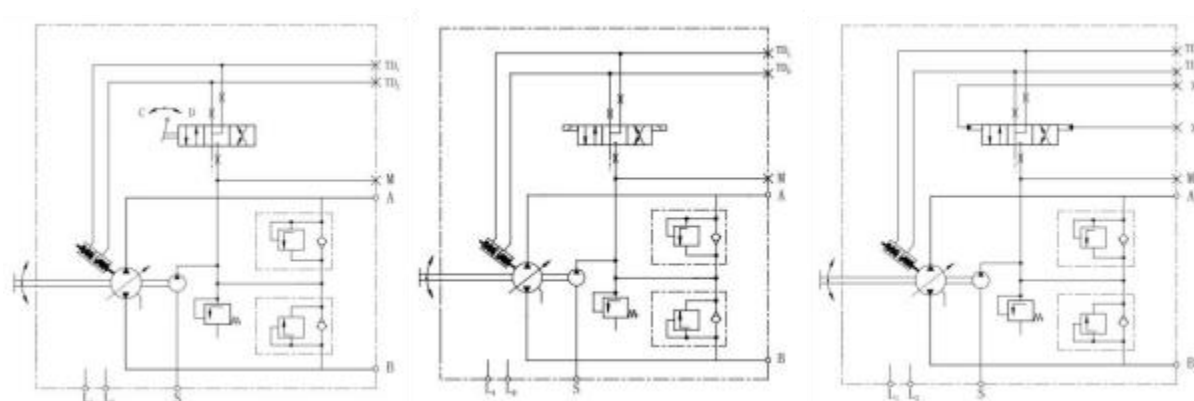




LPV series closed axial piston pump



Technical Parameter

Rated displacement			30	50	70	90	110	130	160	180	200
	Maximum displacement	ml/r	33.3	51.6	69.8	90.5	110.8	130	160	180	200
speed	Maximum continuous operating speed (Full load condition)	r/min	3500	3500	3200	3000	2900	2700	2400	2400	2400
	rated speed	r/min	2500						2200		
	Minimum continuous operating speed	r/min	500								
pressure	Rated working pressure	Mpa	35								
	Maximum working pressure (instantaneous)	Mpa	42								
	Continuous working pressure (Δ P)	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	776	875	972
	Maximum output torque	Nm	227	353	480	606	749	885	1000	1098	1200
power	Continuous Power	KW	41	72	98	128	137	162	191	224	279
	maximum power	KW	57	87	105	138	159	188	292	307	318
temperature	Allowable temperature of shell	℃	80								
	Maximum operating temperature of fuel tank	℃	70								
angle	Maximum inclination angle of the inclined plate	°	± 18°								
weight	LPV series hydraulic pump Hydraulic oil drainage	kg	44	45	62.5	63.5	71	96	98	140	144

Model Selection Table

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

1、LPV series closed axial piston pump

2、displacement

30-33.3ml/r	50-51.6ml/r	70-69.8ml/r
90-90.5ml/r	110-110.8ml/r	130-130ml/r
160-160ml/r	180-180ml/r	200-200ml/r

3、control mode

MA-Manual servo control
EP-Electric Propprtional servo control
HS-Hydraulic servo control

4、Direction of rotation

R-clockwise
L-anticlockwise

5、Input shaft

		30	50	70	90	110	130	160	180	200
21	21teeth, 16/32 pitch diameter	●	●	○	○					
23	23teeth, 16/32 pitch diameter			●	●	●				
27	27teeth, 16/32 pitch diameter						○	○	○	○
14	14teeth, 12/24 pitch diameter	○	○	○	○	○				
13	13teeth, 8/16 pitch diameter					○	●	●	●	●

6、Auxiliary mounting flange

		30	50	70	90	110	130	160	180	200
AD	SAE A(spline sleeve: 9Tooth, 16/32Pitch)	○	○	○	○	○	○	○	○	○
BG	SAE B(spline sleeve:13Tooth, 16/32Pitch)	○	○	○	○	○	○	○	○	○
BB	SAE B(spline sleeve:15Tooth, 16/32Pitch)	○	○	○	○	○	○	○	○	○
NN	No Auxiliary Mounting Flange	●	●	●	●	●	●	●	●	●

symbol: ●-STANDARD OPTIONS ○-Optional items