



Atlas Copco



New dimensions in sandblasting - higher profit with electric compressors?

Online seminar on February 25, 2021

Your moderators today



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Use on the construction site

Project: Cleaning of an incinerator - nozzle floor & ash chutes



Picture: IBS Industriereinigung und Bolzenschweißtechnik Service GmbH

Use on the construction site

Project: Cleaning of an incinerator



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Use on the construction site

Project: Cleaning of an incinerator



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Why mobile VSD compressors - Customer response

Small footprint and light weight

Footprint

Up to **50% smaller footprint** than comparable diesel compressors
Up to **50% less weight** than comparable diesel compressors



Why mobile VSD compressors - customer feedback

Easy to connect



Easy to connect

- Easy connection through power locks (color coded).
- Adapter to 125A socket - in most industrial plants available
- Soft-Start - low starting currents
- Direction of motor rotation does not have to be considered
- No need to connect the individual phases to a terminal board
- No electrician required
- No refuelling required → time saving



Why mobile VSD compressors - customer feedback

Robust and easy to move

Transport

- Body suitable for construction site compared to stationary compressors (fixed installation)
- Mobile thanks to chassis - easy to transport to different job sites
- Integrated crane eye - additional mobility

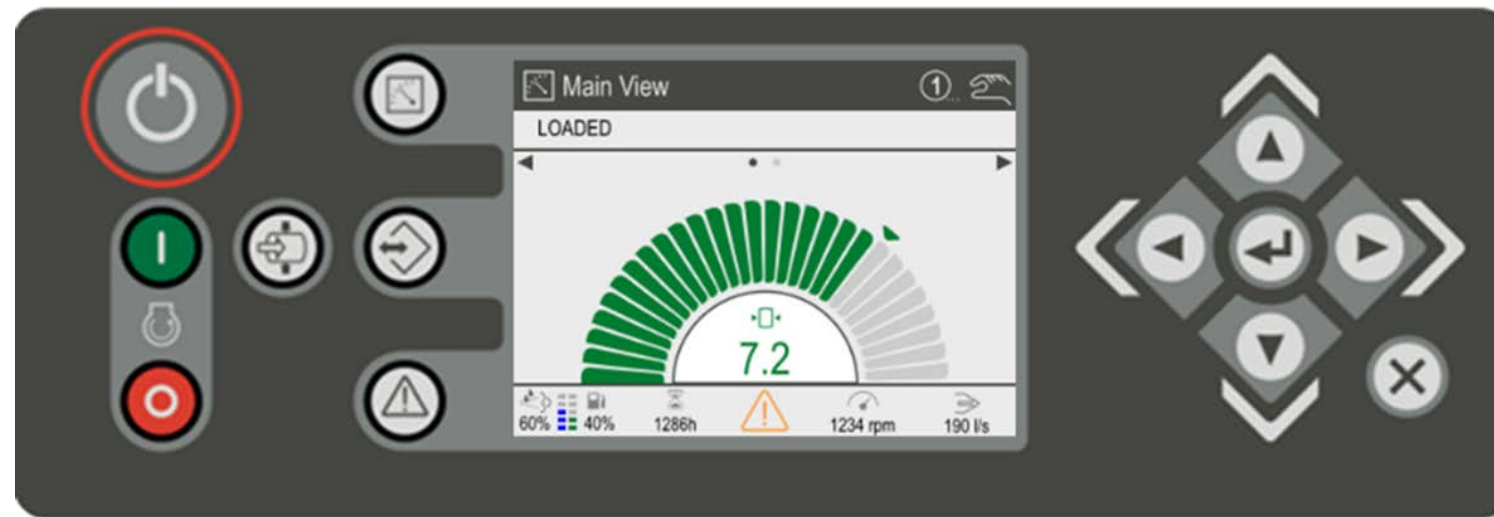


Why mobile VSD compressors - customer feedback

Easy operation - XC 2003 controller

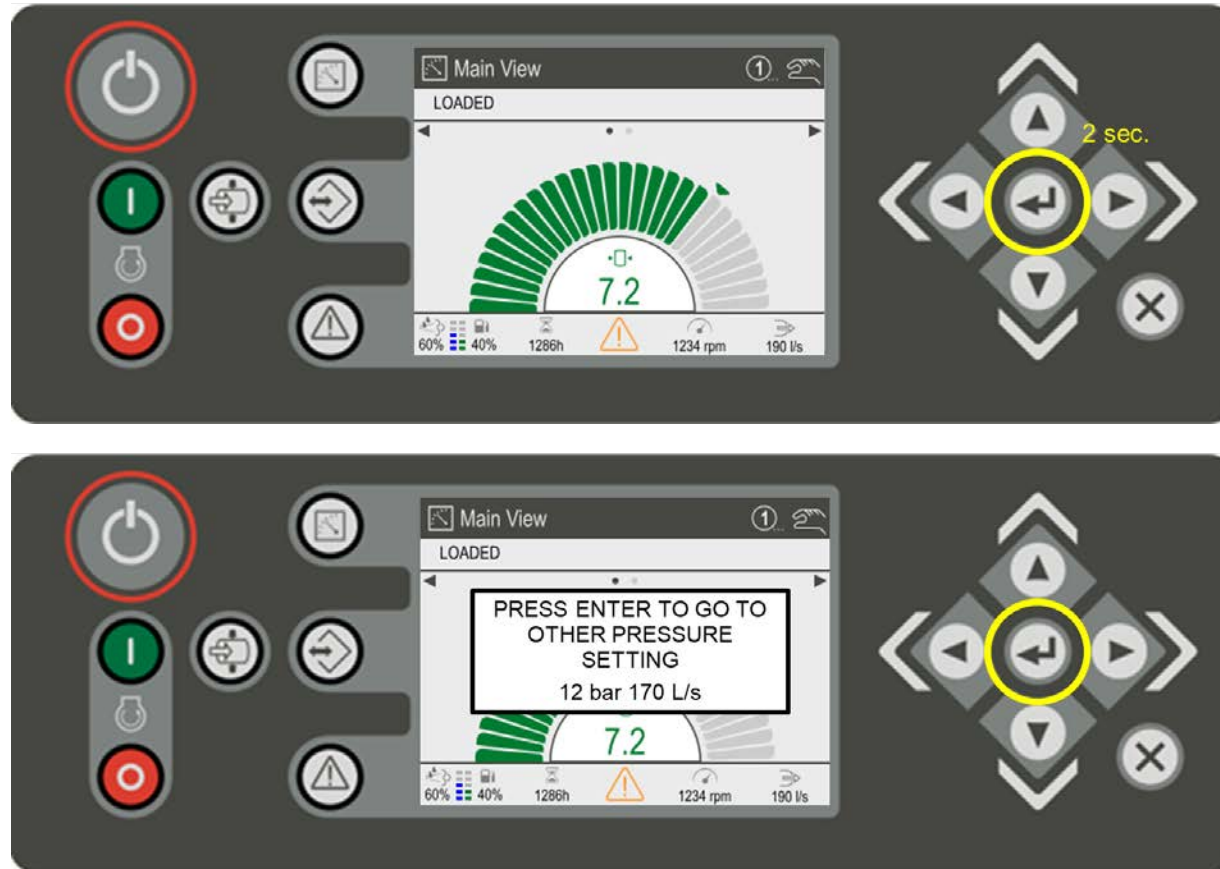
- User-friendly
- Easy pressure adjustment during blasting and simultaneous use of pneumatic tools
- Optimizes pressure and delivery rate
- All parameters are easy to read

Operation



Why mobile VSD compressors - customer feedback

Easy operation - XC 2003 controller- Example pressure setting:



Why mobile VSD compressors - customer feedback

Additional cost reduction

Cost reduction



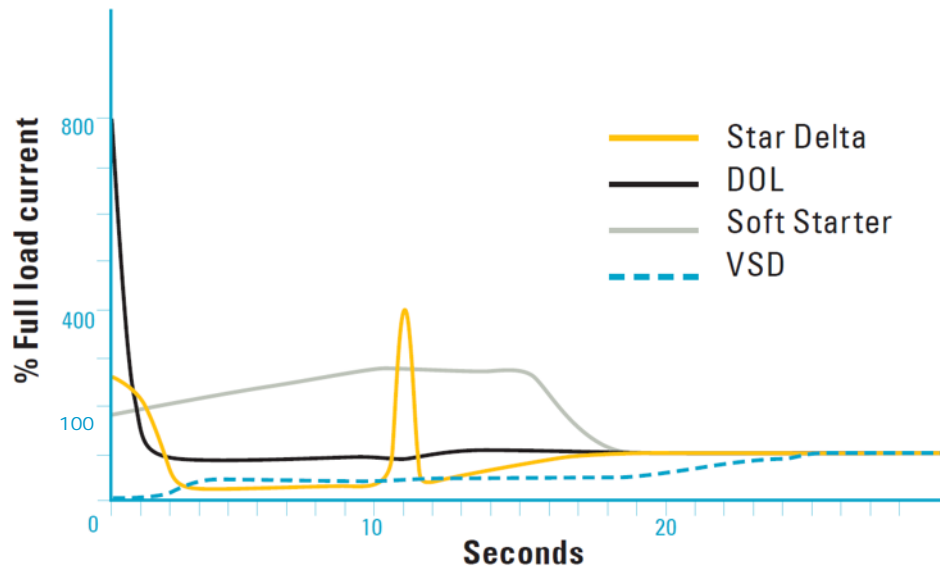
Why mobile VSD compressors - the Variable Speed Drive

Advantages of Variable Speed Drive

Variable speed drive

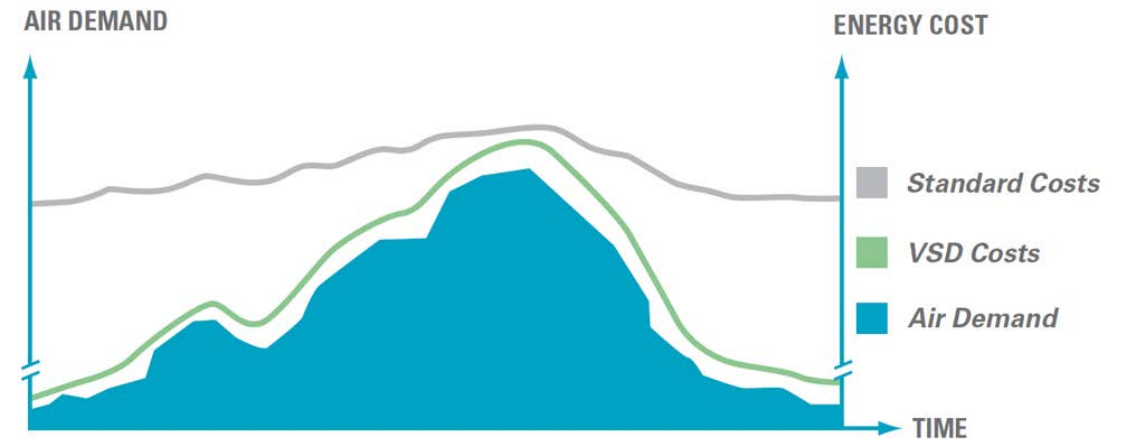
No current peaks at start-up

VSD saves on the electrical installation: smaller breakers, fuses, transformers and cables



Reduced energy consumption

As unloaded losses are reduced to a minimum, energy savings of up to 35% are accomplished



Use of mobile compressors for sandblasting

Why mobile VSD compressors

Advantages of a variable pressure regulation - PACE technology

Electric compressors vs. diesel drive - 5-point guide

Summary



PACE™ Technology

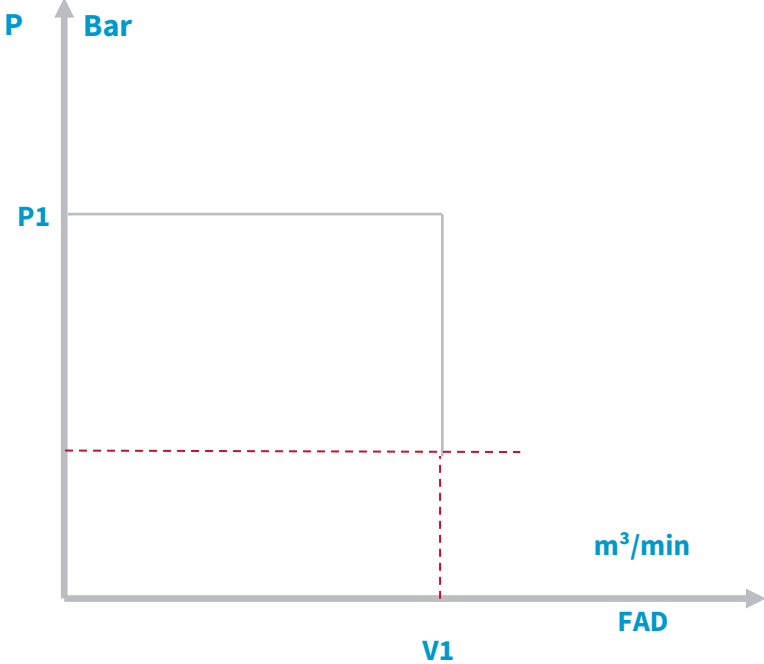
Pressure adjustment via intelligent electronics

- With a compressor with PACE technology, you can **set the pressure** while the machine regulates the flow. One machine can do as much as three machines with invariable pressure.
- PACE technology takes the **flexibility** of your compressor to a new level. Operating the equipment should be as easy as transporting it.

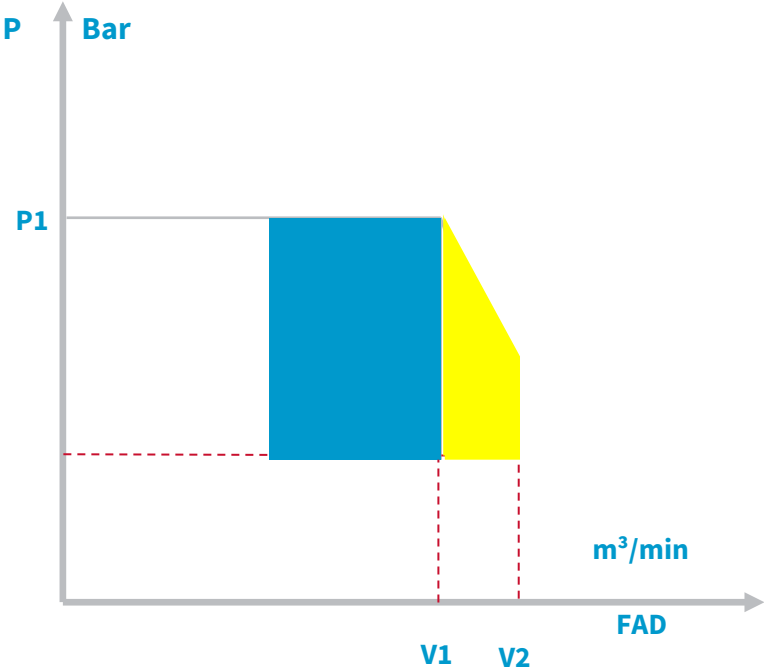


PACE

Pressure Adjusted by Cognitive Electronics

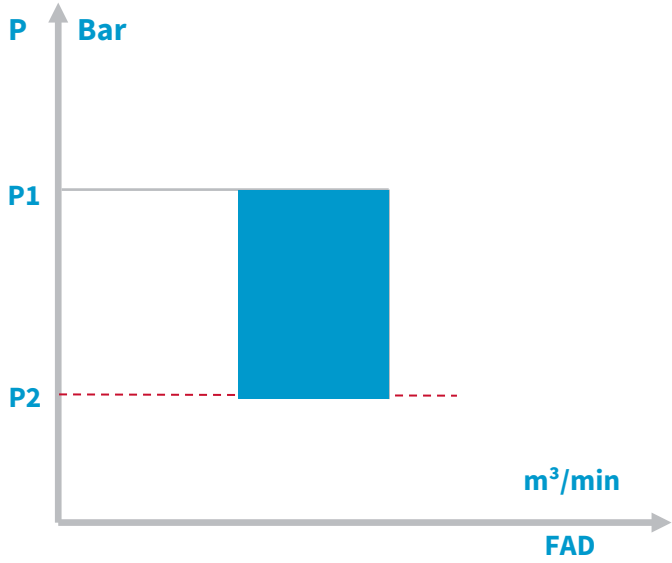


Standard compressor

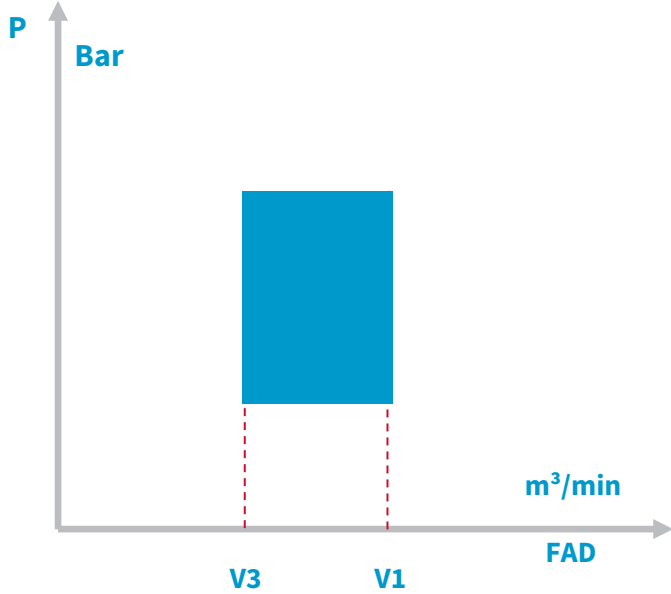


compressor with PACE

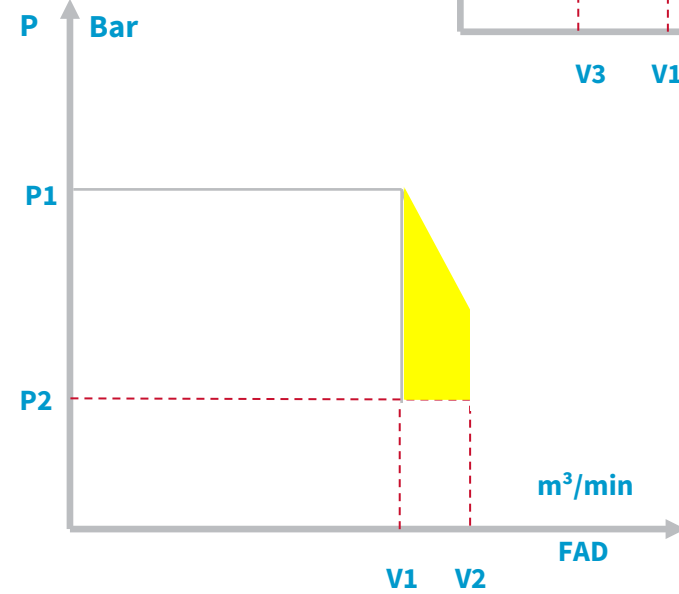
PACE™ Technology



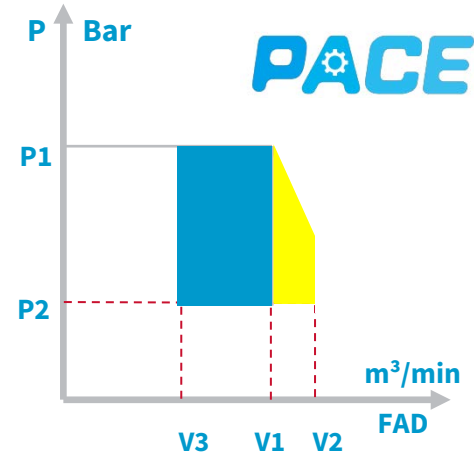
Pressure Control



Flow Control

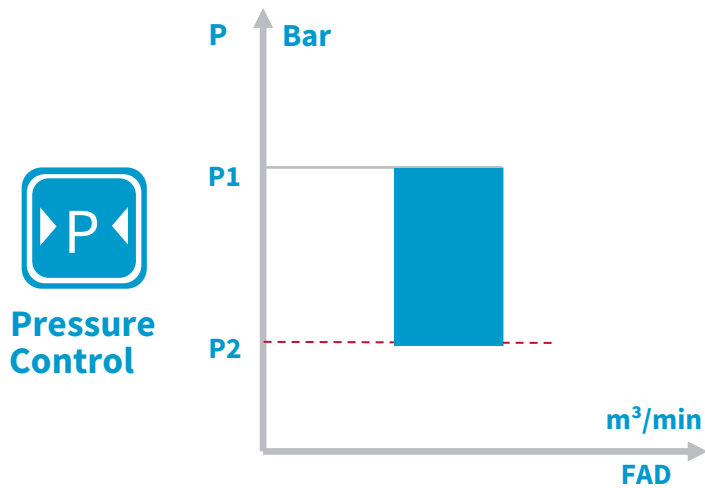


Flow Booster



PACE™ Technology

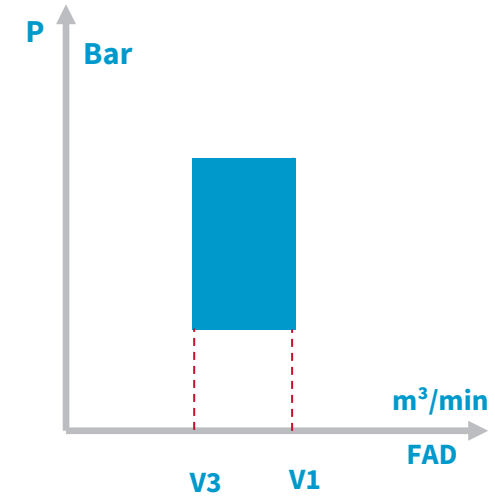
More applications with one machine



Pressure Control



Flow Control



5 bar



6 bar



10 bar



12 bar



13 bar



14 bar



Line Painting



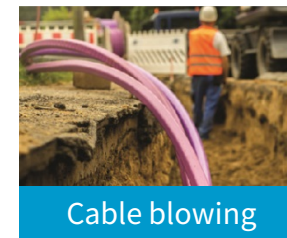
Handheld tools



Abrasive blasting



Shotcrete



Cable blowing



Drilling

One machine with PACE

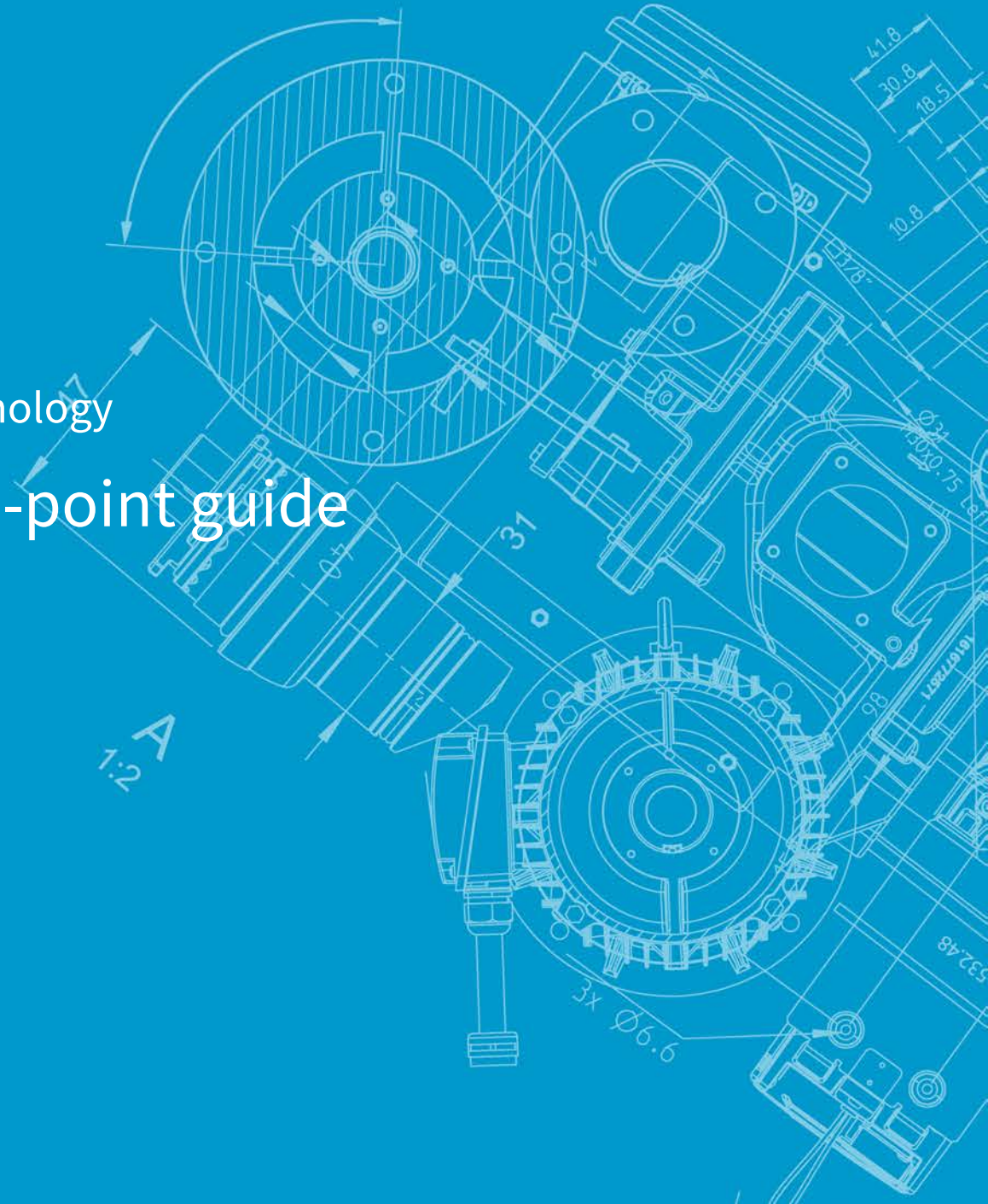
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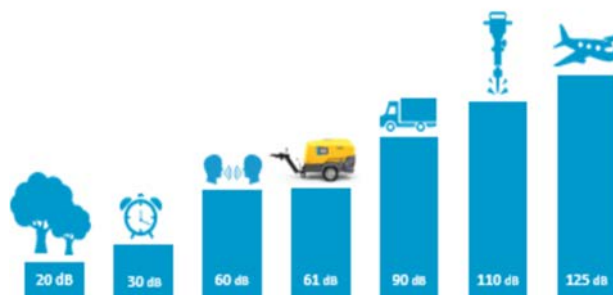
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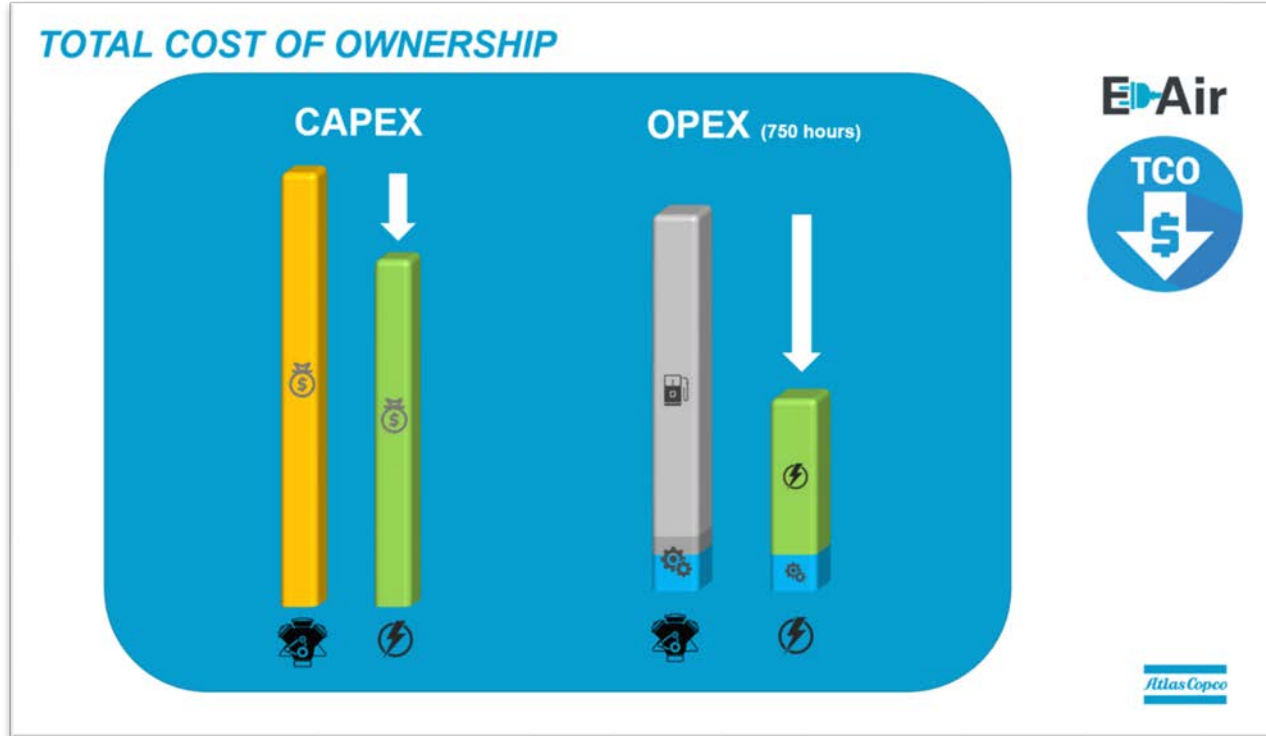
Electric compressors vs. diesel drive

5-point guide

1. initial costs in relation to the application
2. safety and mobility
3. maintenance and service
4. efficiency and autonomy
5. noise level and emissions



OPEX calculator



Operating expenditures

Total Cost of Ownership

Capital expenditures

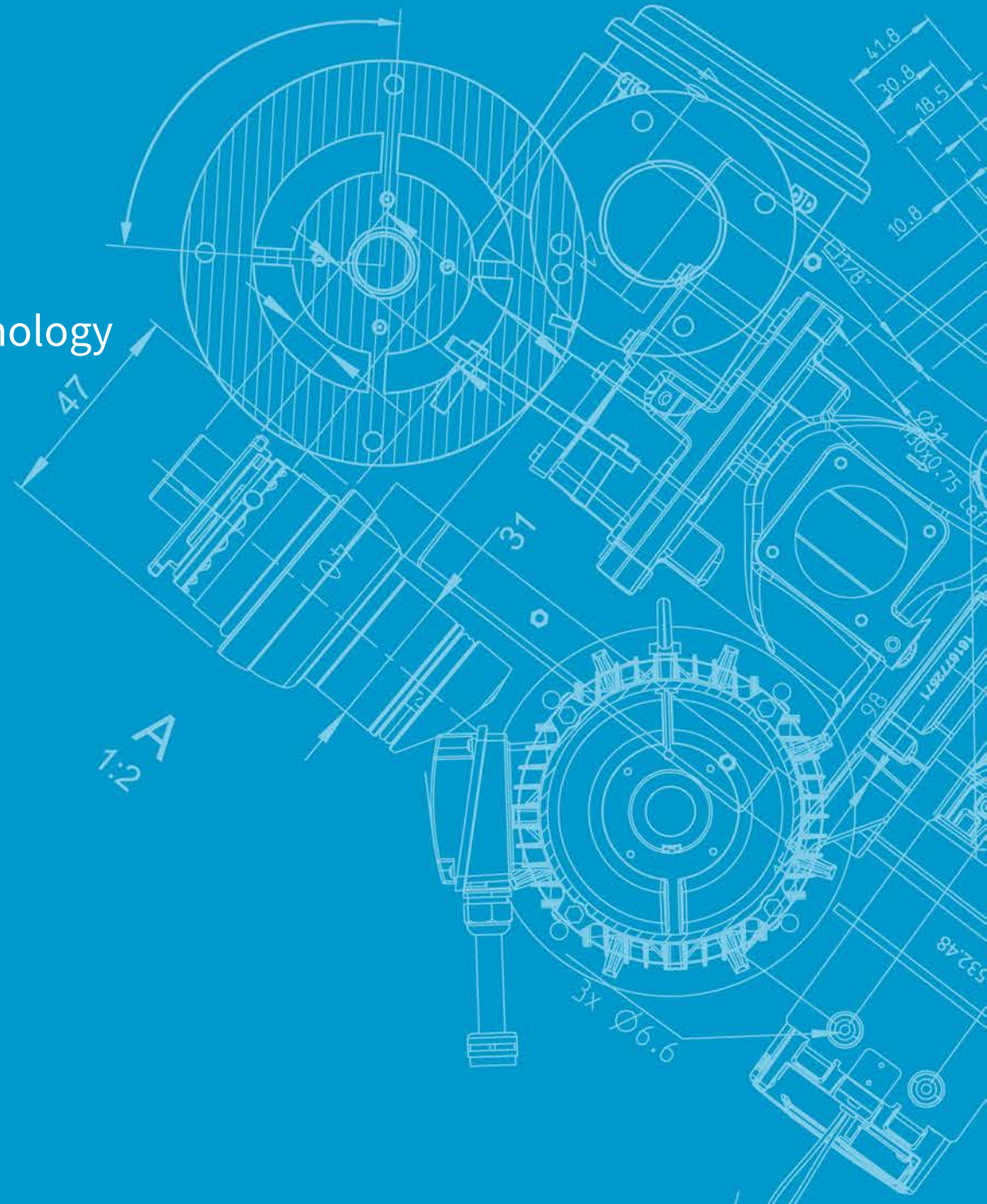
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Conclusion

- For sandblasting in industrial plants, electric VSD compressors are a good choice
- 125A sockets are almost always available (E-Air H450 VSD)
- Low noise operation and no exhaust emissions
- Small footprint makes the machine easy to set up on site
- The body, which is suitable for construction sites, allows the machine to be used even in difficult conditions
- The mobile version can be easily transported from one job site to another
- Easy operation for the operator thanks to the XC 2003 controller with PACE technology
- Low total cost of ownership



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The Atlas Copco logo consists of two horizontal white bars, one above and one below the brand name. The brand name "Atlas Copco" is written in a white, elegant, cursive script font, centered between the two bars.

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