



Rexroth Variable Axial Piston pumps A10VSO



Open circuit
 Size: 18...140
 Series: 31
 Nominal pressure 280 bar. Peak pressure 350 bar

Features:

- Axial piston pump A10SO, variable, in swashplate design for hydrostatic transmissions in open loop circuit
- Flow is proportional to drive speed and displacement. By adjusting the swashplate angle it is possible to infinitely vary the flow
- Mounting flange acc. to SAE J744
- Flanged ports acc. to SAE J518
- 2 case drain ports
- Good suction characteristics
- Permissible working pressure 280 bar
- Low noise level
- Long service life
- Axial and radial loading of drive shaft possible
- High power to weight ratio
- Wide range of controls
- Short response times
- Interchangeable with original Rexroth pump of the same model

H	A10V	SO	100	DR /	31	R -	P	P	A	12	NOO
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High speed version

Variable displacement pump

Swashplate design variable, open circuit

SO= industrial pump

O= mobile pump

Size: 18, 28, 45, 71, 100, 140

Control devices:

DR= pressure control

DRG= remote control

DFR= pressure and flow control

DFR1= orifice in X-channel closed

DFLR= pressure, flow and torque control

Series: 31

Direction of rotation:

R= clockwise.

L= anti-clockwise

Port type:

11, 12, 41, 42, 61, 62, 91, 92

Mounting flange:

A= ISO 2-bolt

B= ISO 4-bolt

C= SAE 2-bolt

D= SAE 4-bolt

Shaft end:

P= Metric parallel key

S= SAE spline

K= SAE parallel key

R= SAE spline through drive

U= SAE spline

Seals:

P=NBR (Nitrile rubber)

V=FKM (Fluoro rubber)

Through drive:

NOO=without through drive

With through drive*:

K01= mounting flange: 82-2(A). Shaft/coupling: 16-4(A)

K52= mounting flange: 82-2(A). Shaft/coupling: 19-4(A-B)

K02= mounting flange: 101-2(B). Shaft/coupling: 22-4(B)

K68= mounting flange: 101-2(B). Shaft/coupling: 22-4(B)

K04= mounting flange: 101-2(B). Shaft/coupling: 25-4(B-B)

K07= mounting flange: 127-2(C). Shaft/coupling: 32-4(C)

K24= mounting flange: 127-2(C). Shaft/coupling: 38-4(C-C)

K17= mounting flange: 152-4(D). Shaft/coupling: 44-4(D)

*Flange acc. to ISO 3019-1. Coupling for splined shaft acc. to SAE J744

For more information and technical data, please contact us.