

Variable displacement axial piston pumps

TVP series

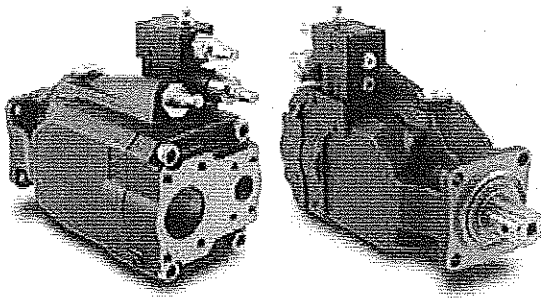
Variable displacement axial piston pumps swash plate design ideally suited for open circuit truck applications.

The compact design allows to be mounted directly on the PTOs.

Displacements from 60,0 cm³/rev ▪ 3.66 in³/rev to 84,7 cm³/rev ▪ 5.17 in³/rev.

Max. peak pressure up to 400 bar ▪ 5800 psi.

Max. speed up to 3000 min⁻¹.



Main characteristics

TVP	Max displacement	Max. continuous pressure	Max. speed
	cm ³ /rev ▪ in ³ /rev	bar ▪ psi	min ⁻¹
TVP 60.60	60,00 ▪ 3.66	350 ▪ 5100	3000
TVP 60.72	72,00 ▪ 4.39	350 ▪ 5100	2700
TVP 60.84	84,70 ▪ 5.17	350 ▪ 5100	2500

Features

- Pump internal drain line
- Compensators external drain line
- Direct mounting on the PTOs
- Body width 124,2 mm (4.8898 in)
- Compact design
- Low noise emission

Controls

- Min. and max. displacement limiter
- Flow and pressure compensator (Load-Sensing)
- Electro-proportional pressure compensator

MVP and MVPD series

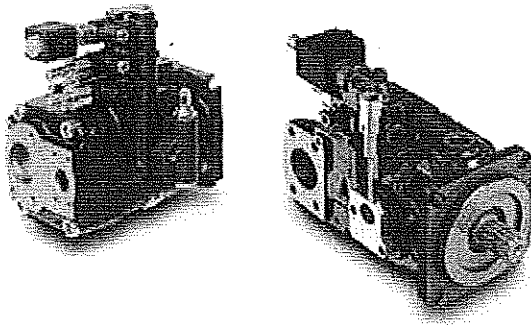
Variable displacement axial piston pumps swash plate design ideally suited for open circuit in mobile hydraulic applications. The compact design allows to be mounted directly on engine motors.

The new "MVPD" series allow higher flow rates than traditional pumps with same dimensions, higher machine speeds without affecting the design of the hydraulic system and a high power-to-dimensions ratio.

Displacements from 28 cm³/rev ▪ 1.74 in³/rev to 84,7 cm³/rev ▪ 5.17 in³/rev.

Max. peak pressure up to 350 bar ▪ 5100 psi.

Max. speed up to 3700 min⁻¹.


Main characteristics

MVP	Max displacement		Max. continuous pressure		Max. speed min ⁻¹
	cm ³ /rev	in ³ /rev	bar	psi	
MVP 30.28	28,00	▪ 1.74	280	▪ 4050	3500
MVP 30.34	34,80	▪ 2.12	250	▪ 3600	2900
MVP 48.45	45,00	▪ 2.75	280	▪ 4050	3000
MVP 48.53	53,70	▪ 3.28	250	▪ 3600	2500
MVP 60.60	60,00	▪ 3.66	280	▪ 4050	3000
MVP 60.72	72,00	▪ 4.39	280	▪ 4050	2700
MVP 60.84	84,70	▪ 5.17	250	▪ 3600	2500

MVPD	cm ³ /rev		bar		min ⁻¹
	cm ³ /rev	in ³ /rev	bar	psi	
MVPD 30.34	34,00	▪ 2.07	230	▪ 3350	3700
MVPD 30.45	45,80	▪ 2.75	230	▪ 3350	3500
MVPD 48.60	60,00	▪ 3.66	230	▪ 3350	2800
MVPD 48.65	65,00	▪ 3.97	230	▪ 3350	2800

Features

- ‡ Exceptional working life expectancy
- ‡ Low noise emission
- ‡ Drive shaft bearing suitable for radial and axial loads
- ‡ Multiple combinations
- ‡ Short response time

MVPD additional features

- ‡ Higher speed
- ‡ Higher power-to-weight ratio
- ‡ Cost-optimized design

Controls

- ‡ Min. and max. displacement limiter
- ‡ Pressure compensator
- ‡ Flow and pressure compensator (Load-Sensing)
- ‡ Torque limiter
- ‡ Electronic controls