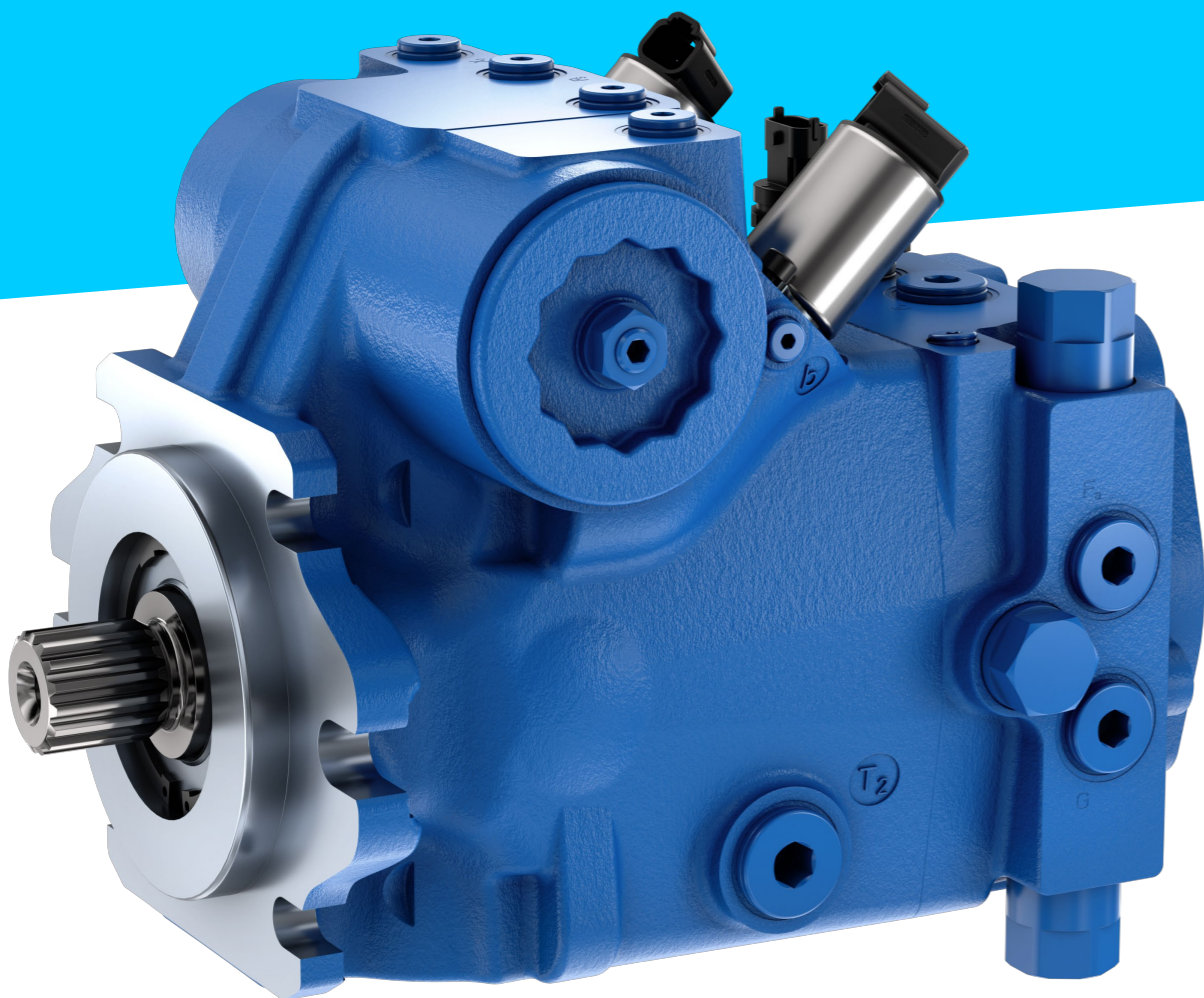


Axial piston variable pump A4VG series 35

Electronified travel drive pump with high pressure level

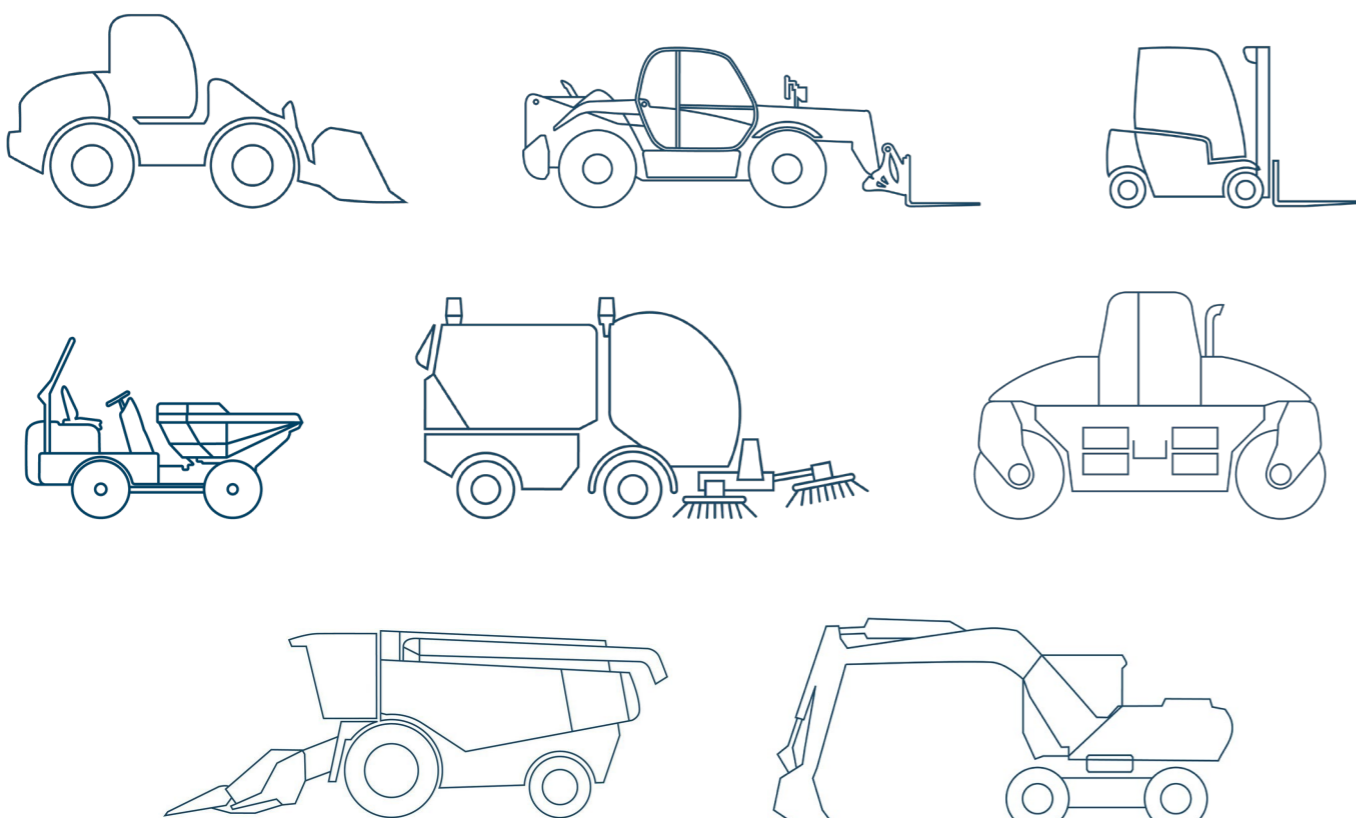


The trend is clear: More and more manufacturers of compact construction machinery and municipal vehicles are working on new travel drive concepts with higher working pressures and electronic control. Their objectives are to achieve a reduction in fuel consumption and exhaust emissions as well as improving driving comfort. The new Rexroth axial piston variable pump A4VG series 35 fulfills the requirements for future electronified travel drives with integrated sensors and higher maximum pressures.

CUSTOMER BENEFITS

- Especially suitable for use in electronified travel drives thanks to integrated sensors
- Supports the cross-linking of motor and machine control with the travel drive
- Compact design and high power density
- Reduced engineering effort for machine manufacturers
- Complete solution from a single source

APPLICATIONS



FUNCTION AND BENEFITS

Especially suitable for use in electronified travel drives

With its integrated sensors, the new Rexroth A4VG series 35 is already designed for the requirements of future travel drives. The integrated sensors simplify the electronification of travel drives in closed circuits. With these features, the Rexroth A4VG series 35 supports the trend towards ever-closer cross-linking of motor and machine control with the travel drive. Moreover, it was developed on the basis of the proven series 32 rotary groups in swashplate design and covers sizes 56 to 90.

Compact design and high power density

The new Rexroth axial piston variable pump A4VG series 35 stands out from the crowd thanks to its compact design. The design has been optimized using load collectives for travel drives, making it compact and highly powerful. Featuring a nominal pressure of 400 bar and a maximum pressure of 530 bar, the pump meets machine manufacturers' demands for higher pressure levels.

Axial piston variable pump A4VG series 35
Electronified travel drive pump with high pressure level

TECHNICAL DATA

Axial piston variable pump A4VG series 35

Sizes:	56 cm ³ to 90 cm ³
Nominal pressure:	400 bar
Maximum pressure:	530 bar
Working ports:	SAE flange ports arranged laterally
Control devices:	ET electric control, direct operated, with two pressure reducing valves
Optional features:	Through drive, Pressure sensor, Swivel angle sensor, Build-on flushing valve
Data sheet:	92035



Reduced engineering effort for machine manufacturers

The Rexroth axial piston variable pump A4VG series 35 is available either as individual component or as a complete solution in connection with optimally adapted hydraulic motors and the new travel drive software from Rexroth. In addition, the BODAS pump control software is available for integration into the travel drive by the customer. By transferring component functions into the software, they can be enabled or locked as needed. By doing this the Rexroth A4VG series 35 contributes to a reduction in the conventional engineering effort for new drive concepts.

Complete solution from a single source

Together with high-efficiency Rexroth A6V/A36V series hydraulic motors and the new BODAS-drive software eDA, Bosch Rexroth also offers complete solutions for travel drives from a single source. All of the components are optimally adjusted to one another and all basic functions have already been predefined in the software. This reduces engineering time and costs and often means that programming is no longer necessary for machine manufacturers. The machine manufacturers have only to define the series-specific parameters.