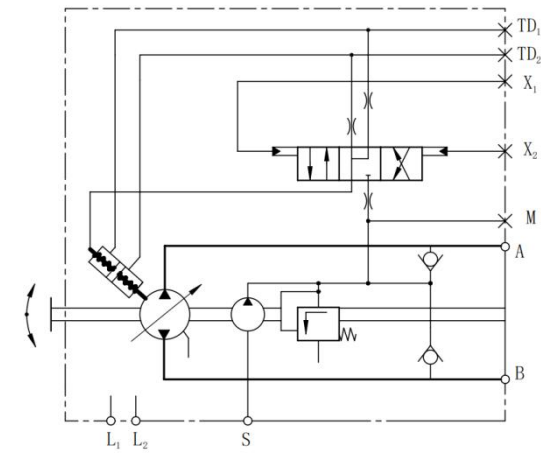
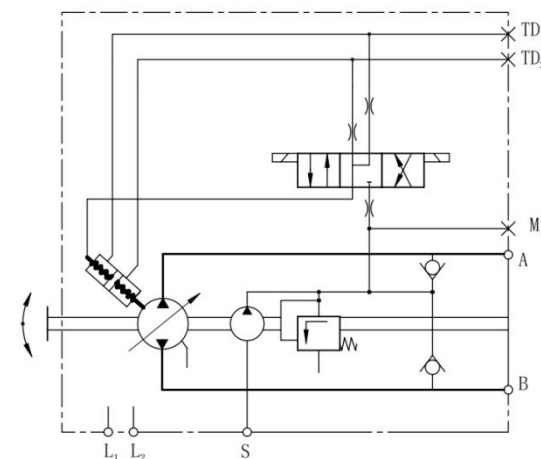
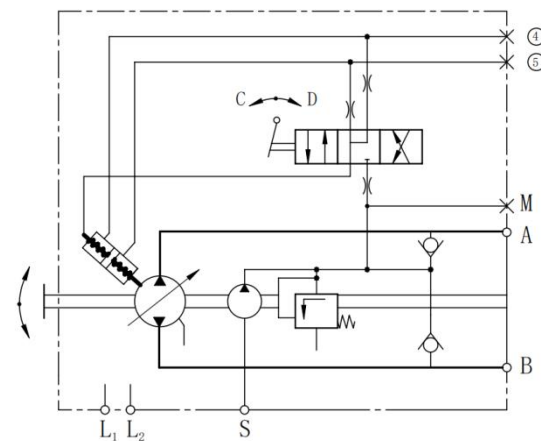
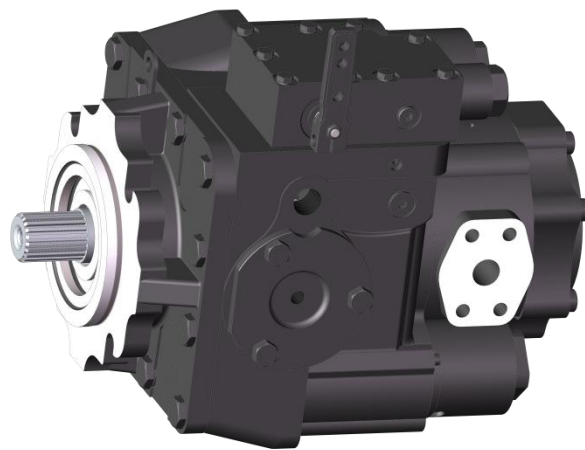




HPV series closed axial piston pump



Technical Parameter

Rated displacement	Maximum displacement	ml/r	30	50	70	90	110	130
			33.3	51.6	69.8	90.5	110.8	130
speed	Maximum continuous operating speed (Full load condition)	r/min	3500	3500	3200	3000	2900	2700
	rated speed	r/min	2500					
	Minimum continuous operating speed	r/min	500					
pressure	Rated working pressure	Mpa	35					
	Maximum working pressure (instantaneous)	Mpa	42					
	Continuous working pressure (ΔP)	Mpa	30					
	Allowable shell pressure (absolute)	Mpa	Constant0.25, Peak value0.5					
Torque	Continuous output torque (Under continuous work pressure)	Nm	162.3	252.3	342.6	432.9	535.3	632.4
	Maximum output torque	Nm	227	353	480	606	749	885
power	Continuous Power	KW	41	72	98	128	137	162
	maximum power	KW	57	87	105	138	159	188
temperature	Allowable temperature of shell	℃	80					
	Maximum operating temperature of fuel tank	℃	70					
angle	Maximum inclination angle of the inclined plate	°	$\pm 18^\circ$					
weight	HPV series hydraulic pump Hydraulic oil drainage	kg	45	46	63	64	87	87.5

Model Selection Table

1	2	3	4	5	6
HPV	XX	XX	X	XX	XX

- HPV series closed axial piston pump
- displacement
30-33.3ml/r 50-51.6ml/r 70-69.8ml/r
90-90.5ml/r 110-110.8ml/r 130-130ml/r
- control mode
MA-Manual servo control
EP-Electric Propportional servo control
HS-Hydraulic servo control
- Direction of rotation
R-clockwise
L-anticlockwise
- Input shaft

		30	50	70	90	110	130
21	21teeth, 16/32 pitch diameter	●	●	●	○		
23	23teeth, 16/32 pitch diameter			○	●	●	●
14	14teeth, 12/24 pitch diameter	○	○	○	○		
Z	axis of a cone, 1-20 UNEF	○	○	○	○	○	○

6、Auxiliary mounting flange

		30	50	70	90	110	130
AD	SAE A(spline sleeve: 9Tooth, 16/32Pitch)	○	○	○	○	○	○
BG	SAE B(spline sleeve:13Tooth, 16/32Pitch)	○	○	○	○	○	○
BB	SAE B(spline sleeve:15Tooth, 16/32Pitch)	○	○	○	○	○	○
/	No Auxiliary Mounting Flange	●	●	●	●	●	●

symbol: ●-STANDARD OPTIONS ○-Optional items