

Size	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Water demand	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49																																																			

Product Description



HALCYON

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_g	cm ³	4,93	10,3	12	16	22,9	28,1	32	45,6	56,1	63	80,4
Max. speed	n_{max}	rpm	10000	8000	8000	8000	6300	6300	6300	5600	5000	5000	4500
	$n_{max \text{ limit}}^{1)}$	rpm	11000	8800	8800	8800	6900	6900	6900	6200	5500	5500	5000
Max. flow	$Q_{V \text{ max}}$	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
	$\Delta p = 400 \text{ bar T}$	Nm	-	65	76	100	144	178	204	290	356	400	508
Rotary stiffness	c	Nm/rad	625	922	1250	1590	2560	2930	3120	4180	5940	6250	8730
Moment of inertia for rotary group	J_{TW}	kgm ²	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 ²	5000	5000	5000	5000	6500	6500	6500	14600	7500	7500	6000
Filling capacity	V	L		0,17	0,17	0,17	0,20	0,20	0,20	0,33	0,45	0,45	0,55
Mass (approx.)	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
Displacement	V_g	cm ³	90	106,7	125	160,4	180	200	250	355	500	710	1000
Max. speed	n_{max}	rpm	4500	4000	4000	3600	3600	2750	2700	2240	2000	1600	1600
	$n_{max \text{ limit}}^{1)}$	rpm	5000	4400	4400	4000	4000	3000	-	-	-	-	-
Max. flow	$Q_{V \text{ max}}$	L/min	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 stiffness	c	Nm/rad	9140	11200	11900	17400	18200	57300	73100	96100	144000	270000	324000
Moment of inertia for rotary group	J_{TW}	kgm ²	0,0072	0,0116	0,0116	0,0220	0,0220	0,0353	0,061	0,102	0,178	0,55	0,55
Angular acceleration maximum	α	rad/s ²	6000	4500	4500	3500	3500	11000	10000	8300	5500	4300	4000
Filling capacity	V	L	0,55	0,8	0,8	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:

Brand Name	Model Number (If you can't find what you want, please contact us for help)
Rexroth	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
	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
KAWASAKI	K3V63/112/140/180/280DT
	K3SP36/K7SP36/K7V63
	K5V80/140/160/180/200
	M2X22/45/55/63/96/120/128/146/150/170/210 SWING
	M5X130/180 SWING
	GM18/35VL/35VA
KOMATSU	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 PC360-7
	PC400-7
	PC200-6/7/8, PC360-7
	SBS80/120/140 CAT312C/320C/325C
CAT	CAT320 (AP-12)
	CAT12G/14G/16G/120G/140G
	SPK10/10(E200B) SPV10/10(MS180)
EATON	EATON 3331/4621(4631)/5421 (5431)/6423/7620(7621)
	PVE19/21 TA19
	PVH45/57/74/98/131/141
TOSHIBA	PVB92
	SG02/04/08/12/15/17/20/25 SWING
NABTESCO TRAVEL	GM03/05/06/07/08/09/10/17/18/20/23
	GM03/05/06/07/08/09/10/17/18/20/23/24/28/35/38VL
	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
SAUER	PV90R30/42/55/75/100/130/180/250
	PV20/21/22/23/24/25/26/27
	MPV025/035/044/046 MPT025/035/044/046



Company Profile

FACTORY

GUANGZHOU HALCYON-HYDRAULIC CO. LTD



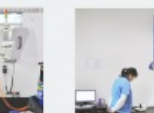
ABOUT US

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 ISO9001 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



HALCYON

Exhibition & Clients



HALCYON

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. Absolutely. 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 → Quotation → Negotiation → Samples → PO/PI → Down payment → Mass production

→Quality inspection→ Book Space →Balance/Delivery → Further.



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