

# A2FM Rexroth Bent Axis Piston Motor A2FM28 A2FM32 A2FM45 A2FM63 A2FM80 A2FM90 A2FM125

#### **Basic Information**

• Place of Origin: Guangdong, China

Brand Name: HALCYON

Model Number: A2FM28 A2FM32 A2FM45 A2FM63 A2FM80

A2FM90 A2FM125 A2FM

Minimum Order Quantity: 2 piecesPrice: Negotiable

• Packaging Details: Wooden Box + Pallet

 Delivery Time: In Stock: 1-3 day(s); Out of Stock: Customization time depend on specific

circumstances

Payment Terms:
 L/C, D/A, D/P, T/T, Western Union,

MoneyGram

• Supply Ability: 900 pieces per month



#### **Product Specification**

• Condition: New

Application: MachineryVideo Outgoing-inspection: ProvidedWarranty: 1 Year

After Warranty: Online Support, Video Technical Support

Machinery Test Report: Provided

Color: Customer's Requirement

• OEM: Support

• Highlight: rexroth axial piston motor A2FM28,

A2FM hydraulic bent axis piston motor, A2FM63 bent axis hydraulic motor



#### More Images







						tolerand								
Size				15	10	12	16	23	28	32	45	56	43	80
Displaceme	re	V.	cm <sup>2</sup>	4,92	10,3	12	15	22,9	20,1	32	45,6	56,1	63	80,4
Max. speed		New	rpm	10000	8000	8000	6000	6300	6000	6000	5600	5000	5000	4500
		Onerine?	rpm	11000	8800	8800	6000	6900	6900	6900	6000	5500	5500	5000
Max. Sow		@ine	L/min	49	82	95	128	144	176	201	255	250	315	360
Torque at	Ap = 352 bar		Nes	247 7	57	67	68	126	156	178	254	312	350	445
	Ag = 400 bar	T	Nin	-	65	76	100	144	170	204	290	356	400	508
Rotary stiffness		0	Nm/rsd	605	922	1250	1590	2550	2930	3129	4180	5940	6250	8700
Moment of inertia for retary group		Itur	kgm <sup>2</sup>	0,00000	5-2,0004	0,0004	0,0004	0,0013	0,0012	0,0012	0,0034	0,0042	0,0043	0,000
Angular acceleration maximum		a.	radis <sup>2</sup>	5000	5000	5000	5000	6500	6500	6500	14600	7500	7500	6000
Filing capacity V		V	L.		0,17	0,17		0:20	0,20	0,20	0.33	0,45	0,45	0,66
Mass (appr	m)	ж.	kg	2,5	5.4	5,4	5,4	9,5	9,5	9,5	13,6	18	18	23
				Local			MO	100						
Size				90	107	125	160 A		200	250	355	500	710	1000
Displaceme Max. scend		V <sub>2</sub>	on <sup>3</sup>	4500	4000	125	7600	100	2750	250	9943	9000		
Max. speed		Once .	rpm			4000							1600	1600
		Comment ?	rpm	8000	4400	4400	4000	4000	3000				1116	
Man. flow		- Provi	Limin	405	427	500	577	648	550	675	795	1000		1600
Torque at	Ap = 350 har		No.	501	595	697	889	1006	1114	1393	1978		2955	55%
	Δp = 400 bar			572	600	796	1016	1164	1272		-	-		
Rotary stiffe		c	Nn/rad	9140	11200	11900	17400		57900		96100		270000	12243
Moment of inertia for rotary group		Ine	kg m²	6,0072	0,0116	0,0116	0,0220	0,0220	0,0353	0,061	0,002	0.23	0,55	0,55
Angular acceleration maximum		a.	$radh^2$	6000	4500	4500	3500	2500	11000	10000	8900	5500	4300	4000
Fiting capa	sity	V	L	0.55	0.8	0,8	U	U	2,7	2,5	3,5	4,2		8
Mass (approx.)			No.	23									325	

## Product Description



## **Product Description**

A2FM28 A2FM32 A2FM45 A2FM63 A2FM80 A2FM90 A2FM125 A2FM Rexroth Bent Axis Hydraulic Piston Motor



#### Technical Data

Table of values (theoretical values, without efficiency and tolerances; values rounded)

Size			5	10	12	16	23	28	32	45	56	63	80	
Displacement V		V <sub>a</sub>	cm <sup>3</sup>	4,93	10,3	12	16	22,9	28,1	32	45,6	56,1	63	80,4
_		n <sub>max</sub>	rpm	10000	8000	8000	8000	6300	6300	6300	5600	5000	5000	4500
		n <sub>max limit</sub> 1)	rpm	11000	8800	8800	8800	6900	6900	6900	6200	5500	5500	5000
Max. flow		Qv max	L/min	49	82	96	128	144	176	201	255	280	315	360
Torque at	$\Delta p = 350  \text{bar}$	T	Nm	24,7 2)	57	67	88	126	156	178	254	312	350	445
	$\Delta p = 400 \text{ bar}$		Nm	-	65	76	100	144	178	204	290	356	400	508
Rotary stiffness		С	Nm/rad	625	922	1250	1590	2560	2930	3120	4180	5940	6250	8730
Moment of inertia for rotary group		J <sub>TW</sub>	kgm²	0,00006	0,0004	0,0004	0,0004	0,0012	0,0012	0,0012	0,0024	0,0042	0,0042	0,0072
Angular acceleration maximum		α	rad/s <sup>2</sup>	5000	5000	5000	5000	6500	6500	6500	14600	7500	7500	6000
Filling capacity		٧	L		0,17	0,17	0,17	0,20	0,20	0,20	0,33	0,45	0,45	0,55
Mass (approx.) m		m	kg	2,5	5,4	5,4	5,4	9,5	9,5	9,5	13,5	18	18	23

Size				90	107	125	160	180	200	250	355	500	710	1000
Displaceme	ent	V <sub>g</sub>	cm <sup>3</sup>	90	106,7	125	160,4	180	200	250	355	500	710	1000
Max. speed	1	n <sub>max</sub>	rpm	4500	4000	4000	3600	3600	2750	2700	2240	2000	1600	1600
		n <sub>max limit</sub> 1)	rpm	5000	4400	4400	4000	4000	3000	-	-	-	-	-
Max. flow		qv <sub>max</sub>	Umin	405	427	500	577	648	550	675	795	1000	1136	1600
Torque at	$\Delta p = 350 \text{ bar}$	T	Nm	501	595	697	889	1001	1114	1393	1978	2785	3955	5570
	$\Delta p = 400 \text{ bar}$	T	Nm	572	680	796	1016	1144	1272	-	-	-	_	-
Rotary stiffs	ness	С	Nm/rad	9140	11200	11900	17400	18200	57300	73100	96100	144000	270000	324000
Moment of inertia for rotary group		J <sub>TW</sub>	kgm²	0,0072	0,0116	0,0116	0,0220	0,0220	0,0353	0,061	0,102	0,178	0,55	0,55
Angular acc	celeration	α	rad/s <sup>2</sup>	6000	4500	4500	3500	3500	11000	10000	8300	5500	4300	4000
Filling capacity		V	L	0,55	0,8	8,0	1,1	1,1	2,7	2,5	3,5	4,2	8	8
Mass (approx.)		m	kg	23	32	32	45	45	66	73	110	155	325	336

#### Looking for more?

We can offer perfect interchangeable replacements of many world's renowned brands including Rexroth, Eaton, Parkers, Kawasaki, Tokimeot, Sauer-danfoss, Komatsu and so on. Check below Models that we commonly offer:

<b>Brand Name</b>	Model Number (If you can't find what you want, please contact
	for help) A10VSO10/18/28/45/60/63/71/85/100/140
	A2F12/23/28/55/80/107/160/200/225/250/350/500/1000
	A4VSO40/45/50/56/71/125/180/250/355/500/750/1000
	A7VO28/55/80/107/160/200/250/355/500
	A6VM28/55/80/107/140/160/200/250/355/500/1000
Rexroth	A7V12/28/55/80/107/160/200/225/250/355/500
	A11V40/60/75/95/130/145/160/190/200/210/260
	A10VG18/28/45/63
	A4VG28/40/56/71/90/125/180/250
	A15VSO175/210/280
	AP2D25/36
	K3V63/112/140/180/280DT
	K3SP36/K7SP36/K7V63
1/414/404/4	K5V80/140/160/180/200
KAWASAKI	M2X22/45/55/63/96/120/128/146/150/170/210 SWING
	M5X130/180 SWING
	GM18/35VL/35VA
	HPV 90/95/132/140/165
	PC30/40/45/60-3/5
	PC60-7 PC200-3/5 PC220-6/7 PC200-6/7 PC300-6/7 PC360-
KOMATSU	PC400-7
	PC200-6/7/8, PC360-7
	SBS80/120/140 CAT312C/320C/325C
	CAT320 (AP-12)
CAT	CAT12G/14G/16G/120G/140G
0/11	SPK10/10(E200B) SPV10/10(MS180)
	EATON 3331/4621(4631)/5421 (5431)/6423/7620(7621)
EATON	
EATON	PVE19/21 TA19
	PVH45/57/74/98/131/141
TOSHIBA	PVB92
TOOTHER	SG02/04/08/12/15/17/20/25 SWING
NABTESCO	GM03/05/06/07/08/09/10/17/18/20/23
TRAVEL	GM03/05/06/07/08/09/10/17/18/20/23/24/28/35/38VL
HAVEL	GM35VA
YUKEN	A10/16/22/37/40/45/56/70/90/100/125/145/220
PAKER	PV16/20/23/28/32/40/46/63/80/92/140/180/270
HITACHI	HPV091/102/116/118/145
	PV90R30/42/55/75/100/130/180/250
SAUER	PV20/21/22/23/24/25/26/27
	MPV025/035/044/046 MPT025/035/044/046



**Company Profile** 

## **FACTORY**

### **GUANGZHOU HALCYON-HYDRAULIC CO. LTD**







#### **ABOUT US**

Guangzhou Halcyon-Hydraulic Co. Ltd was founded in 2010 and is located in Guangzhou National High-tech Development Zone. Our main business is to develop and manufacture high pressure piston pumps, motors, spare parts,integrated products of hydraulic system, and equipments repairing and remanufacturing. The company has passed IS09001 quality certification, and has been awarded as "Contract and Trust worthy Enterprise" and "Guangdong High-tech Enterprise".



## GUANGZHOU HALCYON

### GLANCE AT THE WORKSHOP













## Material Machining Inspecting



Assembling



**Testing** 



shipping

#### **OUR ADVANTAGES**

- Expertise in R&D and Design: Over 20 years of experience in the research, development, and design of high-pressure piston pumps and motors.
- Manufacturing Excellence: More than 13 years in factory manufacturing, contributing to high standards and quality production.
- **Standard Development:** Active participation in the development of the Chinese national standard for hydraulic pumps.
- Patent Portfolio: Possession of 19 utility model patents and 5 invention patents, showcasing our innovative capabilities.
- Cost-Effective Production: Our real factory setup ensures cost-effective production and competitive pricing for high-quality products.
- **Customization and ODM Services:** Strong capabilities in offering customized services and excellent Original Design Manufacturing (ODM) to meet various client needs.
- Industry Collaboration: Extensive experience in manufacturing specialized hydraulic pumps and motors for major machinery manufacturers like XCMG

#### **CERTIFICATE**













#### STANDARD PACKING WAY

#### Wooden Box

#### Warehouse For Shipping



















#### **Exhibition & Clients**





















### **FAQ**

#### Q1. Why choose us?

A. More than 20 years of experience in hydraulic parts design and 14 years of experience in manufacturing branded quality of piston pumps and motors. As a reputed factory supplier, We have many modern production machines and testing equipment,

as well as a strict and renowned quality management system. Welcome ODM/OEM inquiry with high quality demand.

#### Q2. Can I customize the product?

A. Abosolutely. Actually customizing service according to drawing or request, is the most advantage and big difference between HALCYON and common suppliers. We have excellent technical precipitation and mature production process in hydraulic industry.

#### Q3. Can I have free samples?

A. Usually no, but negotiable according to different products and orders.

#### Q4. What's the delivery time?

A. 10-60 days after payment, according to different products and orders.

#### Q5.How to order?

A. Inquiry  $\rightarrow$  Quotation  $\rightarrow$  Negotiation  $\rightarrow$  Samples  $\rightarrow$  PO/PI  $\rightarrow$ Down payment  $\rightarrow$  Mass production

 $\rightarrow \text{Quality inspection} \rightarrow \text{Book Space} \rightarrow \text{Balance/Delivery} \rightarrow \text{Further}.$ 



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