

Bonny Hydraulic Motor

[Axial piston hydraulic motor, Manufacturer, Supplier, Factory, Exporter in china](#)



[A6V Series Bent Axis Hydraulic Motor](#)

Rexroth Hydraulic Motor Model A6VE Series
Replace for Rexroth A6VE Series hydraulic motor
Displacement 107cc - 250cc/rev The hydraulic motor A6VE, axial tapered piston bent-axis design, suitable for hydrostatic drives in open and closed circuits. It is widely applied in mobile and industrial applications. Output speed depends on the flow capacity of the pump and the displacement of the motor. The torque increases with the pressure differential between the high and low pressure side and with increasing displacement. And it can be completely interchanged with Rexroth A6VE series hydraulic motor. Features: 1. Plug-in motor, preferably for installation in mechanical gearboxes 2. Wide control range (can be swiveled over zero), high speeds and high torque 3. Option: Integrated or built-on flushing and boost pressure valves 4. Counterbalance valve integrated into the port plate (A6VE), sizes 107 - 250 5. Totally interchangeable with original Rexroth A6VE series Hydraulic Motor Size A6VE 107 160 250 Swept volume V_g max cm³ 107 160 250 Swept volume $V_{g,1}$ cm³ 68 101 190 Speed 1) at V_g max nmax rpm 3550 3100 2700 at $V_g < V_{g,1}$ nmax rpm 5600 4900 3600 Flow at nmax q_{Vmax} l/min 380 496 675 Torque $p = 350$ bar T_{max} Nm - - 1391 $p = 400$ bar T_{max} Nm 681 1019 - Weight (approx.) m kg 47 64 90 1)0 Maintaining q_V max



[A6V Series piston motor](#)

Model A6V Series Replace for Rexroth A6Vm Series hydraulic motor Displacement 28cc - 1000cc/rev This series of bent axial piston hydraulic motor has a compact and small volume, low weight, high pressure, widely speed and high starting efficiency. It is widely applied in engineering machine, crane and transport machine, shipping, mining, metallurgy, machine tool

etc. Features

1. Adopt axial piston oil distributing, compact volume, high pressure and speed.
2. Using sphere oil distributing, High volume and working efficiency.
3. Adjustable displacement, enhancing the output speed at small angle.
4. Reversible rotating orientation, radial and axial load available.
5. Can be using as a pump in some close system.
6. Complete interchange with Rexroth A6VM series bent axial piston hydraulic motor on performance and dimensions.

Size	A6VM	28	55	80	107	140	160	200	250	355	500	1000			
Swept volume	Vg	max	cm ³	28,1	54,8	80	107	140	160	200	250	355	500	1000	
Swept volume	Vg,1	cm ³	18	35	51	68	88	101	126	190	270	385	762		
Speed at Vg max	nmax	rpm	5550	4450	3900	3550	3250	3100	2900	2700	2240	2000	1600		
Speed at Vg < Vg,1	nmax	rpm	8750	7000	6150	5600	5150	4900	4600	3600	2950	2650	2100		
Flow at nmax	qVmax	l/min	156	244	312	380	455	496	580	675	795	1000	1600		
Torque p = 350 bar	Tmax	Nm	-	-	-	-	-	-	-	-	-	-	1391	1978	2785
Torque p = 400 bar	Tmax	Nm	179	349	509	681	891	1019	1273	-	-	-	-	-	-

[Replace Rexroth A2FE Series Hydraulic Motor](#)

Model A2FE Series Replace for Rexroth A2FE Series hydraulic motor Displacement 28cc - 355cc/rev Speed 0-6300rpm Bonny Hydraulics is supplying several kinds of replacement hydraulic axial piston pumps or motors for Rexroth, Vickers and Kawasaki. All of these motors are completely news on casting housing and spare parts inside. However, we do very strict tests in our company before shipment. So these motors are not only the same on dimensions of original hydraulic motor, but also are the same performance with original ones. Features:

1. Counterbalance valve can be fitted
2. Option: Integrated pressure relief valve
3. Option: Integrated or built-on flushing and boost pressure valves
4. Suitable for use as pump in closed circuits
5. Long-life bearings available (sizes 250 - 355)
6. Totally interchangeable with original Rexroth A2FE series Hydraulic Motor

Size	A2FE	28	32	45	56	63	80	90	107	125
Swept volume	Vg	cm ³	28,1	32	45,6	56,1	63	80,4	90	



106,7 125 Speed 1) nmax rpm 6300 6300 5600 5000
 5000 4500 4500 4000 4000 Flow at nmax qVmax
 l/min 176 201 255 280 315 360 405 427 500 Torque
 p=400bar Tmax Nm 178 204 290 356 400 508 572 680
 796 Weight (approx.) m kg 9,5 9,5 13,5 18 18 23
 23 32 32 Size A2FE 160 180 250 355 Swept volume
 Vg cm3 160,4 180 250 355 Speed 1) nmax rpm 3600
 3600 2700 2240 Flow at nmax qVmax l/min 577 648
 675 795 Torque p=350bar Tmax Nm - - 1393 1978
 p=400bar Tmax Nm 1016 1144 - - Weight (approx.)
 m kg 45 45 73 110

[Replace Rexroth A2FM Series Hydraulic Motor](#)

Model A2FM Series Replace for Rexroth A2FM
 Series hydraulic motor Displacement 5cc -
 1000cc/rev Speed 0 - 10000rpm This fixed axial
 displacement piston motor A2FM, bent axis
 design, suitable for hydrostatic drives in open
 and closed circuits. It is widely applied in
 mobile and industrial applications .Output speed
 depends on the flow capacity of the pump and the
 displacement of the motor. The torque increase
 with the pressure differential between the high
 and low pressure side and with increasing
 displacement. And it can be completely
 interchanged with Rexroth A2FM series hydraulic
 motor. Features: 1. Counterbalance valve can be
 fitted 2. Option: Integrated pressure relief
 valve 3. Option: Integrated or built - on
 flushing and boost pressure valves 4. Suitable
 for use as pump in closed circuits 5. Long -
 life bearings available (sizes 250 - 1000) 6.
 Totally interchangeable with original Rexroth
 A2FM series Hydraulic Motor Size A2FM 5 10 12 16
 23 28 32 45 56 63 80 Swept volume Vg cm3 4,93
 10,3 12 16 22,9 28,1 32 45,6 56,1 63 80,4 Speed
 1) nmax rpm 10000 8000 8000 8000 6300 6300 6300
 5600 5000 5000 4500 Flow at nmax qVmax l/min 49
 82 96 128 144 176 201 255 280 315 360 Torque
 p=315bar Tmax Nm 24,7 - - - - - - - - -
 p=400bar Tmax Nm - 65 76 100 144 178 204 290 356
 400 508 Weight (approx.) m kg 2,5 5,4 5,4 5,4
 9,5 9,5 9,5 13,5 18 18 23 Size A2FM 90 107 125
 160 180 200 250 355 500 710 1000 Swept volume Vg
 cm3 90 106,7 125 160,4 180 200 250 355 500 710



1000	Speed	1)	nmax	rpm	4500	4000	4000	3600	3600
2750	2700	2240	2000	1600	1600	Flow at	nmax	qVmax	
1/min	405	427	500	577	648	550	675	795	1000
1600	Torque	p=350bar	Tmax	Nm	-	-	-	-	1393
1978	2785	3955	5570	p=400bar	Tmax	Nm	572	680	796
1016	1144	1272	-	-	-	-	Weight (approx.)	m	kg
23	32	32	45	45	66	73	110	155	325
								336	

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