

# Axial Piston Compact Unit

## Model AA4CSG

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Closed loop circuit

Sizes 250 ... 750

Series 3

Nominal pressure 5100 PSI

Peak pressure 5800 PSI

- Axial piston pump-variable displacement, swashplate design for hydrostatic drives in closed circuits
- The flow is proportional in input speed and displacement. It can be infinitely varied by adjustment of the swashplate
- The necessary boostpump and all required control valves are integrated
- One common auxiliary pump for boost and EP-control pressure
- Compact design (short in length)



- Favorable power to weight ratio
- Low noise level
- Long service life
- High efficiency
- New electro-hydr. control EP with proportional solenoid

### Ordering Code

|  |      |   |  |   |    |   |   |  |  |
|--|------|---|--|---|----|---|---|--|--|
|  | A4CS | G |  | / | 30 | - | V |  |  |
|--|------|---|--|---|----|---|---|--|--|

#### Version

SAE version (250 & 355) = A

Metric version (500 & 750)

#### Axial piston unit

Compact unit, swashplate design, variable displ. = A4CS

#### Type of operation

Pump, closed circuit = G

#### Size

|                          | 250   | 355   | 500   | 750   |
|--------------------------|-------|-------|-------|-------|
| Displ. $V_g$ max         |       |       |       |       |
| $\text{in}^3/\text{rev}$ | 15.26 | 21.66 | 30.51 | 45.77 |
| $\text{cm}^3/\text{rev}$ | (250) | (355) | (500) | (750) |

#### Control devices and adjustment devices

Hydr. control, pilot press. dep. (355 & 500) = HD

Electro-Hydr. control/prop. sol. = EP

#### Series

= 30

#### Direction of rotation

Viewing at shaft end clockwise = R

counter-clockwise = L

#### Seals

FKM (Fluorcarbon rubber)

= V

#### Shaft end

SAE parallel keyed shaft

250 355 500 750

• • - - = K

SAE splined shaft

• - - - = S

SAE splined shaft with run out spline

- • - - = R

Metric keyed parallel shaft DIN 6885

- - • • = P

Metric splined shaft DIN 5480

- - • • = Z

#### Mounting flange

4-bolt to SAE J744 (ISO 3019-1)

250 355 500 750

• • - - = D

8-hole to ISO 3019-2

- - • • = H

- = not available • = available

See Bosch Rexroth catalog RA 92 105 for remaining codes