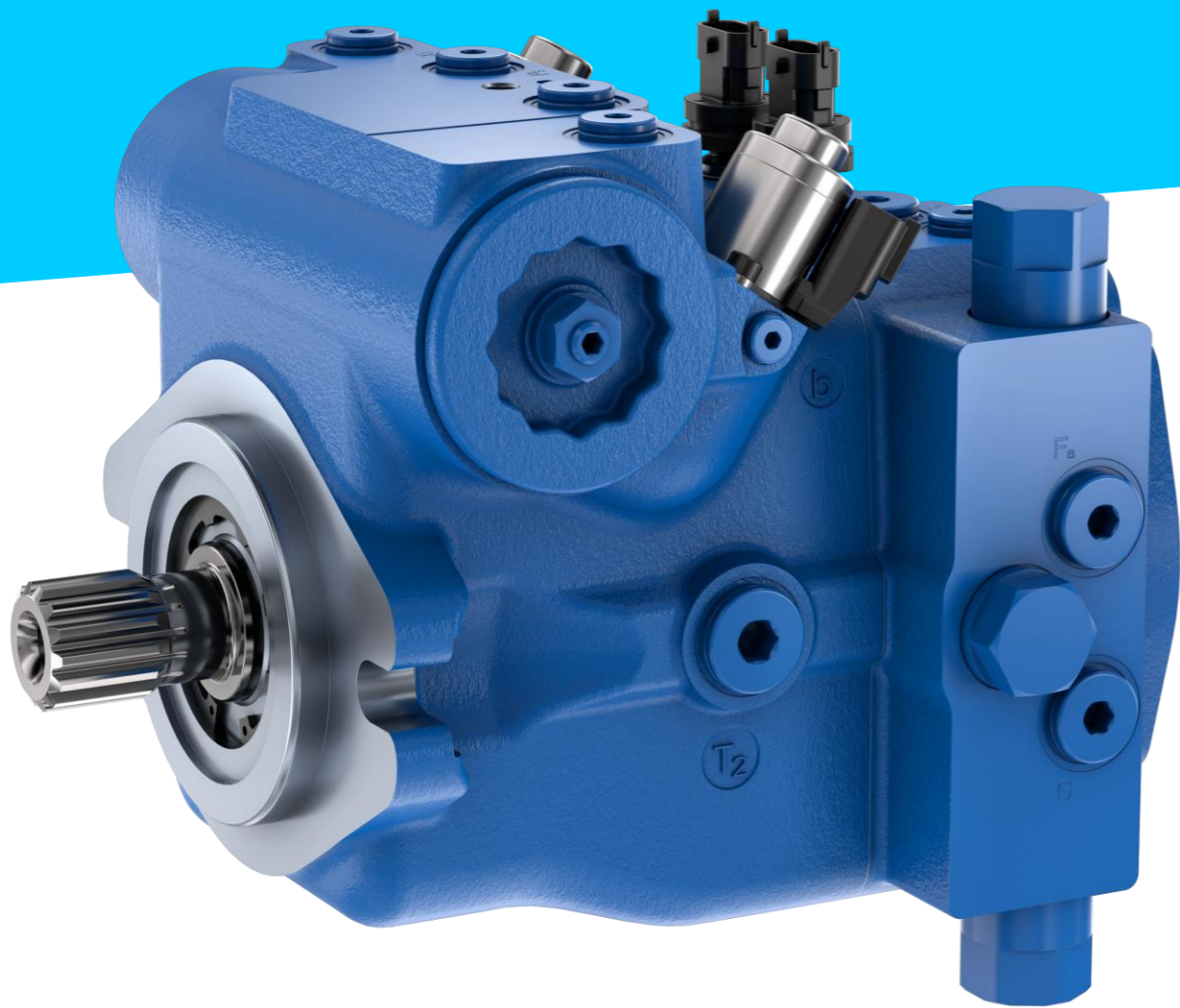


# Axial piston variable pump

## A10VG series 60

Electronified medium-pressure unit for mobile machines



Almost all manufacturers of compact construction machines, agricultural and forestry machines and materials handling vehicles are increasingly developing new travel drive concepts with higher operating pressures and electronic control. The aim is to reduce fuel consumption and emissions while at the same time extending the functionality of mobile machines. The new Rexroth axial piston variable pump A10VG series 60 fulfils these demanding requirements. It specifically combines the control valves with integrated sensors.

### CUSTOMER BENEFITS

- Compact design thanks to high power density
- Numerous functionalities
- Higher productivity due to adjustable pump dynamics
- Integrated sensors for electronic drives
- Reduced development effort for vehicle manufacturers

### FUNCTION AND BENEFITS

#### Compact design thanks to high power density

The Rexroth axial piston variable pump A10VG series 60 is characterized by its compact design and high power density. The design and pump characteristics have been optimized on the basis of load collectives. With a nominal pressure of 300 bar and a maximum pressure of 470 bar, it meets the requirements of machine manufacturers for higher pressure levels.

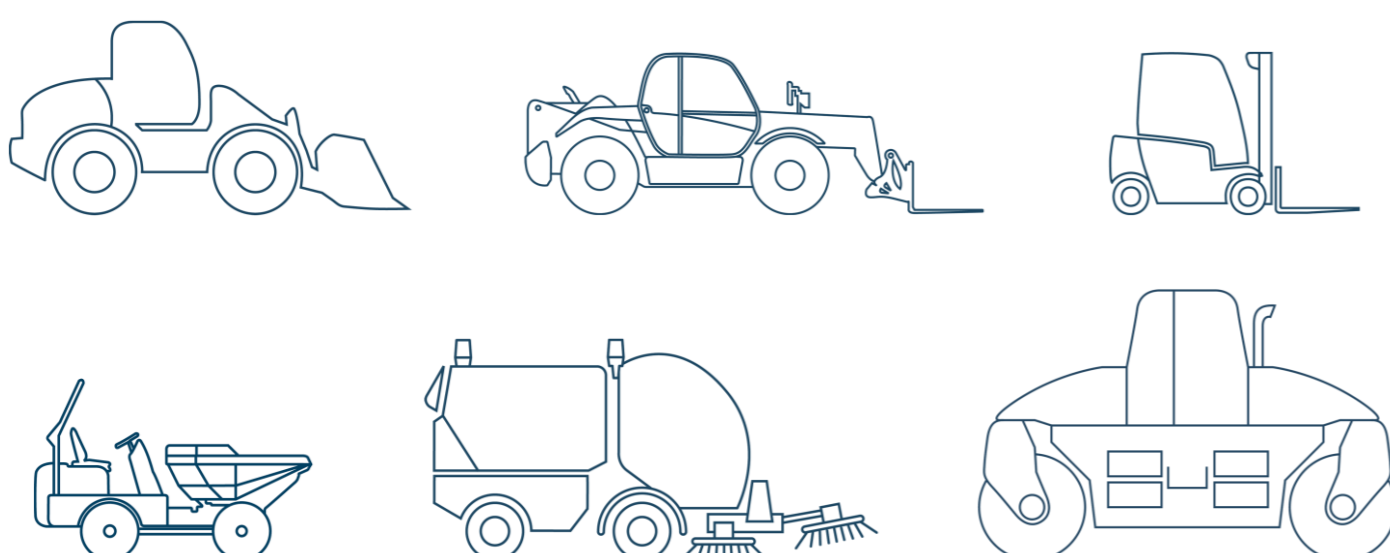
#### Numerous functionalities

The focus of the Rexroth A10VG series 60 is an innovative and modular control concept. The combination of control valves, sensors and customized software enables a wide range of functionalities to meet specific requirements. These include pressure control, pressure cut-off, precise swivel angle control and regulation as well as exact calibration.

#### Higher productivity due to adjustable pump dynamics

The adjustable pump dynamics in the BODAS software enable the hydraulic power to be continuously and dynamically adapted to the available performance. This enables very precise work functions which increase the overall productivity of the mobile machine.

### APPLICATIONS



**Axial piston variable pump A10VG series 60**  
Electronified medium-pressure unit for mobile machines

## TECHNICAL DATA

### Axial piston variable pump A10VG series 60

Sizes:	45 cm <sup>3</sup>
Nominal pressure:	300 bar
Maximum pressure:	470 bar
Working ports:	SAE flange ports arranged laterally
Control devices:	Electric control, direct operated, optionally with integrated pressure reducing or switching valves
Optional features:	Pressure and swivel angle sensor Sequence valve Large boost pump 100% drive-through capability Flushing valve (flange version)
BODAS software:	BODAS-drive eDA eCC BODAS pump control
Data sheet:	92760 (in preparation)



### Integrated sensors for electronic drives

The integrated sensors and the optional sequence valve simplify the electronification of closed-circuit travel drives. The Rexroth A10VG series 60 supports the ever closer networking of motor and machine control with the travel drive. In addition, it is based on the proven control concept of the series 35.

### Reduced development effort for vehicle manufacturers

The A10VG axial piston variable pump is optionally available as a single component with or without eCC BODAS pump control for integration into the travel drive by the customer. The A10VG series 60 can be optimally combined with Rexroth axial piston motors.

The A10VG is optimized for interaction with the BODAS-drive eDA software. In addition to the predefined basic functions, further comprehensive functions can be unlocked. This minimizes the engineering and programming effort for vehicle manufacturers. Usually only vehicle-specific parameters need to be defined in the software.