

MaCo

Compressed Air Systems



MARTIN

Special Technics



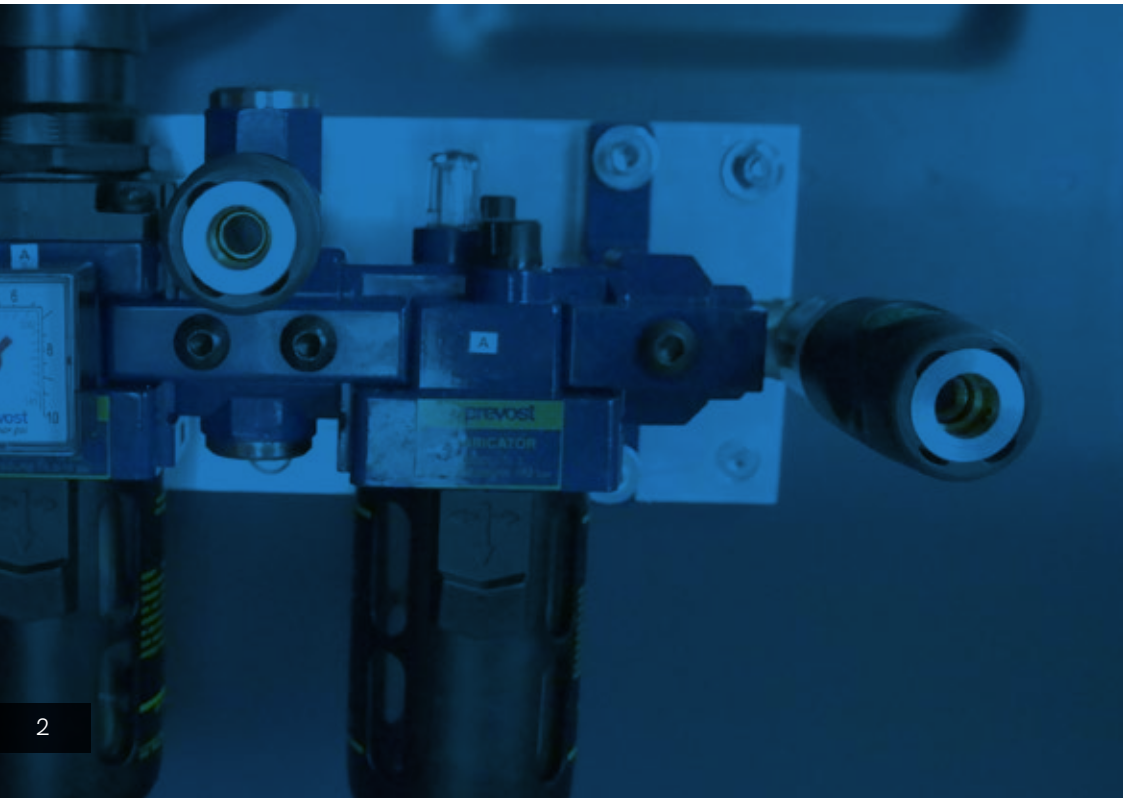
Compressed Air Systems for Mobile Work

High-Pressure (1-14 barg):
300 l/min - 6000 l/min

Low-Pressure (0-1 barg):
up to 20 m³/min

MaCo Compressed Air Systems

One System - One Solution for all Tasks



Mobile Compressed Air Supply

Heavy emergency combustion power generators + heavy compressor trailers = A difficult daily routine for many workers.

In construction, sewer rehabilitation companies or municipal enterprises they depend on old-fashioned and awkward mobile power and compressed air supplies.

The MaCo Compressed Air Systems are THE alternative to conventional compressors, whether high-pressure or low-pressure is required.



MaCo Compressed Air Systems the Best Choice!

MaCo Compressed Air Systems are state of the art with many advantages over commercially available compressors.

The MaCo Compressed Air Systems are space-saving mounted underneath the vehicle.

They are driven by the vehicle engine through the PTO directly or electrically. No more need for additional noisy and reeking combustion engines.

*Based on the compressed air output and the size of the system

Higher Payload

Conventional systems with the same performance cut your payload by several hundred kilograms, depending on the size of the system.*



More Usable Space

The MaCo Systems consist of a compressor and an air tank. The main components are installed underneath the vehicle. Only the service unit and the compressor control need some space inside the vehicle.



More Work Time

MaCo Systems become part of the vehicle and are driven by the vehicle engine. What's needed is always on board. Noisy combustion engines with their annoying time-consuming pick-up and refuelling trips are past!



Low-Maintenance

We use mainly powerful and hardwearing screw compressors rarely piston compressors. Our high-quality components grant long maintenance intervals and high durability.



Eco-Friendly

MaCo Compressed Air Systems are powered by the engine of the vehicle. This ensures the latest exhaust emission standards, a reduced air pollution and a minimised fuel consumption.

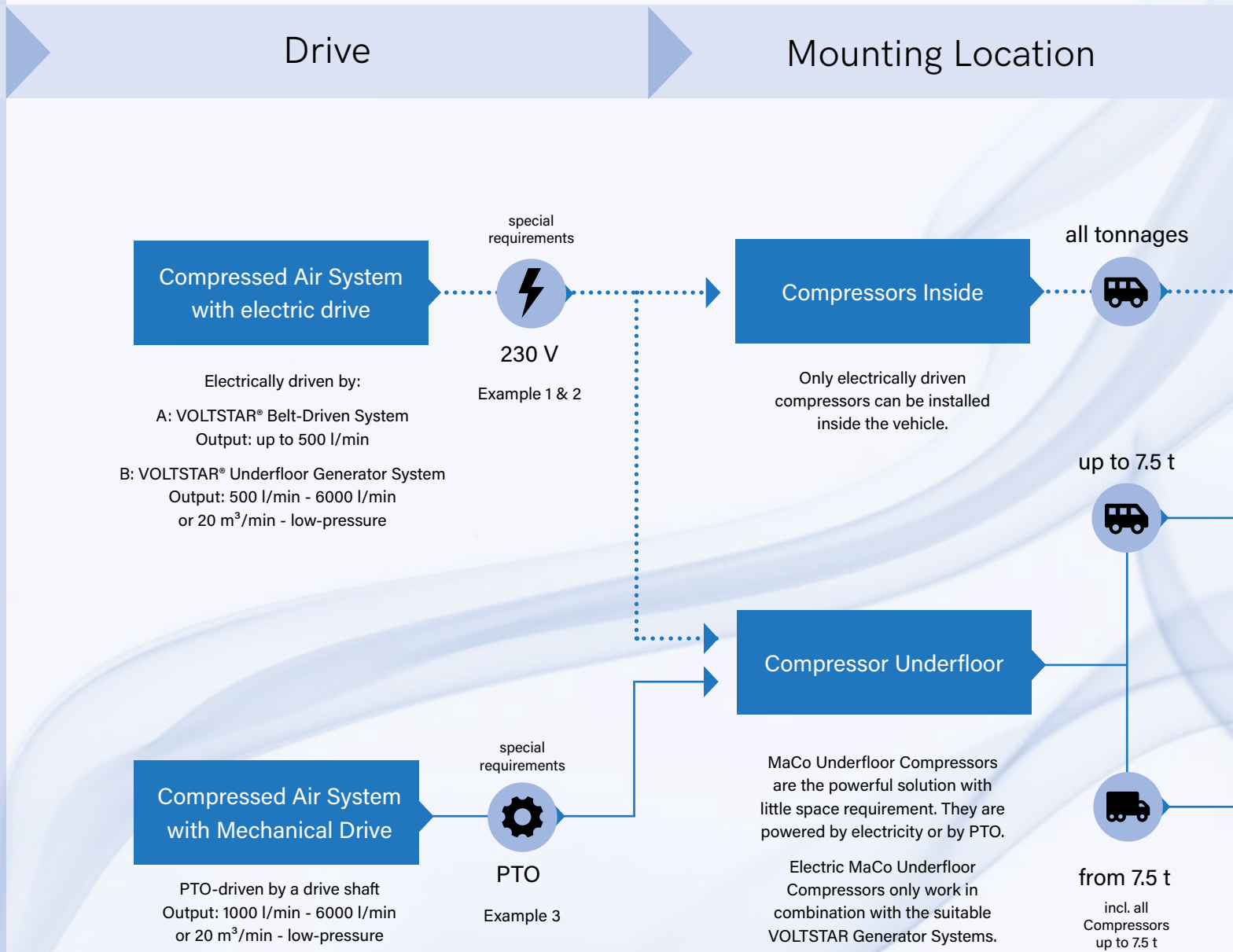


MaCo: One System - One Solution for all Tasks

MaCo Compressor Systems have everything you were looking for. No matter if it is a standalone compressed air system or a combined system with our VOLTSTAR power generator. They are a perfect match.

The MaCo Systems are available as piston and screw compressors in the high-pressure range and rotary piston compressors in the low-pressure range.

The following diagram shows the wide range of the MaCo Compressed Air Systems and makes it easier to find the right system.



Compressor

Overview



up to 240 l/min
up to 10 bar



MaCo^P



up to 300 l/min
up to 14 bar



MaCo^S



up to 1000 l/min
up to 14 bar



MaCo^S

up to 2500 l/min
up to 14 bar



MaCo^S

up to 4500 l/min
up to 14 bar



MaCo^S



up to 4500 l/min
up to 14 bar



MaCo^S

up to 6000 l/min
up to 14 bar



MaCo^S



up to 20m³/min
up to 1 bar



MaCo^R



1

Electrical Compressors
inside the vehicle
Powered by Belt-Driven
Generators



2

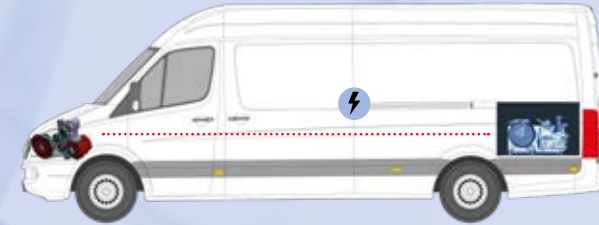
Electrical Underfloor
Compressors
Powered by Underfloor
Generators



3

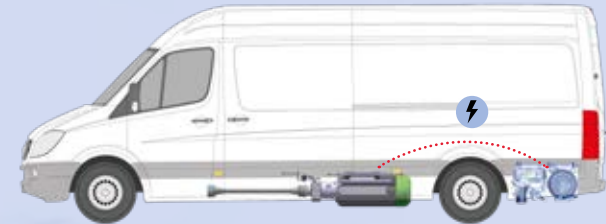
PTO driven Underfloor
Compressors
Powered by a shaft drive

all tonnages



MaCo^P
MaCo^S

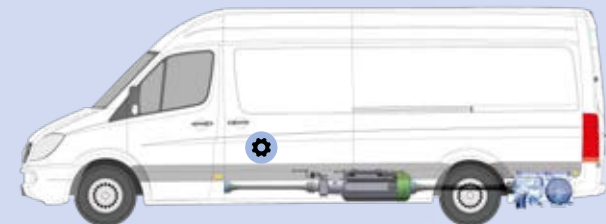
from 2.8 to 40 t



MaCo^S
MaCo^R

Requirement: switchable PTO, can be
retrofitted in most cases.

from 2.8 to 40 t



MaCo^S
MaCo^R

Requirement: Switchable PTO; can be
retrofitted in most cases.



Pneumatic Tools



Trenchless Cable Laying



Sandblasting



High-Pressure Cleaning

MaCo Systems Application Fields

Your application isn't listed? Let us know, we find the solution!

Companies from many industries already work with our Compressed Air Systems enjoying the performance, comfort and effortlessness.

The wide range of MaCo Compressed Air Systems reflect the variety of applications.



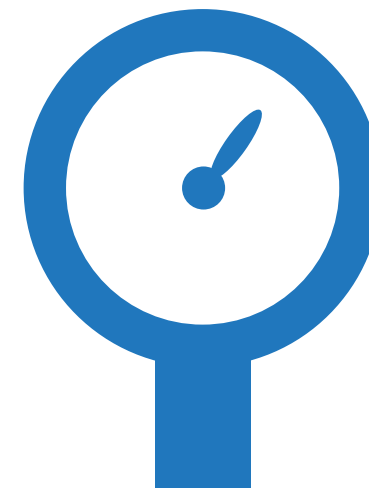
Tireservice



Sewer Rehabilitation



Cleaning Technology



Useful addons for MaCo Systems

Additional Air Tank

MaCo Systems regularly come with a 20 l compressed air tank.

Additional 20l / 40l / 60l or 80l air tanks for underneath the vehicle are available with following specs:

- permissible load cycles: 50,000 / 70,000
- permissible pressure: 16 bar



Electric Hose Reel

Electric aluminium hose reels come with:

- max. 40 m safety compressed air hose Ø 13 x 19 mm.
- electrically driven rewind system
- available in most RAL colours.



Compressed Air Service Unit

Standard components of the MaCo System are an oiler and a mechanical water separator.

To improve the air quality a Compressed Air Service Unit or a Refrigerant Dryer can be added to the MaCo System.



Hose/ Cable Flap

For the use of compressed air or electricity with closed doors.

- either with magnetic clasp and manual inside fastener
- or with central locking system
- Sizes: 136 x 200 / 220 x 200 mm



Shifting Clutch

The shifting clutch decouples MaCo Compressors connected through a VOLTSTAR Underfloor Generator with the PTO from the generator when they aren't used.

By operating the MaCo Compressor independently, wear and fuel consumption is minimized.





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Any questions or ideas?

Contact us!



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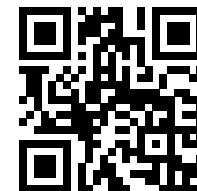
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