

## Регулируемые аксиально-поршневые насосы Rexroth A1VO

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	
<b>A1V</b>	<b>0</b>				<b>2</b>		<b>0</b>	<b>/</b>	<b>10</b>			<b>V</b>				<b>00</b>	<b>-</b>	<b>0</b>
<b>Axial piston unit</b>																		
01	Swashplate design, variable, nominal pressure 250 bar, maximum pressure 280 bar																<b>A1V</b>	
<b>Operating mode</b>																		
02	Pump, open circuit																<b>0</b>	
<b>Size (NG)</b>																		
03	Geometric displacement, see technical data on page 7														<b>018</b>	<b>028</b>	<b>035</b>	
<b>Control device</b>																		
04	Pressure controller											<b>18</b>	<b>28</b>	<b>35</b>				
	Setting range 100 to 250 bar											•	•	•	<b>DR</b>			
	with load-sensing											•	•	•	<b>DRS0</b>			
	Setting range 20 to 100 bar											•	•	•	<b>DN</b>			
	with load-sensing											•	•	•	<b>DNS0</b>			
with override, electrically proportional, negative control																		
											$U = 12\text{ V}$	•	•	•	<b>D3</b>			
											$U = 24\text{ V}$	•	•	•	<b>D4</b>			
<b>Controller design and mounting</b>																		
05	Mounted (only possible with control valve D3 and D4)											•	•	•	<b>A</b>			
	Cartridge (only possible with control valve DR, DRS0, DN and DNS0)											•	•	•	<b>C</b>			
<b>Setting</b>																		
06	Adjustable																<b>2</b>	
<b>Connector for solenoids<sup>1)</sup> (see page 22)</b>																		
07	Without connector (without solenoid, only for hydraulic control)											•	•	•	<b>0</b>			
	DEUTSCH - molded connector, 2-pin, without suppressor diode											•	•	•	<b>P</b>			
<b>Additional function</b>																		
08	Without additional function																<b>0</b>	
<b>Series</b>																		
09	Series 1, index 0																<b>10</b>	
<b>Version of port and fastening threads</b>																		
10	Threaded ports according to ISO 11926-1 with O-ring seal (ANSI), Metric fastening thread according to DIN 13 on the through drive											•	•	•	<b>B</b>			
	Threaded ports, metric, according to ISO 6149-01 with O-ring seal, Metric fastening thread according to DIN 13 on the through drive											•	•	•	<b>M</b>			
<b>Direction of rotation</b>																		
11	Viewed on drive shaft																	
	clockwise											•	•	•	<b>R</b>			
counter-clockwise											•	•	•	<b>L</b>				
<b>Sealing material</b>																		
12	FKM (fluoroelastomer)																<b>V</b>	
<b>Mounting flange</b>																		
13	ISO 3019-1 (SAE J744)											<b>18</b>	<b>28</b>	<b>35</b>				
	82-2											•	•	-	<b>A2</b>			
	101-2											•	•	•	<b>B2</b>			
ISO 3019-2 (metric)																		
80-2											•	•	-	<b>K2</b>				

1) Connectors for other electric components may deviate

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	
<b>A1V</b>	<b>0</b>				<b>2</b>		<b>0</b>	<b>/</b>	<b>10</b>			<b>V</b>				<b>00</b>	<b>-</b>	<b>0</b>

Drive shaft (permissible input torque, see page 8)												18	28	35		
14	Splined shaft ANSI B92.1a (Bosch Rexroth recommends selecting the respectively larger drive shaft for through drive units)											3/4 in 11T 16/32DP	●	●	-	<b>S3</b>
												7/8 in 13T 16/32 DP <sup>2)</sup>	●	●	●	<b>S4</b>
												1 in 15T 16/32DP	-	-	●	<b>S5</b>
Parallel keyed shaft								ISO 3019-1 SAE		Ø 19-1		●	●	-	<b>K3</b>	
Through drive not permissible								ISO 3019-2 metric		Ø 20		●	●	-	<b>P3</b>	

Working port												18	28	35	
15	Threaded ports B and S, lateral, on opposite sides											●	●	●	<b>1</b>
	Threaded ports B and S, rear, not for through drive											●	●	○	<b>9</b>

Through drives (for mounting options, see page 20)												18	28	35	
16	Flange SAE J744				Hub for splined shaft <sup>3)</sup>										
	Diameter	Mounting <sup>4)</sup>	Designation	Diameter		Designation									
	Without through drive											●	●	●	<b>0000</b>
	82-2 (A)	○-○	A2	5/8 in	9T 16/32 DP	S2	●	●	●	<b>A2S2</b>					
3/4 in				11T 16/32 DP	S3	●	●	●	<b>A2S3</b>						
7/8 in				13T 16/32 DP	S4	●	●	●	<b>A2S4</b>						
	101-2 (B)	○-○	B2	7/8 in	13T 16/32 DP	S4	●	●	●	<b>B2S4</b>					
1 in				15T 16/32 DP	S5	-	-	●	<b>B2S5</b>						

Reduction of geometric displacement												
17	Without reduction											<b>00</b>

Standard/special version												
18	Standard version											<b>0</b>

● = Available    ○ = On request    - = Not available

**Notes**

Note the project planning notes on page 25.

2) For size 35, not for through drive  
 3) In accordance with ANSI B92.1a  
 4) Mounting holes pattern viewed on through drive with working port B on right.