Order code:

S	-	2	A	1	2	-	0	4	5	R
Axial piston pump SVP Series 2										
Ports: side, metric thread side, UNC thread rear, metric thread rear, UNC thread Tandem, Flange SAE A, Coupling SAE A, metric Tandem, Flange SAE A, Coupling SAE A, UNC Tandem, Flange SAE A, Coupling SAE A-B, metric Tandem, Flange SAE A, Coupling SAE A-B, UNC Tandem, Flange SAE B, Coupling SAE B, metric Tandem, Flange SAE B, Coupling SAE B, UNC Tandem, Flange SAE B, Coupling SAE B-B, metric Tandem, Flange SAE B, Coupling SAE B-B, UNC Tandem, Flange SAE B, Coupling SAE C, metric Tandem, Flange SAE B, Coupling SAE C, UNC Tandem, Flange SAE C, Coupling SAE C, metric Tandem, Flange SAE C, Coupling SAE C, UNC			**A** **B** **C** **D** **E** **F** **G** **H** **I** **K** **L** **M** **N** **O** **P** **R**							
Shaft: Spline, SAE standard Spline, SAE option Straight				**1** **3** **9**						
Control: Pressure coontrol Pressure flow control (Load-sensing) Torque limiter					**1** **2** **3**					
Size: 45 ccm 74 ccm							**0** **0**	**4** **7**	**5** **4**	
Rotation: right left										**R** **L**

Order example:

- Axial piston pump, size 45 cm³, side ported, metric thread, pressure control, right-hand rotation, shaft spline 1“
  S-2A11-045R

- Axial piston pump, size 74 cm³, rear ports, UNC thread, pressure flow control (Load-sensing), left-hand rotation, shaft spline 1 ¼“
  S-2D12-074L

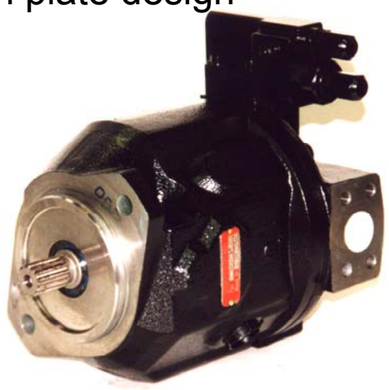
The specified data is for product description purposes only and may not be deemed to be guaranteed unless expressly confirmed in the contract.

07/2003

Hydraulic axial piston pump- swash plate design

SVP Series 2

- For mobile application
- Open circuit
- Working pressure 280 bar
- Mounting flanges according SAE



Displacement	45	74
Rotation		
Right-hand	●	●
Left-hand	●	●
Control		
Pressure control	●	●
Pressure flow control (Load-sensing)	●	●
Torque limiter	○	●
Shaft		
SAE 7/8“	○	
SAE 1“	●	
SAE 1 ¼ “		●
SAE 1 ½ “		○
Straight	○	○
Port orientation		
Side, metric thread	●	●
Side, UNC thread	●	●
Rear, metric thread	○	●
Rear, UNC thread	○	●
Tandem, metric thread	○	○
Tandem, UNC thread	○	○

●

SPITZNAS Maschinenfabrik GmbH, Fellerstr. 4, D-42555 Velbert, Germany
Tel.: +49 (0)2052 605-0 Fax.: +49 (0)2052 605-29
Email: vertrieb@spitznas.de Internet: www.spitznas.de

SPITZNAS

Technical Data:

Size			45	74
Max. Displacement (theor.)	$V_{g\,max}$	cm^3	45	74
Max. outlet pressure, cont.	p_n	bar	280	
Max. outlet pressure, peak	p_{max}	bar	350	
Max. speed @ $V_{g\,max}$, 1 bar abs	$n_{0\,max}$	$^1/_{min}$	2600	2200
Max. speed @ $V_{g\,max}$, 1,5 bar abs	$n_{1,5\,max}$	$^1/_{min}$	3000	2600
Max. flow @ $n_{0\,max}$	$Q_{0\,max}$	$^L/_{min}$	117	162
Max. flow @ 1500 $^1/_{min}$	Q_{1500}	$^L/_{min}$	67	111
Max. power (Δp = 280 bar), @ $n_{0\,max}$	$P_{0\,max}$	kW	55	76
Max. power (Δp = 280 bar), @ 1500 $^1/_{min}$	$P_{E\,max}$	kW	32	52
Weight (approx., without oil)		kg	< 23	< 34
Min. inlet pressure (abs.)	$p_{abs,\,min}$	bar	0,85	
Max. inlet pressure (abs.)	$p_{abs,\,max}$	bar	5	
Max. drain line pressure (abs.)	p_{Leck}	bar	2	
Operating temperature	T	°C	-10 ... +90	
Operating viscosity	ν_{opt}	mm²/s	16 – 32	
Viscosity limits, short-time	$\nu_{min/max}$	mm²/s	10 – 1000	
Contamination class			18/15 to ISO/DIS 4406 9 to NAS 1638	

(theoretical values, without considering η_{mh} and η_v; approximate values)

Description:

The SVP series hydraulic pumps made by Spitznas, are axial piston pumps of the swash plate type.

Flow is proportional to speed and displacement, which can be adjusted continously.

Wide range of applications with use of different control systems.

Other features:

- Short response time
- Long lifetime
- Wide speed range
- Low noise

Dimensions:

Size	45	74
Shaft		
SAE, standard	1“	1 ¼ “
SAE, option	7/8“	1 ½ “
Keyed parallel shaft DIN 6885	∅ 25	∅ 32
Mounting flange		
SAE 2-hole	101-2	127-2
Ports		
Inlet metric thread UNC thread	SAE 1 ½“ M12 ½ -13	
Outlet metric thread UNC thread	SAE 1“ M10 $^3/_8$-16	
Leakage metric thread UNC thread	M22 x 1,5 7/8“-14 UNF-2B	
Control valve metric thread UNC thread	M14 x 1,5 7/16“-20 UNF-2B	
Gauge	7/16“-20 UNF-2B	

Sealing (standard) : Viton, other material on request

Control settings (standard) : Pressure 280 bar

Flow Δp = 14 bar

Different settings on request.

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