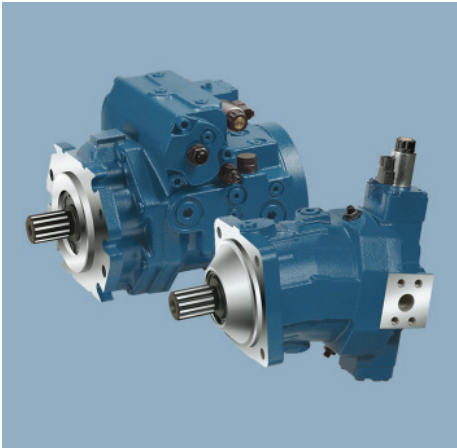


Axial Piston Units



Axial Piston Units

Axial piston units are available in the form of pumps and motors in bent axis design or swashplate design for medium- and high-pressure ranges. They are the main components in the hydrostatic transmission. Compact size and high power density, economy and reliability are characteristic advantages which speak for the use of hydrostatic transmissions, together with the fact that they meet the demand for high speed and high torque, as well as optimum efficiency. Our versatile transmissions for mobile applications can be combined in a variety of ways with pumps, motors and open or closed loop control devices to offer the optimum design for every drive application and every power range.

To go directly to a specific type click on one of the titles below.



Fixed Pumps



Variable Pumps, Open Circuit



Variable Pumps, Closed Circuit



Fixed Motors



Variable Motors



Accessories for Axial Piston Units



Hydraulic Fluid Information





Axial Piston Units



Fixed Pumps – Open Circuits

Bosch Rexroth fixed displacement pumps are available in a variety of sizes and piston designs for many different mobile hydraulics markets and applications, offering superb versatility and adaptability.

Click the data sheet numbers to open the PDF file.

Fixed Pumps				
Product Photo	Model	Description	Size	Data Sheet
	AA2FO (A2FO)	Fixed Displacement Pump, Open Circuits	5 to 1,000	RA 91 401
	A4FO	Fixed Displacement Pump, Open Circuits	16 to 500	RE 91 455
	A17FO A17FNO	Fixed Displacement Pump, Open Circuits for Commercial Vehicles	23 to 107 125	RE 91 520 RE 91 510
	A18FDO	2-Circuit Axial Piston Fixed Displacement Pump, Open Circuits	63, 80	RE 91 540

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Axial Piston Units



Variable Pumps – Open Circuits

Variable displacement hydraulic pumps from Rexroth offer a wealth of features, plus a product variety that delivers a variable pump solution for almost any hydrostatic drive or circuit type.



Click the data sheet numbers to open the PDF file.

Variable Pumps				
Product Photo	Model	Description	Size	Data Sheet
	A4VSO	Variable Displacement Pump, Open Circuits	40 to 1,000 HFC Fluids LR Control HD Control	RA 92 050 RA 92 053 RA 92 064 RA 92 080
	AA11VO	Variable Displacement Pump, Open Circuits	40 to 260	RA 92 500
	A10V(S)O/31	Variable Displacement Pump, Open Circuits Series 31	18 to 140 ED, ER Control EF Control	RA 92 701 RE 92 707 RE 92 709
	A10VO/32	Variable Displacement Pump, Open Circuits Series 32	71 to 140	RE 92 705
	A10VO/5X	Variable Displacement Pump, Open Circuits Series 52 & 53	Sizes 10 to 85 ED, ER Control EP, EK Control EF Control	RA 92 703 RE 92 707 RE 92 708 RE 92 709

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Axial Piston Units

Click the data sheet numbers to open the PDF file.

Variable Pumps – continued				
Product Photo	Model	Description	Size	Data Sheet
	A10VNO	Variable Displacement Pump, Open Circuits	28 to 85	RA 92 735
	A20VO	Variable Displacement Double Pump, Open Circuits	60 to 520	RE 93 100
	A7VO	Variable Displacement Pump, Open Circuits	55 to 160 250 to 500	RE 92 202 RE 92 203
	A17VO	Variable Displacement Pump, Open Circuits for Commercial Vehicles	55 to 107	RE 92 260
	A18VO A18VLO	Variable Displacement Pump, Open Circuits for Commercial Vehicles, (LO increased service life)	80, 107 80	RE 92 270 RE 92 280
	A8VO	Variable Displacement Double Pump, Open Circuits	55 to 200	RE 93 010

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Axial Piston Units



Variable Pumps – Closed Circuits

Variable displacement hydraulic pumps from Rexroth offer a wealth of features, plus a product variety that delivers a variable pump solution for almost any hydrostatic drive or circuit type.




Click the data sheet numbers to open the PDF file.

Variable Pumps				
Product Photo	Model	Description	Size	Data Sheet
	AA4VG	Variable Displacement Pump, Closed Circuits Series 32	28 to 250	RA 92 003
	A4VG	Variable Displacement Pump, Closed Circuits Series 40	45 to 175	RA 92 004
	A4VTG	Variable Displacement Pump, Closed Circuits for Concrete Mixer Drum Drive	71 and 90	RA 92 013
	AA4CSG	Variable Displacement Pump, Closed Circuits Compact Unit	250 to 750	RA 92 105

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Axial Piston Units

Click the data sheet numbers to open the PDF file.

Variable Pumps – continued				
Product Photo	Model	Description	Size	Data Sheet
	AA10VG	Variable Displacement Pump, Closed Circuits	18 to 63	RA 92 750
	A20VG/ A22VG	Variable Displacement Double Pump, Closed Circuits	18, 45	RA 93 220
	A30VG	2 Circuit Axial Piston Variable Pump, Closed Circuits	28	RE 93 430

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Axial Piston Units







Fixed Motors – Open and Closed Circuits

Rexroth fixed displacement motors include both standard and plug-in design choices for flexible hydrostatic drive solutions in many hydraulics applications.

Learn more below concerning specific fixed motor hydrostatic products, or find out more about the many Rexroth mobile hydraulics choices.

Click the data sheet numbers to open the PDF file.

Fixed Motors				
Product Photo	Model	Description	Size	Data Sheet
	AA2FM (A2FM)	Fixed Displacement Motor, Open and Closed Circuits	5 to 1,000	RA 91 001
	A2FE	Fixed Displacement Motor, Open and Closed Circuits Plug-In Design	28 to 355	RE 91 008
	A4FM	Fixed Displacement Motor, Open and Closed Circuits	22 to 500	RE 91 120
	A10FM / A10FE	Fixed Displacement Motor, Open and Closed Circuits Standard and Plug-In Design	10 to 63	RA 91 172

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Axial Piston Units



Variable Motors – Open and Closed Circuits

With variable displacement motors from Rexroth, you get systems suited for both open- and closed-system hydrostatic drives, also available in a plug-in design that gets mobile machinery up to speed quickly in rugged applications like construction.

Click the data sheet numbers to open the PDF file.

Variable Motors				
Product Photo	Model	Description	Size	Data Sheet
	AA6VM	Variable Displacement Motor, Open and Closed Circuits Series 63	28 to 1,000	RA 91 604
	A6VM	Variable Displacement Motor, Open and Closed Circuits Series 71	60 to 280	RA 91 610
	A6VE	Variable Displacement Motor, Open and Closed Circuits Plug-In Design	28 to 250	RE 91 606
	A10VM / A10VE	Dual Displacement Motor, Standard & Plug-In Design Series 52	28 to 85	RA 91 703

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Axial Piston Units



Accessories for Axial Piston Units

Click the data sheet numbers to open the PDF file.

Accessories			
Model	Description	Size	Data Sheet
-	Coupling Flange for Cardan Shaft Drive for KFA, KVA and A18	Flange 90 and 100	RE 95 001
-	Suction Pipe (for KFA, A18VO, A18VLO)	-	RE 95 004
SV	Flushing and Boost Pressure Valve	-	RE 95 512
LA	Power Valve (for AA4VG/HD)	-	RE 95 514
BVD	Counterbalance valve	20, 25	RE 95 522
-	Universal Through Drive for A4VSO/30 and A10VSO/32	-	RE 95 581
TMP/TMS	Hydraulic Tank for Hydrostatic Fan Drives	-	RE 95 721

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Axial Piston Units



Hydraulic Fluid Information

It takes the right kind of hydraulic fluid to get the top performance from Rexroth hydraulic components – and the choice of hydraulic fluids has become even more important as environmentally acceptable fluids are becoming more preferred. The information below (all PDF) will help you make the right choice when selecting a hydraulic fluid for your equipment.

Click the data sheet numbers to open the PDF file.

General	
Description	Data Sheet
Hydraulic Fluids on a Petroleum Oil Bases for Axial Piston Units	RE 90 220
Environmentally Acceptable Hydraulic Fluids for Axial Piston Units	RE 90 221
Environmentally Acceptable Hydraulic Fluids HETG, HEPG, HEES	RE 90 221-1
Axial Piston Units for use with HF Fluids	RE 90 223

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