



Rexroth A10VO & A10VSO Variable Axial Piston pumps



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	N00
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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

