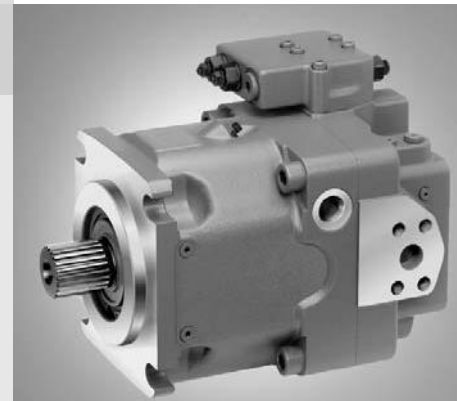


Axial Piston Variable Pump A11VO

RE 92500/10.09 1/64
Replaces: 06.09

Data sheet

Series 1
Size NG40 to 260
Nominal pressure 350 bar
Maximum pressure 400 bar
Open circuit



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Features

- Variable axial piston pump of swashplate design for hydrostatic drives in open circuit hydraulic system.
- Designed primarily for use in mobile applications.
- The pump operates under self-priming conditions, with tank pressurization, or with an optional built-in charge pump (impeller).
- A comprehensive range of control options is available matching any application requirement.
- Power control option is externally adjustable, even when the pump is running.
- The through drive is suitable for adding gear pumps and axial piston pumps up to the same, i.e. 100% through drive.
- The output flow is proportional to the drive speed and infinitely variable between $q_{V \max}$ and $q_{V \min} = 0$.

Ordering Code / Standard Program

A11V		O	130	DRS	/	1	0	R	-	N	Z	D	12	K02			K
01	02	03	04	05		06	07	08		09	10	11	12	13	14	15	16

Axial piston unit

01	Swashplate design, variable, nominal pressure 350 bar, maximum pressure 400 bar															A11V
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Charge pump (impeller)

										40	60	75	95	130	145	190	260		
02	without charge pump (no code)										●	●	●	●	●	●	●	●	
	with charge pump										-	-	-	-	●	●	●	●	L

Operation

03	Pump, open circuit															O
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Size

04	≈ Displacement $V_{g,max}$ in cm^3										40	60	75	95	130	145	190	260
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Control unit

05	Power control		LR				●	●	●	●	●	●	●	●	●	●	LR	
	with override	cross sensing	negative	LR	C			●	●	●	●	●	●	●	●	●	●	LR.C
		high-pressure related	negative	LR3				●	●	●	●	●	●	●	●	●	●	LR3
		pilot-pressure related	negative	LG1					●	●	●	●	●	●	●	●	●	●
	positive		LG2					●	●	●	●	●	●	●	●	●	●	LG2
	electric	U = 12 V	negative	LE1				○	○	○	●	●	●	●	●	●	●	LE1
			U = 24 V	negative	LE2				○	●	●	●	●	●	●	●	●	LE2
	with pressure cut-off			D				●	●	●	●	●	●	●	●	●	●	L.D..
		hydraulic, 2-stage		E				●	●	●	●	●	●	●	●	●	●	L.E..
		hydraulic, remote controlled			G				●	●	●	●	●	●	●	●	●	●
	with load sensing						S	●	●	●	●	●	●	●	●	●	●	L...S
		electric, prop. override, 24 V					S2	○	○	○	●	●	●	●	●	●	●	L...S2
		hydraulic, prop. override					S5	○	○	○	●	●	●	●	●	●	●	L...S5
	with stroke limiter	negative characteristic	$\Delta p = 25$ bar				H1	●	●	●	●	●	●	●	●	●	●	L...H1
			$\Delta p = 10$ bar				H5	●	●	●	●	●	●	●	●	●	●	L...H5
		positive characteristic	$\Delta p = 25$ bar				H2	●	●	●	●	●	●	●	●	●	●	L...H2
			$\Delta p = 10$ bar				H6	●	●	●	●	●	●	●	●	●	●	L...H6
		U = 12 V					U1	●	●	●	●	●	●	●	●	●	●	L...U1
		U = 24 V					U2	●	●	●	●	●	●	●	●	●	●	L...U2
	Pressure control			DR				●	●	●	●	●	●	●	●	●	●	DR
	with load sensing			DRS				●	●	●	●	●	●	●	●	●	●	DRS
	remote controlled			DRG				●	●	●	●	●	●	●	●	●	●	DRG
	for parallel operation			DRL				●	●	●	●	●	●	●	●	●	●	DRL
	Hydraulic control,		$\Delta p = 10$ bar	HD1				●	●	●	●	●	●	●	●	●	●	HD1
	pilot-pressure related	(positive characteristic)	$\Delta p = 25$ bar	HD2				●	●	●	●	●	●	●	●	●	●	HD2
		with pressure cut-off		D				●	●	●	●	●	●	●	●	●	●	HD.D
		with pressure cut-off, remote controlled		G					○	●	○	○	○	○	○	○	○	HD.G
Electric control		U = 12 V	EP1				●	●	●	●	●	●	●	●	●	●	EP1	
with proportional solenoid	(positive characteristic)	U = 24 V	EP2				●	●	●	●	●	●	●	●	●	●	EP2	
	with pressure cut-off		D				●	●	●	●	●	●	●	●	●	●	EP.D	
	with pressure cut-off, remote control		G					●	●	●	●	●	●	●	●	●	EP.G	

In case of controls with several additional functions, observe the order of the columns, only one option per column is possible (e.g. LRDCH2). The following combinations are not available for the power control: LRDS2, LRDS5, L...GS, L...GS2, L...GS5, L...EC and the combination L...DG in conjunction with the stroke limiters H1, H2, H5, H6, U1 and U2.

Ordering Code / Standard Program

A11V		O			/	1		-	N								
01	02	03	04	05		06	07	08		09	10	11	12	13	14	15	16

Swivel angle indicator (page 59)

40 60 75 95 **130** 145 190 260

14	without swivel angle indicator (no symbol)	●	●	●	●	●	●	●	●	
	with optical swivel angle indicator	●	-	●	●	●	●	●	●	V
	with electric swivel angle sensor	●	-	●	●	●	●	●	●	R

Connector for solenoids (page 60)

40 60 75 95 130 145 190 260

15	DEUTSCH connector molded, 2-pin – without suppressor diode	●	●	●	●	●	●	●	●	P
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Standard / special version

16	Standard version	without symbol	
		combined with attachment part or attachment pump	-K
	Special version		-S
		combined with attachment part or attachment pump	-SK

- 1) S-shaft suitable for combination pump!
- 2) To fit the flywheel case of the combustion engine
- 3) 2 \triangle 2-hole; 4 \triangle 4-hole
- 4) Size 190 and 260 with 2 + 4-hole flange

● = available ○ = on request - = not available □ = preferred program