

Регулируемые аксиально-поршневые насосы Rexroth A10VZO

01	02	03	04	05	06	07	08	09	10	11	12	13
A10V	Z	O		/	10	-	V		C		N00	

Axial piston unit

01	Swashplate design, variable	A10V
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Application area

02	Variable-speed drives	Z
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Operating mode

03	Pump, open circuit	O
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Size (NG)

04	Geometric displacement, see table of values on page 31	010	018	028	045	071	100	140	180
	Other available intermediate sizes	003, 006, 008							

Control device

05	Two-point control	electrical	U = 12 V	●	●	●	●	○	○	○	○	EZ300¹⁾
			U = 24 V	●	●	●	●	○	○	○	○	EZ400¹⁾
	Pressure controller	hydraulic	●	●	●	●	○	○	○	○	DR000	
			●	●	●	●	○	○	○	○	DRG00	
	Torque controller Beginning of control	Size 018 to 180										
		up to 50 bar	-	●	●	●	○	○	○	○	LA5D0	
		51 to 90 bar	-	●	●	●	○	○	○	○	LA6D0	
		91 to 160 bar	-	●	●	●	○	○	○	○	LA7D0	
		161 to 240 bar	-	●	●	●	○	○	○	○	LA8D0	
	over 240 bar	-	●	●	●	○	○	○	○	LA9D0		

Series

06	Series 1, index 0	10
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Direction of rotation²⁾

07	Viewed on drive shaft	clockwise	R
		counter-clockwise	L

Sealing material

08	FKM (fluoroelastomer)	V
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Drive shaft

09	Splined shaft ANSI B92.1a	Standard shaft	●	-	-	-	-	○	○	○	S
		similar to shaft "S" however for higher torque	-	●	●	●	○	-	-	-	R

Mounting flange

10	ISO 3019-1 (SAE)	2-hole	●	●	●	-	-	-	-	C
		4-hole	-	-	-	●	○	○	○	D

Notice

- ▶ Note the project planning notes on page 105.
- ▶ In addition to the type code, please specify the relevant technical data when placing your order.

- 1) Please specify mechanical flow control $V_{g \max}$ and $V_{g \min}$ in the order text.
- 2) Changing direction of rotation permissible with the same pressure side for decompression

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Working port³⁾

		003 to 010	018	028	045	071	100	140	180	
11	SAE flange ports at top and bottom, on opposite sides, metric fastening thread with universal through drive	-	-	-	-	o	o	o	o	22U⁵⁾
	SAE flange ports at top and bottom, on opposite sides, metric fastening thread	-	•	•	•	o	o	o	-	12³⁾⁵⁾
	DIN 3852 threaded ports at rear, not for through drive	•	-	-	-	-	-	-	-	14
	DIN 3852 threaded ports on opposite side, only for through drive	•	-	-	-	-	-	-	-	07

Through drive (for dimensions and mounting options, see page 95)

		003 to 010	018	028	045	071	100	140	180		
12	With through-drive shaft, without hub, without intermediate flange; fastening thread metric, with universal through drive, only port plate 22U	-	-	-	-	o	o	o	o	00⁴⁾⁵⁾	
	Without through drive, only port plates 12 and 14	•	•	•	•	o	o	o	o	N00	
Port plate 12 and 07											
Flange ISO 3019-1		Hub for splined shaft ⁶⁾									
Diameter	Mounting ⁷⁾	Diameter									
82-2 (A)	∅, ∞∞ 5/8 in	9T 16/32DP	•	•	•	•	-	-	-	-	K01
	∅, ∞∞ 3/4 in	11T 16/32DP	•	•	•	•	-	-	-	-	K52
101-2 (B)	∅, ∞∞ 7/8 in	13T 16/32DP	-	-	•	•	-	-	-	-	K68
	∅, ∞∞ 1 in	15T 16/32DP	-	-	-	•	-	-	-	-	K04
Port plate 22U											
Flange ISO 3019-1		Hub for splined shaft ⁶⁾									
Diameter		Diameter									
82-2 (A)	∅, ∅, ∞∞ 5/8 in	9T 16/32DP	-	-	-	-	o	o	o	o	01
	∅, ∅, ∞∞ 3/4 in	11T 16/32DP	-	-	-	-	o	o	o	o	52
101-2 (B)	∅, ∅, ∞∞ 7/8 in	13T 16/32DP	-	-	-	-	o	o	o	o	68
	∅, ∅, ∞∞ 1 in	15T 16/32DP	-	-	-	-	o	o	o	o	04
		1 1/4 in	14T 12/24DP	-	-	-	o	o	o	o	06
127-4 (C)	∅∅	1 in	15T 16/32DP	-	-	-	o	o	o	o	E2
	∅∅	1 1/4 in	14T 12/24DP	-	-	-	o	o	o	o	15
152-4 (D)	∅∅	1 1/2 in	17T 12/24DP	-	-	-	-	o	o	o	96
	∅∅	1 3/4 in	13T 8/16DP	-	-	-	-	-	o	o	17

Connector for solenoids

13	without, with hydraulic controllers	0
	HIRSCHMANN connector – without suppressor diode	H

• = Available o = On request - = Not available

3) A stepless mechanical flow control is only standard on version 12 N00 in sizes 018 to 140

$V_{g\ max}$: Setting range $V_{g\ max}$ to 50% $V_{g\ max}$ stepless

$V_{g\ min}$: Please specify setting range $V_{g\ min}$ to 40% $V_{g\ max}$ stepless, settings to be specified in plain text.

$V_{g\ max}$ and $V_{g\ min}$ limitations on through drives with port plates 12K.. and 22U.. can only be carried out via fixed set values, this should also be specified in plain text.

4) See data sheet 95581 universal through drive

5) When ordering sizes 071 to 180 with port plate 22, please order the relevant through drive "U"

Example: A10VZ0045DR000/10R-VSD22U01

When ordering sizes 018 to 045 with port plate 12, please order the relevant through drive with "K"

Example: A10VZ0018DR000/10R-VSD12K01

6) Splined shaft according to ANSI B92.1a (splined shafts according to SAE J744)

7) Mounting holes pattern viewed on through drive with control at top