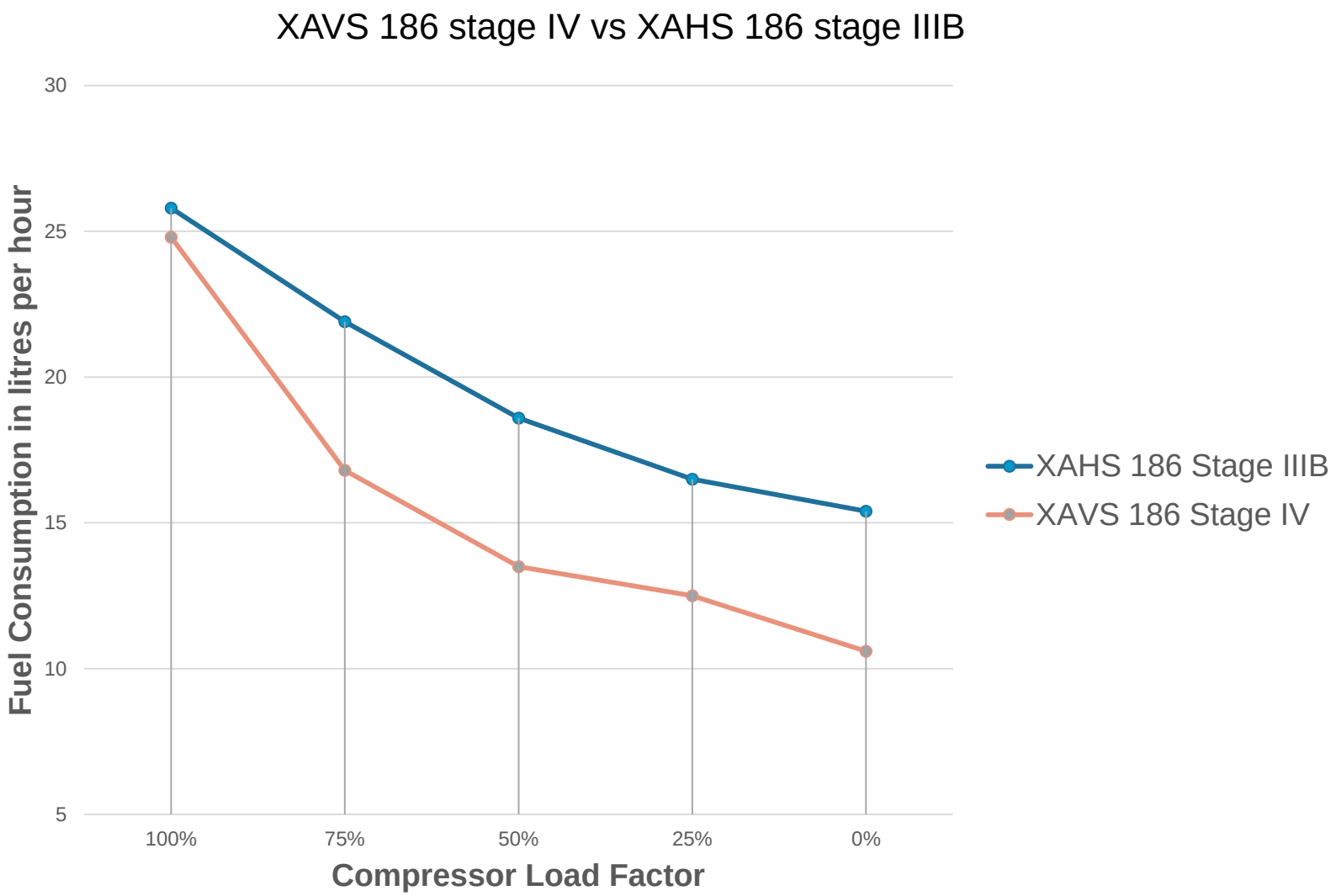
Low Cost of Operation

sTage V

PACE™
Pressure Adjusted thru Cognitive Electronics

Atlas Copco

JOHN DEERE



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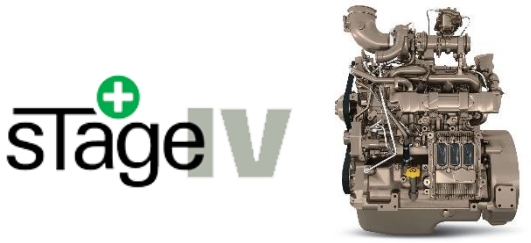

PACE™
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Atlas Copco

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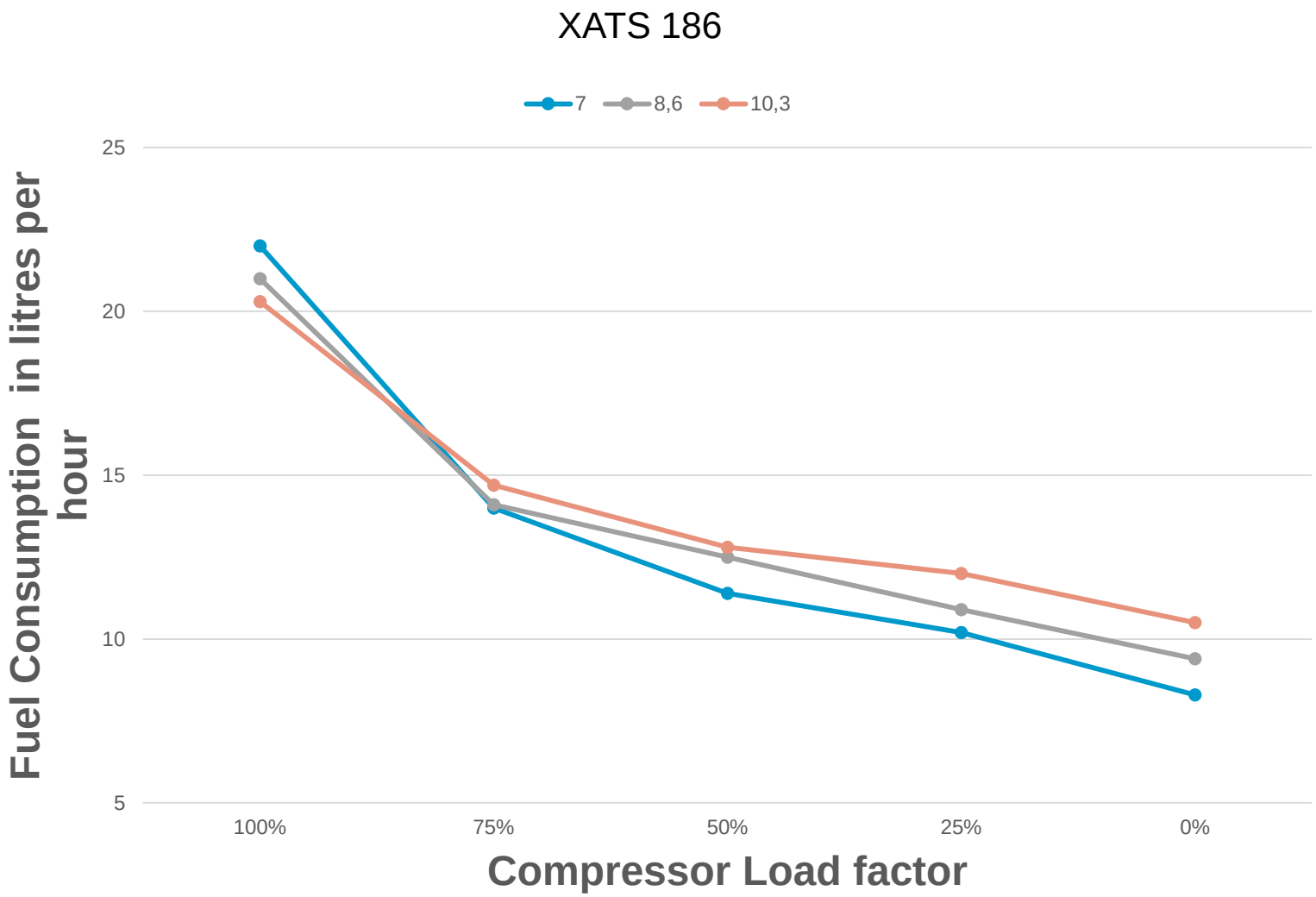


Low Cost of Operation

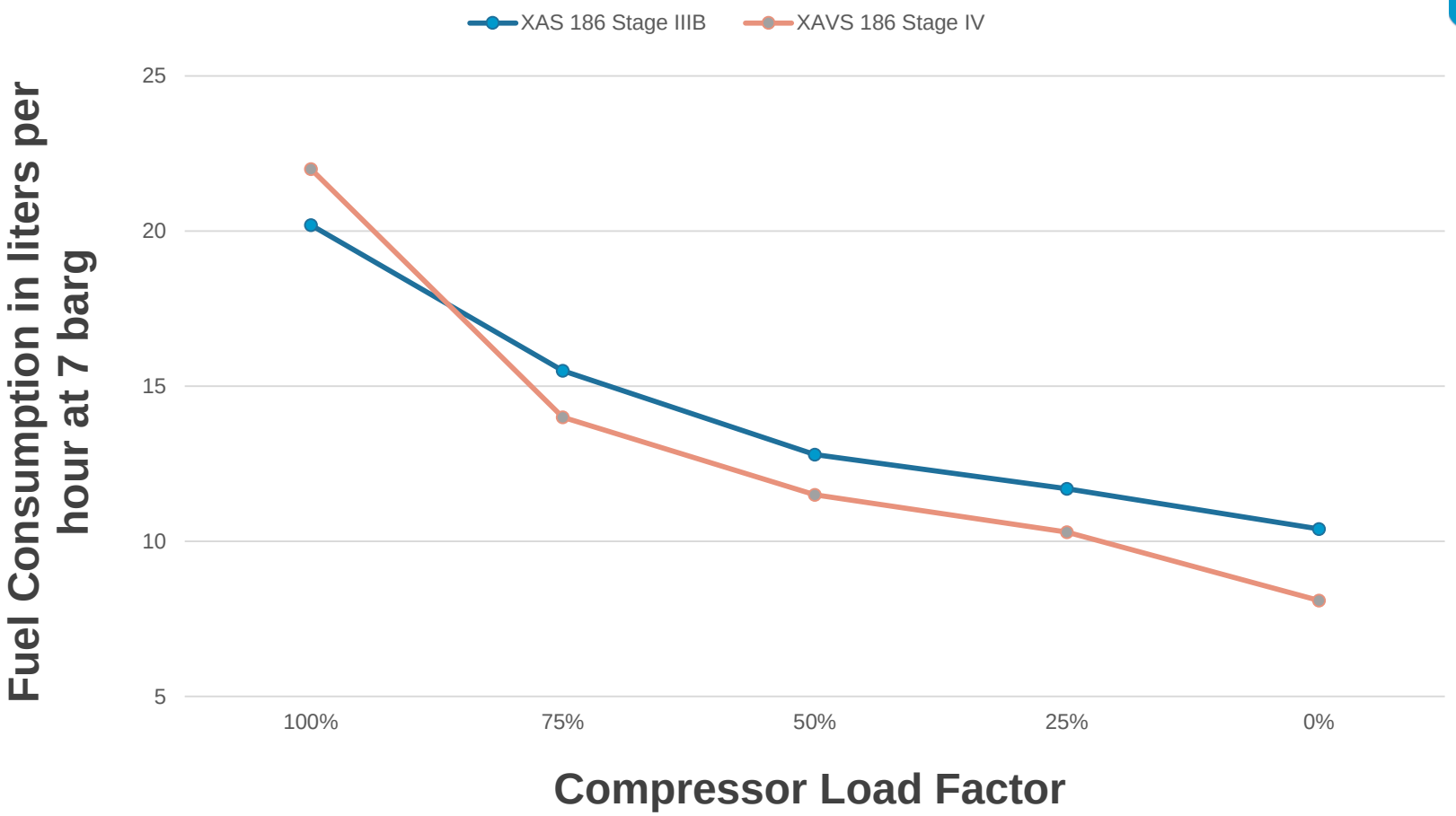
sTage V

PACE™
Pressure Adjusted thru Cognitive Electronics

Atlas Copco

JOHN DEERE

XATS 186 stage IV vs XAS 186 stage IIIB



Low Cost of Operation

stage IV

PACE™
Pressure Adjusted thru Cognitive Electronics

Atlas Copco

HIGHER RESALE VALUE

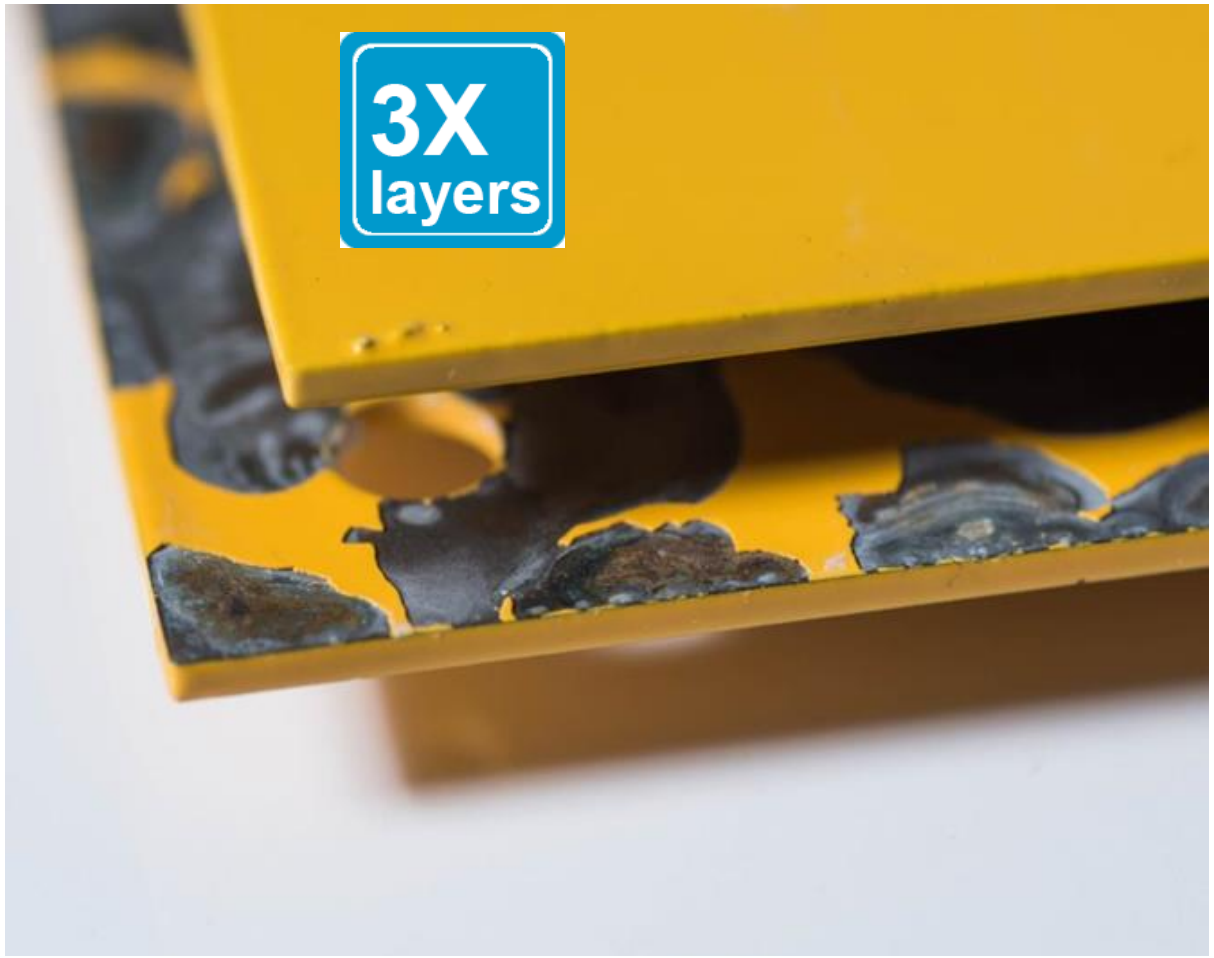
Three layer protection coating of all bodywork under corrosive category C3* helps minimize repainting costs. Top layer , a 100µm powder coat, creates a barrier against mechanical damage. The 100µm layer of primer protects from corrosion infiltrating under the coating. And in the event of coating damage, the steel is protected by a Zincor layer. This gives a Improved Lifetime for 10-15 years* thereby offering higher resale value

- Completely closed frame with sound attenuation
- Avoids oil, coolant or fuel spillage
- Central drain plugs in the frame that are sealed with metal screw type plugs
- Protected and planned wire routings below the machine, well protected and harnessed against heat, dust and water

The compressors residual value is largely defined by the remaining lifetime of the engine at the moment of resale, John Deere is Atlas Copco ’s preferred partner for meeting Stage IV standards for the XATS 186 and XAVS 186 compressors because of its reliability and ease of service and maintenance with best performance and efficiency. The stage IV compliancy increases the value over the time than similar stage IIIA or IIIB equipment in years to come. Moreover the XATS186 and XAVS 186 does not require a particulate filter , which means its remaining lifespan will not be a consideration when you resell the compressor

*Urban and Industrial areas with some coastal influence

CORROSION RESISTANCE



High
Resale Value

Low
repair cost

- Improved metal lifetime for 10-15 years
- With 3 layers Zincor, Primer and Powder coating
- Corrosive category C3

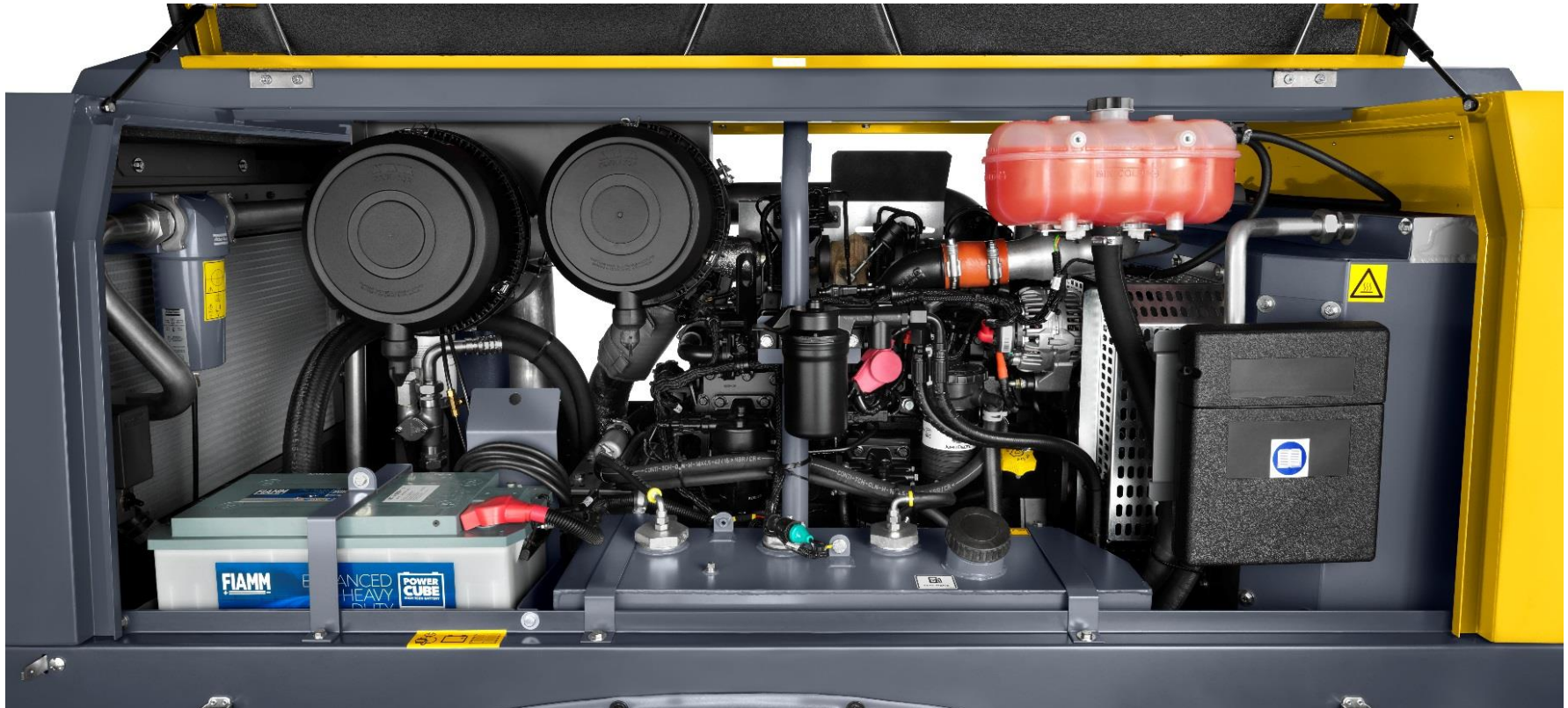
SERVICE

Compressor

1500 hours

Service intervals
Every 1500 hours
or once in 2 years

Low Cost of Operation



Atlas Copco

OPTIONS

Wheel Chock

Under Carriage

Support Mounted
Adjustable Towbar
Fixed Tow Bar

Towing Eyes

DIN, ITA, NATO, BNA, Ball coupling and loose ball coupling

Road Signal

Available as option

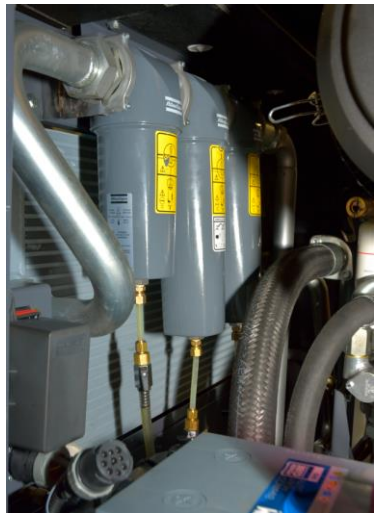
Support

Jockey Wheel
Leg Support

Atlas Copco

OPTIONS

After Cooler + Filters + Water Separator



Additional Fuel Filter

Special Application

Spark Arrestor

+Inlet Shutdown valve

Cold Start Option

GOOD REASON TO BUY XATS 186 & XAVS 186

XATS 186 & XAVS 186 offers more versatility with its new and intuitive ***PACE***™ **technology**, Pressure adjusted through cognitive electronics which makes the compressor suitable for operations between 7 and 14 barg with an incremental value of 0,1barg. This helps to improve productivity and minimize the fleet investments.

XATS 186 & XAVS 186 offers more versatility that allows **100% utilization** of the machine. Higher pressure and flow combination allows you to operate the machine for wide range of application. This brings higher return on investment.

XATS 186 & XAVS 186 is powered **by stage IV compliant John Deere engine** and comes with spillage free frame as standard. This makes the compressor usable in an environmental sensitive areas and increases project opportunities. This brings higher utilization and higher equipment residual value.

XATS 186 & XAVS 186 comes with a new generation premium efficiency compressor element. Along with the precise control of engine speed through PACE the machines offers higher fuel efficiency. This brings reduced cost of operation.

***XATS 186 – 10% Fuel Savings**
***XAVS 186 – 20% Fuel Savings**
***Compared to previous Stage IIIB models**

***XATS 186 – 7 to 10,7 Barg and XAVS 186 – 7 – 14 Barg**

GOOD REASONS TO BUY ***XATS & XAVS 186***

PACE™ technology

7 ▶ 14

EXTENDED pressure range
EXTENDED application range

Robustness

Spillage free frame
TOTALLY ENCLOSED
made by
ONE PIECES

stage V

1. Top layer 100µm powder coat
2. The 100µm layer of primer
3. Zincor layer

10-15 YEARS LIFETIME

3x layers

High resell value

NEW
controller XC 2003
Easy to Use
Password protected

20%
Less fuel

Standardizing fleet

Standardazing maintenance

Increasing utilization opportunities

XAVS 186 – 7 – 14 Barg

To win the race,

You need

PACE™

Pressure Adjusted by Cognitive Electronics

Let the RACE begin..

Atlas Copco

COMMITTED TO SUSTAINABLE PRODUCTIVITY

We stand by our responsibilities towards our customers,
Towards environment and the people around us.
We make performance stand the test of time.
This is what we call – Sustainable Productivity

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