



Sinu Marine Technology Co, Ltd.(Shang Hai,China)



We Supply & Repair:

- Deck Hydraulic Spares Parts
- Hatch Cover Hydraulic Spares Parts
- Hydraulic Motor & Spares
- Hydraulic Pump & Spares
- Hydraulic Valves & Spares
- Hydraulic Rubber Hose
- Hydraulic Cylinder
- Hydraulic Air Pump
- Hydraulic Air motor
- Filter Element
- Lift Boat Equipments & Spares
- All Kind Of Marine
Machineries & Spare Parts

About Us

Shanghai Sinu Marine Technology Co., Ltd have more than 20 years experience of hydraulic spare parts. We mainly provide hydraulic machineries for ship owners, shipping companies, automobile manufacturers, ship repair shops and other users ect. Our products included: Hydraulic motors, hydraulic pumps, hydraulic valves, hydraulic cylinder, hydraulic oil seals, hydraulic brake disk, pressure gauges, hydraulic bearing, hydraulic rubber hoses, crane hydraulic spare parts, ship hatch cover hydraulic spare parts, life boat equipment spare parts ect.

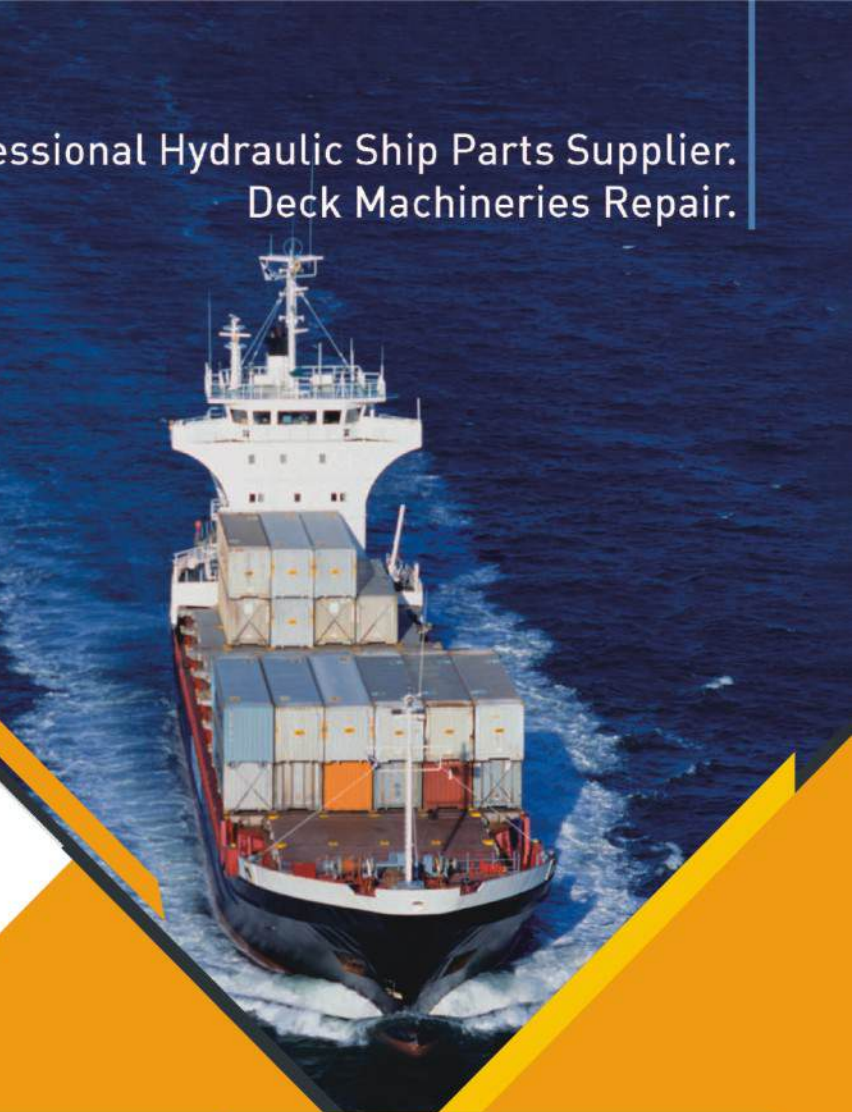
- ◆ Our Team
- ◆ Full range hydraulic parts support
- ◆ High quality products
- ◆ Possesses strong technical backup as well as years of experience
- ◆ On line technology support from China to all over the world
- ◆ Strong design capabilities
- ◆ Fully trained competent staff
- ◆ Good testing procedure with a full range of testing machineries
- ◆ Quick responses time
- ◆ Maintains high quality control for repair work.

Contact Us: ☎ +86 13661617099 ☎ +852 66749339 ✉ info@sinumarine.com

Professional Hydraulic Ship Parts Supplier.
Deck Machineries Repair.



SINU
MARINE



MARINE HYDRAULIC TECH.

Sinu Marine Technology Co, Ltd.(Shang Hai,china)

☎ +86 13661617099

☎ 852 66749339

✉ sinumarine

✉ info@sinumarine.com

🌐 http://www.sinuhyd.com

📍 No.1036,Xizha Road,FengXian,ShangHai,China

SHIPSERY 301989

MESPAS Q5G-317

📍 Sinu Marine

📍 Sinu Marine



TEST BENCH



CONTENTS

Hydraulic motor for hatch cover.....	03
HYDRANOR.PUSNES.....	04
IHI	06
IHI cranes.....	07
Mitsubishi hydraulic motor.....	10
Mitsubishi crane.....	11
Staffa	12
Motor control valve.....	14
Tokimec hatch cover hydraulic parts.....	15
TTS Hatch cover parts.....	16
Control valve block & valve.....	18
TTS & KOCKS windlass & winch spare parts.....	19
Uchida-Rexroth.....	21
KAWASAKI.....	22
KYB	27
Parker	29
Tsuji.....	31
Tsuji steel hatch cover.....	34
Denison vane pump.....	35
Macgregor hatch cover.....	36
Macgregor crane.....	39
Free Fall Lifeboat Davit.....	40
Rescue Boat Davit.....	41
Electric hydraulic slewing crane.....	42
Vane type reducing air motor.....	44



Hydraulic motor for hatch cover

MOTOR TYPE	DISPLACEMENT		SPECIFIC TORQUE		RATED SPEED
	litre/rev.	in3/rev	Nm/bar	lbf.ft/psi	
HML5-1.0	1,03	63	15,20	0,77	300
HML5-1.4	1,36	83	20,10	1,02	214
HMB5-1.8	1,82	111	27,50	1,40	330
HMB5-2.3	2,27	139	34,30	1,74	265
HMM5-2.3	2,27	139	34,30	1,74	
HMB5-2.6	2,61	159	39,50	2,00	230
HMB5-2.8	2,77	169	41,80	2,12	217
HMB5-3.3	3,26	200	49,40	2,51	184
HMB5-4.0	3,98	243	60,30	3,07	150
HMB7-3.7	3,65	223	55,30	2,81	164
HMB7-4.6	4,56	279	69,10	3,51	131
HMB7-5.6	5,58	341	84,60	4,30	108
HMJ9-5.9	5,87	359	89,20	4,54	102
HMJ9-7.2	7,17	438	109,00	5,52	84
HMH5-7.3	7,30	446	110,40	5,61	82
HMH7-10.2	10,22	624	154,20	7,84	59
HMH7-12.7	12,72	777	191,80	9,75	47
HMH9-13.2	13,14	802	199,60	10,15	46
HMH9-16.3	16,35	998	246,50	12,54	37
HMK14-20.4	20,40	1248	308,40	15,68	49
HMK18-26.4	26,40	1604	398,20	20,25	38
HMK18-32.6	32,60	1996	493,00	25,08	31



Spare Parts

Shaft sleeve / seal kits / Stuff Box / Piston ring / Bearing / balance valve / Distance ring



Counter balance valve

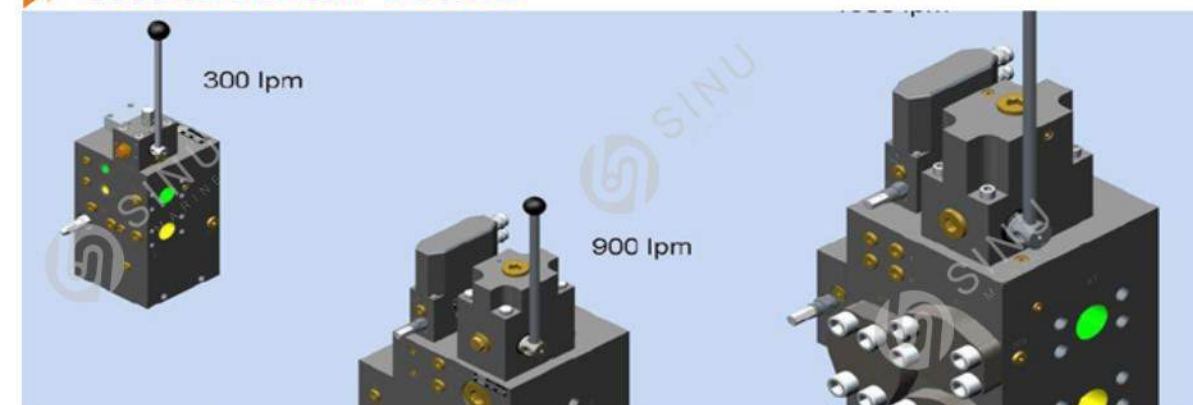
Load control valve

Motor bearing

Oldham coupling

Guide ring

HYDRANOR.PUSNES



DIRECTION CONTROL VALVES

1STB44*1 Manually operated directional control valves size NG6 for rough environments • Size according to ISO 4401 • ISO 05 (NG6) • 24 VDC • 200 VAC • Manual assembly/emergency actuation • Six standard spools • 4 way operation	1STB4432 Electrically operated directional control valves size NG10 for rough environments • Size according to ISO 4401 • ISO 05 (NG10) • Electrically operated • 24 VDC • 200 VAC • Manual assembly/emergency actuation • Six standard spools • 4 way operation	1STB442* Hydraulically operated directional control valves size NG6/NG10 for rough environments • Size according to ISO 4401 • ISO 05 (NG6) • ISO 05 (NG10) • Remote controlled by pilot pressure • Six standard spools
LOAD CONTROL VALVE 3AVB1431AL.17C 7AVB* Load control valves size 10/20/30/40 for rough environments • Interface SAE plate • Adjustable depending on pilot pressure • Adjustable opening pressure • Single valve or sub plate with check valve for free flow	PRESSURE CONTROL VALVES 1FGB 1FGB44111K1B.05-05 Manually operated proportional pressure valves • Size according to ISO 4401 • ISO 05 (NG6) • Manually operated by hand lever • Several adjustment ranges are available • Size according to ISO 4401 • ISO 05 (NG6)	PRESSURE CONTROL VALVES 3SV(B)**(L) Single acting pressure relief valves • Interface • Threaded connections • SAE plate
DIRECTIONAL CONTROL VALVES 20ST(F)(B)-4 way 20STB44742C1.2AC.14C 20STB4475031.2AC.14C Manual/hydraulic operated directional control valves size 20/25/30/40/50 for rough environments • Interface • Threaded connections • SAE plate • Manually operated • Proportionally remotely controlled by pilot pressure • Six standard spools • Various options for • Brake release valve	DIRECTIONAL CONTROL VALVES 1STB44* 1STB4474011.L.14C 1STB4475021.14C.15AW RSHP3-163Y31-1-L8.14C RSHP3-253Y31-1-3BA3 Manually operated directional control valves size NG10/NG25 for rough environments • Size according to ISO 4401 • ISO 05 (NG10) • ISO 05 (NG25) • Manually operated • Six standard spools • 4 way operation • Brake release valve • Proportionally remotely controlled by pilot pressure	DIRECTIONAL CONTROL VALVES 2ST(B)-2 way 2SVDB12L-46460A 2SVDB16L.2K Mechanically operated 2-way directional control valves size 10/20/30 for rough environments • Interface • Threaded connections • SAE plate mounting
PRESSURE CONTROL VALVES 8FGB ; 8FGBR Proportional pressure reducing valves • ISO 4401 - NG6 (ISO 05) • Electrically operated 12VDC up to 24 VDC • Protection degree IP68 • Available with Ex certification • Several adjustment ranges are available	DIRECTIONAL CONTROL VALVES 5ST(B)-4-WAY 5STB44142C1A.7BA.14C 5STB44152C1A.7BA14C 5STB4416031A14C Manually operated directional control valves size 10/20/30 for rough environments • Interface • Threaded connections • Manually operated • Proportionally remotely controlled by pilot pressure • 2 standard spools • 6 way operation 2 positions • Various options for • Spring return • Brake release valve	DIRECTIONAL CONTROL VALVES 5ST-6 WAY 5ST4414041A.4BV.27L Manually operated directional control valves size 10/20/30 for rough environments • Interface • Threaded connections • Manually operated • Proportionally remotely controlled by pilot pressure • 2 standard spools • 6 way operation 2 positions • Various options for • Spring return • Brake release valve

9ST4402063A



Throttle valve
215-002742.01300



Reducing Valve
002730.03000-219



Spare Parts For Valve

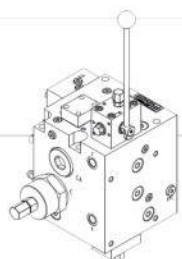
COVER	SHAFT	ROCKING LEVER	COVER	COVER	COVER	LEVER BOLT

Winch blocks for variable pump systems

6MB-1500/6MB-650/7MB/8MB/9MB/11MB

Winch control manifolds for variable pumps

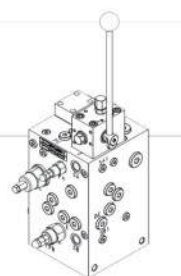
- Pipe mounted model
- Compact design
- Pressure compensator system for load independent control of hydraulic motor
- Load control valve of spool design
- Actuators
 - Manual
 - Hydraulic remote
 - Proportional electric operation
 - Combination of those above
- Options for
 - Brake release valve
 - Remote operated pressure relief A - T/B for tension control
 - Two speed selector valve
 - Up to 5 NG6 flanges for operation of external functions



Winch blocks for fixed pump systems
6MBA/8MBA

Winch solution for fixed pumps

- Pipe mounted model
- Compact design
- By-pass compensator system for load independent control of hydraulic motor
- Load control valve of spool design
- Actuators
 - Manual
 - Hydraulic remote
 - Combination of those above
- Options for
 - Brake release valve
 - Remote operated pressure relief A - T/B for tension control
 - Up to 2 NG6 flanges for operation of external functions
 - Prepared to be fitted directly on hydraulic motor by use of an intermediate adapter plate



5MB-08-3-37-Y3-BI-L8-P-T-030

5MB-07-3-37-Y3-BI-L8-P-T-030

6MB-200-1-2C-T-1

6MB-320-37ER-2C-TE-131A-5

6MBA-650-37-2C-MA-D2-086

6MBP-320-0840-193273.10400

8MB-200-1-2C-L4-MAM-T-127-1

8MB-200-37-2C-MA-L-TMHR

8MB-200-37E-2C-TE-R-132-4A

5MB-08-3-37-6-Y3-L8-MAM-P-T-0305

5MB-07-3-1-Y3-BI-C2-D2-L8-MAM-P-T-030

6MB-320-1-2C-MAM-L3-TR-127-8

6MB-450-1-2C-L4-MAM-T-127-8

6MB-450-37ER-2C-L3-MAM-TE-127-5

394544.10100-6MBP-8MBP

8MB-140-I-2C-LI-TR-169-2

193437.10100; TYPE: 8MBP; GROUP: 0840

9MBP-200-1-2C-L3-T-X



IHI main facility introduction—anchor winch/crane/high pressure motor/controller

This high pressure motor consists of HVLL, HVLK, HVKK, HVL, HVK, HVN total 6 models, different models have different displacements and specifications. The motors are used on anchor winch, crane and cargo winch. Some motors have 1 output shaft, and some have 2 output shafts. The motors on crane are used as hoisting motor, luffing motor and slewing motor.

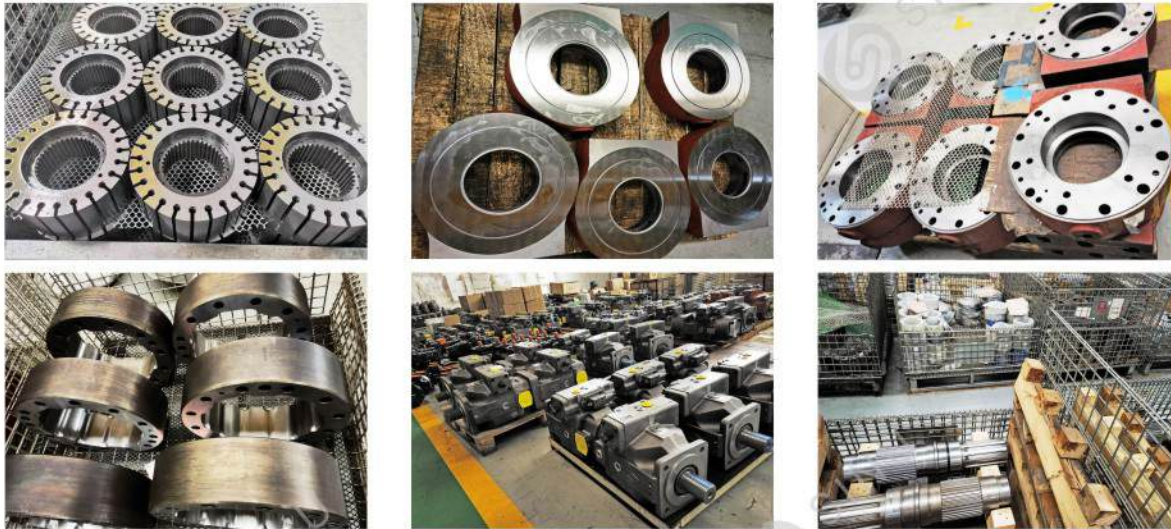
NO	Description	Type	NO	Description	Type
1	Hyd.Motor	HVLG-DSS	11	Hyd.Motor	HVKG-DSS
2	Control block	DC-LA-GM	12	Control block	P-KA-GM
3	Hyd.Motor	HVLG-SS	13	Hyd.Motor	HVKP-SS
4	Control block	DC-LA-GM	14	Control block	DC-KS-SM
5	Hyd.Motor	HVLP-SS	15	Hyd.Motor	HVKG-SS
6	Control block	DC-LS-GM	16	Control block	P-KA-GM
7	Hyd.Motor	HVKKP-SS	17	Hyd.Motor	HVL-A
8	Hyd.Motor	HVLK-SS	18	Hyd.Motor	HVLG-A
9	Hyd.Motor	HVNP-DSDC	19	Hyd.Motor	HVN-A
10	Control block	DC-ND-GM	20	Hyd.Motor	HVK-A
			21	Hyd.Motor	HVLL-SS



IHI Motor SPARE PARTS

1.CAM-RING, 2.Rotor, 3.Vane, 4.Casing, 5.Front flange, 6.Rear flange, 7.Bearing, 8.Parallel Pin, 9.Rocker Beam, 10. Push Rod, 11.spring, 12.shaft, 13.oil seal, 14.J-type packing, 15.Distance Ring, 16.Side seal, 17.Set bolt.





6N SERIES OIL PUMP

6N-33/41/48/57/67, 66N-4848, 66N-5767, 6N-6767VK, 6N-57VK, 6N-67VS



IHI Crane SPARE PARTS



Oil cooler

Oil cooler Dwg.No.1223-042-533

Oil cooler Type:545-21, Dwg.No.F1-6403-B ,Code No.6971424B

Oil cooler Type:680(22), Dwg.No.F2-8387 ,Code No.6971428



Pressure Test Box



hydraulic hose

Fiter V80A

(Dwg.No.F2-6035-E,Code No.6965007,6965000E)

Fiter V100A

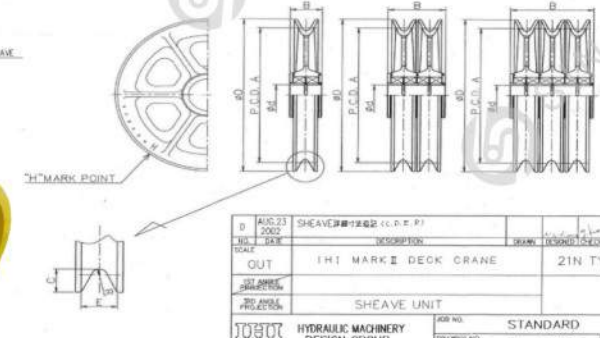
(Dwg.No.F2-7005-D,Code No.6970272)



Sheave

	A	C	D	E	R	BEARING CODE	d	SINGLE SHEAVE		DOUBLE SHEAVE		TRIPLE SHEAVE				
								B (Mg)	DWG No.	B (Mg)	DWG No.	H (Mg)	DWG No.			
620(26)	620	53	700	68	15	69730021(23022)	95	120	73.1	F3-9227-D	217	141.6	F3-9229-D	314	210.2	F3-9230-D
710(34)	710	55.5	787	62	19	69730022(23026)	115	134	116.9	F3-10582-C	245	228.4	F3-10583-B	356	339.9	F3-10584-B
780(38)	780	74	870	66	22	94121301(23030)	135	142	180.4	F3-9512-D	261	314.2	F3-9513-C	380	467.8	F3-9514-D

	A	C	D	E	R	BEARING CODE	d	SINGLE SHEAVE		DOUBLE SHEAVE		TRIPLE SHEAVE				
								B	C	B	C	B	C			
620/20H	620	53	700	68	15	69/30011(23022)	95	120	73.1	F3-10228-D	217	141.6	F3-10591-B	314	210.2	F3-10592-B
710/54H	710	55.5	787	82	19	69/30012(23026)	115	134	116.9	F3-10585-C	245	228.4	F3-10586-B	356	238.3	F3-10587-A
760/88H	760	74	870	86	22	941210X(23030)	135	142	160.4	F3-9511-D	261	243.2	F3-10593-A	380	467.8	F3-10594-A



D	AUG 23 2002	SHEAVE 鋼索掛止器 (C.D.E.F)				
NO.	DATE	DESCRIPTION	DRAWN	DESIGNED	APPROVED	
		OUT	1HT MOUNT DECK CRANE		21N TYPE	
	ISSUANCE PRELIMINARY					
	REVISION	SHEAVE UNIT				
			ABR NO.	STANDARD		
			DRAWING NO.	F3-10725	REV	26
Tokuwa-jima - Harima Heavy Industries Co., Ltd.						

IHI Crane Hydraulic Pump



NO	pump
1	T6ED-057-042-1R00-B1-J224
2	T6E7EDC-057-042-005-1R36-A1MO
3	T6EC-062-020-1L15-B1-J224
4	T6ED-057-042-1L00-B1-J224
5	T6EC-062-022-1R00-B1-J224
6	T6EC-057-017-1L15-B1-J224

IHI Crane Hydraulic Valve

NO	Name	Type
1	Solenoid controlled relief valve	R5V12-393-32-09-W21-A1(Parker)
2	Solenoid controlled relief valve	R5V08-593-32-09-W21-A1-008(Parker)
3	Relief valve	R5V12-393-32-A1-232(Parker)
4	Relief valve	R5V08-591-32-A1(Parker)
5	Relief valve	LB-50-Z1-11(Yuken)
6	Relief valve	DG-01-2203(Yuken)
7	Solenoid valve	DSG-03-2B2-A100-50(Yuken)
8	Solenoid relief valve	LBS-50-2-A100-11
9	Throttle check valve	MSW-01-Y-50(YUKEN)



Pressure switch:TDZ-4

IHI Crane Link unit (Table of geared cable)



MOTOR SIDE

HANDLE SIDE

TABLE OF GEARED CABLE

	CODE NO.	QWG NO.	LENGTH
20"	6063700	P2-6057	3150
			3000
			3300
			3200
30"			3000
			3400

IHI Crane Brake cylinder / seal kits / Band Brake

Hoisting brake cylinder DW.F3-9471
Luffing brake cylinder DW.F3-10721-A
Slewing brake cylinder DW.F3-10461



IHI Crane Gear Box

ISK Gear Box :TPGV-7S(A) , Gear Box SP-9A(S), Gear Box DPGV-7S(A2),

CARGO BLOCK

- 1.) BB/SB+C TYPE F2-8128-A,Dwg.No.C3-55116
- 2.) 30Ton HOOK V2 TYPE Dwg.No.F3-8390-A

2.2 Middle-pressure motors with controllers which are used on anchorwinch consist of HL, HK and HN 3 models , the displacements and specifications of each model are different .



Our company supply the complete motors, as well as the motor housings, rotors, blades, motor shafts, controllers, seals and other maintenance parts.



HPS\HPD middle-pressure vane pump

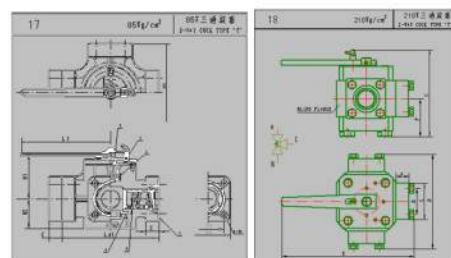
HPS series are single pumps,consist of 8 six models : HPS3、HP4、HPS5、HPS6、HPS7、HPS.

HPD series are double-pumps,consist of eight models : HPD4-3、HPD4-4、HPD5-4、HPD6-5、HPD7-6、HPD7-7、HPD8-7、HPD8-8.



Middle and high pressure three-way plug valve

The medium pressure three-way plug valve has 65, 80, 100 three diameter specifications, and the high pressure three-way plug valve has 50 and 65 two diameter specifications.



Hydraulic motor for repair Mitsubishi crane and windlass

Name	Type
motor	AMC-30A-0-31
motor	AMC-30A-0-41
motor	AMC-30A-M2-31
motor	AMC-30A-M-31
motor	RMC-210A-L-22Y
motor	RMC-350A-L-22Y
motor	RMM-210-84A-L-22PD
motor	RMM-350-105 A-L-22 VD
motor	TMC-55A-M
motor	TMK-33A-M
motor	M35A-SM1-21Y



2 SPEED VALVE ML3501-103-1	SLEEVE	Piston ring	Oldhams coupling	PISTON ASS'Y	CYLINDERBARREL ASS'Y	VALVE PLATE(A)
DRIVE SHAFT	GEAR BOX ACB50-197	GEAR BOX MRP1743W-315	SEAL BOX	SPRING D3F6103100	Steel Plate HNC3353400	Flection Plate HNC3353300

HYDRAULIC MOTOR SPARE PARTS

NO	Name	Type	NO
1	pump	1V-FH2B-MK-RFBLA20D11	MKV-11ME-RFA-C1-L-11
2	pump	3V-FH2B-MK-RFBLA52D11	MKV-23A-RFA-X10-L-11
3	pump	6V-FH2B-MK-RDBLA100D11	MKV-23H-RFA-C10-LQ-11
4	pump	06V-FH2B-MK-RFBLA12D11	MKV-33A-RFA-X10-L-11
5	pump	MKV-11A-RFA-X10-L11	MKV-33H-RFA-X10-L-11
6	pump	MKV-11H-RFA-P11-Q-11	MKV-33ME-RFA-CP
7	pump	MKV-11H-RFA-X10-LQ-11	MKV-11ME-RFA-C-LQ-11





► MITSUBISHI CRANE

Bearing	Flexible joint:KX-65Z KX-80Z	Limit switch:WLCA2-2N Z-10FM22Y-B	Oil cooler
Pressrue test box	Filter Dwg.No:3924-182-3	Sheave	Brake cylinder seal brake cylinder for 1200 kg brake cylinder for 1600 kg brake cylinder for 2200 kg
*T6ERY 045 XR03 W42 A1 M249828 *+T6ED 045 045 3R03 B1 *T6ERY 060 XR02 W42 A1 M258228	T7EEC 052 052 025 2L34 A1M070	T6EE 062 052 2L14 A13M0 +T6CCM B25 B20 3L03	Brake cylinder
T6EC 052 025 1L01 B1 T6E 052 1R00 B1		D3W020BNYW42 (110V50HZ-120V60Hz 0.8A -0.72A)	STOP VAVLE
Pressure Control Valve QB-G10	Relief Valve RD1-02GHD-331	4WE10D-AO/AW100-0007X6	Pressure control valve QB-G06-42-21
RELIEF VALVE R-G10-3-20	4WE10D-AO/AW100-00		



► Staffa Hydraulic motor For windlass

HMC080/S	HMC100/S	HMC125/S	HMC200/S	HMC270/S
HMB080/S	HMB100/S	HMB125/S	HMB200/S	HMB270/S
HMKC080/T3	HMKC100/T3	HMKC125/T3	HMKC200/T3	HMC270/T
HMKB080/T3	HMHDB150/PV	HMJC200/T	HMKB200/T3	HDB400/P



STAFFA HYDRAULIC MOTOR SPARE PART

Q/404:PISTON SEAL RING P/483 PISTON SEAL BACKING RING	GF/405:SHAFT SEAL RINGGG/471 SHAFT SEAL BACKING RING	R/405 VALVE SEAL RING	N/206 RESTRICTOR SCREW	BU/499 & BT/498 Oring Retainer
Seal Kits/ Shaft seal AA/417	109/GI C-Spacer	K/301 OLDHAMS COUPLING	AG/305.SHIM-AG	B/103 FRONT COVER.
4/410, REAR BEARING W402. FRONT BEARING	205/M.CON-ROD RETAINING RING	GQ/211 Rear Spare Plate GP/254 Front Spare Plate	CA/253.SHAFT SLEEVE	Bolt

Hydraulic valve



Motor Control Valve



Hseries

(Pressure compensating control valves directly connected with motors)

Model

Application motor	Basic model HS	Size 08	Spool function A	Counter balance valve — CB
- MRH-1500 - MRH-2200 - MRH-3150 - MRH-4400 (Made by KYB) - RMC-210 - RMC-350 (Made by Mitsubishi Heavy Industries) - HMC-125 - HMC-270 (Made by STAFFA)	- HS For series circuits - HSR Spring return for series circuits - HP For parallel circuits - HPR Spring return for parallel circuits	08 Size 25A 12 Size 40A	- A A . B blocked - C A . B . T open - L A . T open	- CB B port attachment - CA A port attachment - CW Both port attachment

Automatic speed switching valve 2 HL

When the pressure on the motor side reaches the designated pressure, this valve performs automatic 2-speed switching by changing the direction in which the pilot pressure is applied. In addition, it is self-sustaining, so that once the pilot pressure is switched to the low-speed (high capacity) side, it will not return to the high-speed (low capacity) side until the pressure drops below the designated level.

Automatic speed switching valve with compulsory low-speed mode 2HLP1

When pilot pressure is applied to the PP port, the Compulsory Low-Speed switch functions the same as the automatic speed switching valve. If the PP port's pilot pressure is connected to the T (drain) port, the valve operates in low-speed mode.



2 speed valve



Balance vavle



Receiver control system RD-*

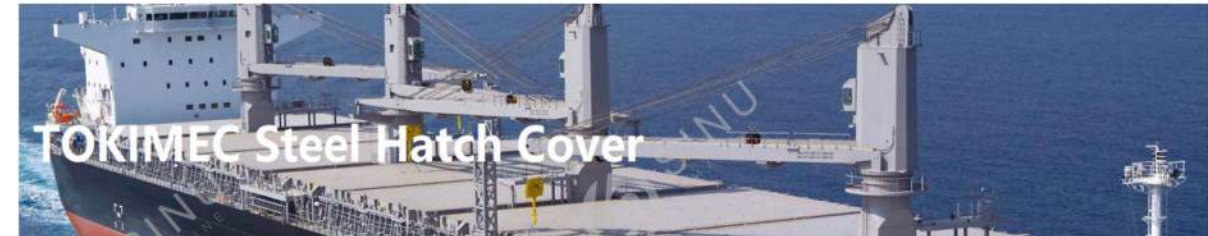


Hydraulic remote control 2RP-*-*



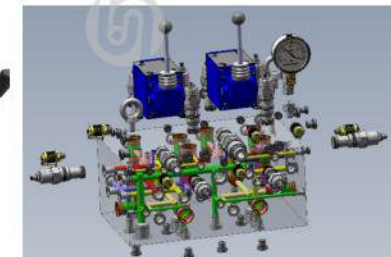
► TOKIMEC Hydraulic part for Hatch cover

 One way restrictor 单向节流阀 TNFCG-02-315-20 TNFCG-04-315-20 TFNCG-06-315-20	 节流阀 TNFG-02-315-20 TNFG-04-315-20 TFNG-06-315-20	 叠加型溢流阀 Pressure relief modules TGMG-5-BT-GW-50-S60 TGMG-5-PT-GW-50	 叠加式单向阀 Direct check modules TGMDC-5-Y-PK-50
 Check valve C2G-805-JA-11 C5G-815-JA-11 C5G-825-JA-11	 液控单向阀 C2PG-805-11 C5PG-815-JA-11 C5PG-825-JA-11	 电磁阀 DG4V-3-2c-u-H-100 DG4V-3-2AL-M-U7-H-7-54 DG4V-5-2A-M-PL-T-6-40	 Relief Valve CG-03-B-15-S81-JA RCG-03-F2-22-JA-S132-J
 Pilot operated check valve THPCG-03 THPCG-06	 Pump:PVE19RWQ1830-1--30-CC-11-JA-S20	 Directional control valve DG17V-7-2C-1-10-JA-S9 DG17V-7-4C-1-10-JA-S9 DG17V-7-6C-1-10-JA-S9 DG17V-7-33C-1-10-JA-S9	 Directional control valve DG17S4-012C-JA-25 DG17S4-016C-JA-25 DG17S4-0133C-JA-25



► TTS Hatch cover parts

Control valve stand A :
Dwg. No.43954945
Dwg. No.43955246
Dwg. No.43955247
Control valve stand B :
Dwg. No.43954946
Dwg. No.43957726
Dwg. No.43958751
Dwg. No.43957016



CONTROL BLOCK



Vane pump SQP-SQPS series



Filter

NDVG-06R-12



HATCH COVER CYLINDER



OIL JACK



SEAL KITS FOR CYLINDER/JACK



Hydraulic fittings



Quick couplings



Quick couplings



HOSE FOR HATCH COVER

Hatch cover parts FOR TTS

GM2-3500	GM5A 2000	GM4 1300 7G D40	GM3 D528 R30	GM6-2100,
GM2-2500	GM1 220 D37 R13	S7B 2520 OR7SBGTF D250	GM2 600 9HA1 D5	GM1 D314 R13
SEAL KITS FOR GM2 Motor SERIES	OIL JACK	Bearing For Cylinder	Cylinder	Bearing for cylinder

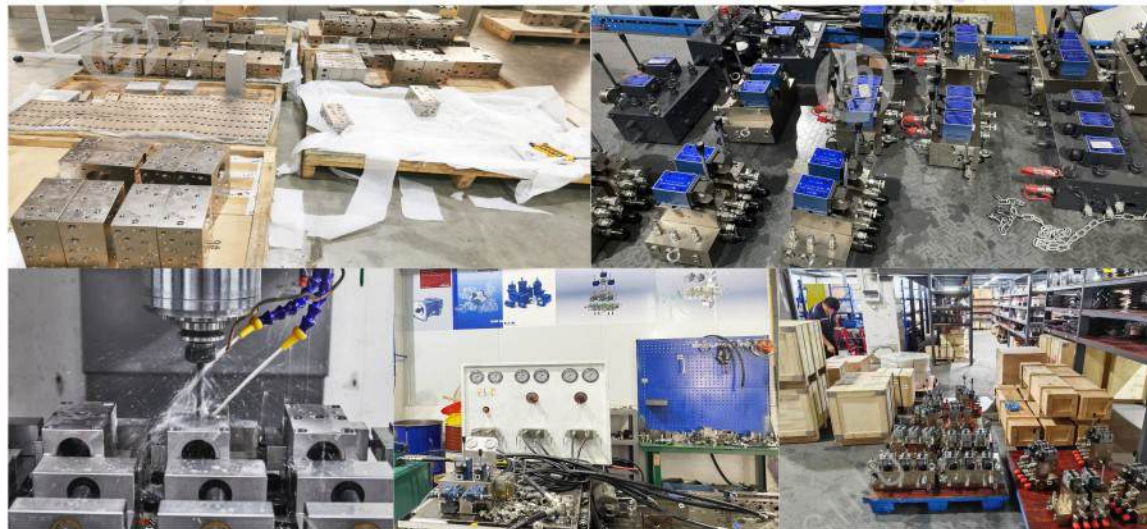
Hydraulic Pump for TTS hatch cover

A10VSO18DR/31R-PPA12N00	A10VSO18DFR1/31R-PPA12N00
A10VSO28DR/31R-PPA12N00	A10VSO28DFR1/31R-PPA12N00
A10VSO45DR/31R-PPA12N00	A10VSO45DFR1/31R-PPA12N00
A10VSO71DR/31R-PPA12N00	A10VSO71DFR1/31R-PPA12N00
A10VSO100DR/31R-PPA12N00	A10VSO45DFR1/31R-PPA12N00
A10VSO140DR/31R-PPA12N00	A10VSO140DFR1/31R-PPA12N00
	Spear parts for A10V Pump



Control valve block & valve

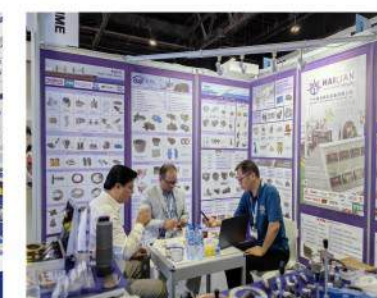
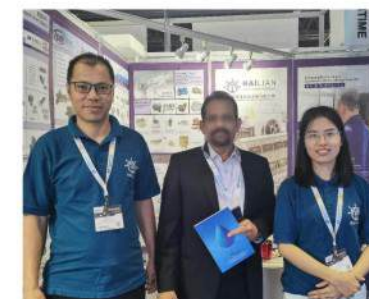
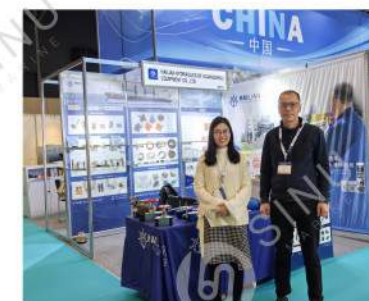
430-9200 SN: 152050003	363-9200 SN: 152050021	1070-9200 SN: 152050010	163-9200 SN: 152050052
356-9200 SN: 152050043	SUN VALVE	Direction control valve	Divider Valve 383-9210
Divider Valve 507-9210	Divider Valve 931-9210	Test pressure hose /fitting	Ball valve
Chain Wheel	Shut-off valve,assy	Quickly fitting	STOP VALVE
TRANSPORTABLE PUMP UNIT 594-9110	CDG WHEEL 225-1094	Fitting & Hose	Filter for pump unit
Wheel+Hydraulic Cylinder+Link	Hatch cover wheel	Hatch cover cleats	Straight rubber packing



SPARE PARTS FOR TTS & KOCKS Windlass & Winch



CSH Control blocks 40/32 and 25/20





Uchida-Rexroth



Gear pump:
GPP1-A0C63A1R-113
GPP1-AOC50A1L
GPP1-FOE63A1R-113



GSP2-AOS12AR-AO
GSP2-AOS16AR-AO-942-0



GSP2-B1A16ARAO-753-0



GXP0-A0D35WL TB10ABL-21
GXP05-A1C63WBTB45ABR-20
GXP05-AOC52ABR-20
GXP10-C0C80WBTB800LPL20ABL-20



KAWASAKI

日本原装川崎备件

Series **B4**



容量 範圍 : 30~700 L/min
Capacity

最高使用压力 : N Lead 13.7 MPa (140kgf/cm²)
Max. working L Lead 20.6 MPa (210kgf/cm²)
pressure

油種によって最高使用压力は異なります。
12ページの最高使用压力図をご参照ください。
The maximum working pressure depends on kind of oil.
Refer to the maximum working pressure on page 12.

NO	Name	Type	NO	Type
1	Screw pump	B45-4L5KLTT	3	B60-4L5KLTT / 4L4KLTT
2	Screw pump	B52-4L5KLTT	4	B70-4L5KLTT

Silent and High-pressure Swash Plate Type

K3VG Series

NO	Piston Pump	Piston Pump
1	K3VG112-100RSV400	K3VG180-10FR-400
2	K3VG180 DT-10FRS-00T3-0	K3VG180-10NRSV4L 00
3	K3VG180100RSV10H2	K3VG180-11FRS-0E00
4	K3VG180 DT-10FRS-00T3-0	K3VG180DT-10FRS
5	K3VG 280DT-10 FRH-0000-0-TO19	K3VG280-1-0-N-R



SPECIFICATIONS

尺寸 size	63	112	180	280	180DT	280DT
排量 displacement cm ³	63	112	180	280	180DT	280DT
压力 pressure MPa(kgf/cm ²)	额定 rated *1	34.3(350)				
	最高 max.	34.3(350)				
	峰值 peak	39.2(400)				
转速 speed min ⁻¹	额定 rated	1,800		1,200	1,800	1,200
	自吸最高 *2 max. for self-priming	2,600	2,200	1,850	1,600	1,850
	最高 max. *3	3,250	2,700	2,300	2,000	2,300
最大输入扭矩 Maximum allowable total input torque N·m	314	559	902	1,400	1,804	2,800
质量 mass kg	48	68	86	160	160	300

Load-sensing Circuit Swash Plate Type

K3VL Series



K3VL系列,是根据作为工程机械用泵具有丰富实际业绩的K3V系列开发的对应负载敏感及恒压的液压回路型的泵。

这是最适合要求节省空间化的工程机械、产业车辆及一般产业机械的泵。

The Kawasaki K3VL series swash-plate type axial piston pump is a heavy duty variable displacement hydraulic pump newly developed for mobile and industrial applications.

The K3VL pumps are based on the proven design of the K3V and K3VG pumps whereby the controls and general construction have been optimized for load-sensing and pressure-constant requirements.

规格 SPECIFICATIONS

尺寸 size	28	45	60	80	112	140	200
排量 displacement cm ³	28	45	60	80	112	140	200
压力 MPa	额 定 rated	32	32	25	32	32	32
pressure (kgf/cm ²)	峰 值 peak	35	35	28	35	35	35
转速 min ⁻¹	自吸最高 max. for self-priming*1	2,600	2,700	2,400	2,400	2,200	2,200
speed	最 高 max.*2	3,000	3,250	3,000	3,000	2,700	2,500
质量 mass kg		20	25	25	35	65	95
壳体内存油量 Quantity of oil to fill pump case L		0.6	0.6	0.6	0.8	1.5	2
最大输入扭矩 Maximum allowable total input torque Nm		155	230	230	410	1,020	1,020
辅助泵允许扭矩 Permissible through drive torque Nm	SAE A	123	123	123	123	123	123
	SAE B	155	290	290	340	340	340
	SAE B-B	-	290	290	400	550	550
	SAE C	-	-	-	400	700	990
	SAE D	-	-	-	-	700	990
	SAE E	-	-	-	-	-	990
温度范围 Temperature range °C	-20~95						
粘度范围 Viscosity range mm ² /s	10~1 000*3						

Axial Piston Pump

NO	Steering Axial Piston Pump	Piston Pump
1	LV-030-410R10	K3VL112B10RKM PO
2	LV-060-410R10	K3VL140-A-10RMM-PO
3	LV-090-410R10	K3VL140-B-10R-JM-PO
4	LV-120-410R10	K3VL200B-1NRXX
5	LV-180-410R10	KK3VL112AINRKM-L1
6	LV-500-410R10	



Hydraulic Motor

Type: M3X530APN-014A

Type: M3X530APN-467-018A

Type: M3X530APN-485-012A

Type: M3X530BPM-485-001A-D3

Type: M5X180CHB-12A-51A-260-169

LVP180-110R1-R1600H

LVP260-110R0AR1120

LX-060-0M01000



Hydraulic motor

NO	Name	Type
1	motor	SB506BM-100
2	motor	SB508V3-100/45
3	motor	SB508V3-110
4	motor	SB540BM-100/035M
5	motor	SX505BM-110T
6	motor	SX505BM-120
7	motor	SX50BCM
8	motor	SX510BM
9	motor	SB510V3-100/25



Balance valve

KCB25EAE/5/210

KCB25EAE/5SD/210-FX

KCB25EAE/7D/250-FX

KCB25EAE/7SD/210-FX

KCB25EAE/7SD/230-FX

KCB40EAE/7SB/230-FX

KCB40EAE/7SB/245-FX

KCB63EAE/5SB/245-602

KCB63FAE/4SH

WKCB40AE/1S



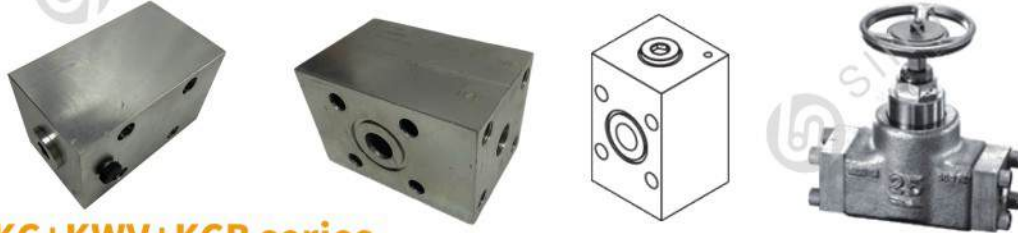
Kawasaki Control valve

KWV22.32PS-PG-30	KWV22PS-30-PCJ31	KWV32PM-30-PCJ31-200-170-FX	KWV32PS-30-PCJ31	KWV32SG-30-PC80-FX
KWV32SM-30-PA81-FX	KWV32S/S-30-PC10	KWV32S/S-PC-02-LL	KWV32S/S-TC-02+ESB-LL	KWV42PG-30-PC/260/225-FX-2
KWV42PM-30-PAJ31-260/225-FX-2	KWV42PM-30-PAJ31-320/280/180-FX3	KWV42PM-30-PAJ31-420/325(100)-FX3	KWV42P/M-PA301	KWV42P/S-PC301
KWV42SG-30-PC30-FX	KWV42SM-30-PA30-FX	KWV42SS-30-PC10	KWV42SS-30-PC80-FX	KWV42SU-30-PC20-FX
KWV63PS-CPJ120/650/614298	KWV63PS-CPO+MR30	KWV32S/S-PC 3 02		



STOP VALVE FOR WINDLASS

SVH40H-G; SVF40H	81SVP22-32+81SMB1655G	81SVP42-50;SVP42-50	81SVPH7332;SVPH7332
SVF50H;	81SVPH6332+81SBM1655G	81SVP8050;SVP8050	81SVPH7340;SVPH7340
SVF50H-G	HG-B-K-10-S-20P (81HGBK10S20P)	SVF32H	81SVPH7350;SVPH7350



HMKC+KWV+KCB series 51-CHECK VALVE UNIT

HIC-FJ15-A-04-12-M+HIC-FJ50-B-04-12-M+JB(8140330750) +SSA-50	C30P-10-80-D01 + HIC-FJ15-A-04-12-M
C52P-10-80-D01+HIC-FJ15-A-04-12-M+JB81781600510)+SSA-50	HIC-FJ15-A-04-12-M+HIC-FJ40-B-04-12-M+JB(8140330751)+SSA-40



20-SB REGULATOR

69R231070 69R131150	69R231100 SR131-070	DHSR231070	30-selector valve 4394-K10	31-SUBPLATE 81VPCHPA-1
------------------------	------------------------	------------	-------------------------------	---------------------------

11-BLIND FLANGE 698C163-911	11-JOINT BLOCK 81JBSBB-1	12-DRAIN PIPE 78170-0249	12-REDUCER 81RHMK25	13-FLANGE OMSHA20
41-NIPPLE 81RMMK	42-REPLENISH PIPE 8140324648(3CR)	42-REPLENISH PIPE 8140320122(2CL)	42-REPLENISH PIPE 8140320124(8CL)	51-FLANGE 81LF7332
12-DRAIN PIPE 8140326199	12-DRAIN PIPE 8140328779	83-MANIFOLD 235172A	52-FLANGE 81LF6340	51-FLANNGE 81LF7340
12-REDUCER+CHECK VALVE 81RMMK+HIC-FJ20-B-04-12-M	82-SELECTOR VALVE HG-B-10-S	81-Relief valve RB30C-10-2.315-L39	56-AUTO TENSION STOPPER	52-FLANGE 81LF6332



Relief Valve

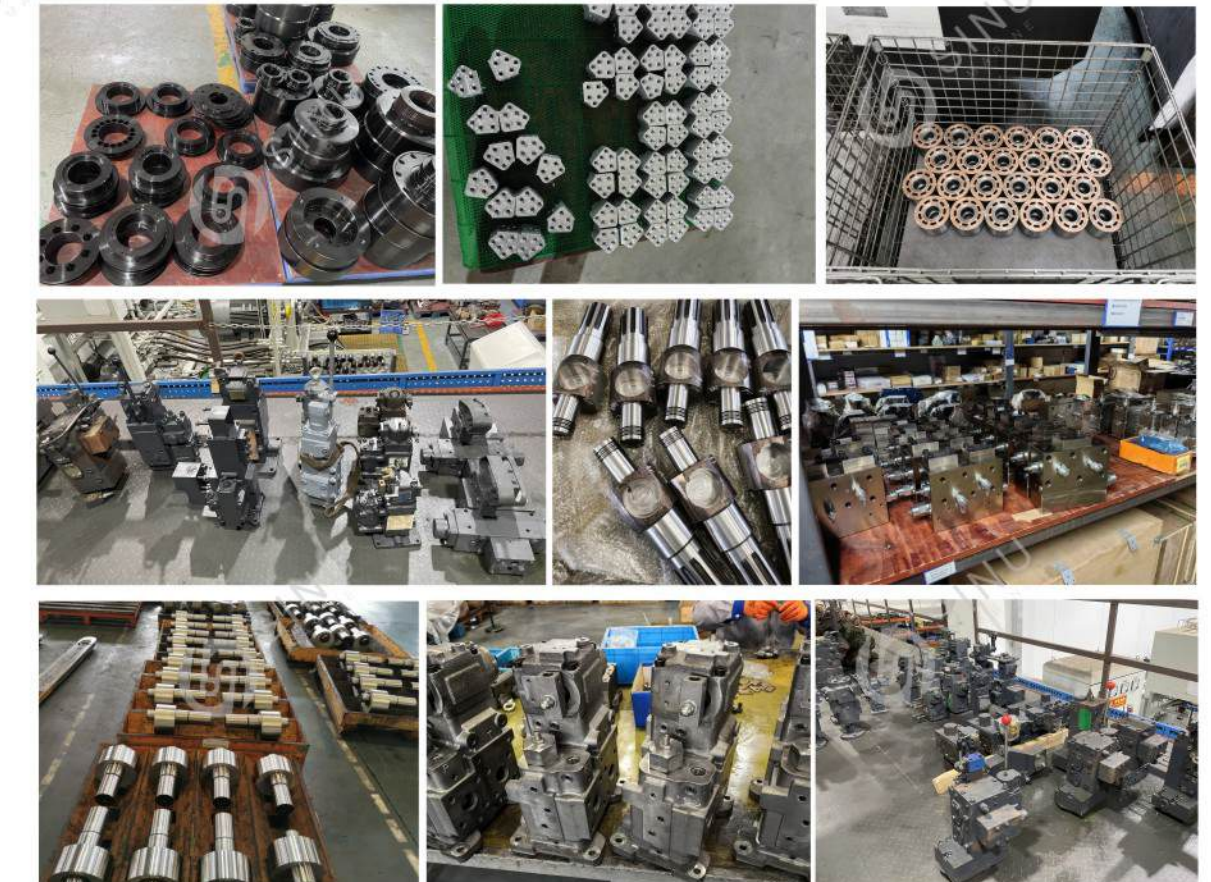
RB10P;RB35P	RB30C-10-2/315-L39 RD30C-10-2-100-L01-75-250	EV-009F; EV-009G
-------------	---	---------------------

RELIEF VALVE UNIT CWSR-140	Valve unit CWSR-2	RB30P-10-2-315X-H100.8
----------------------------	-------------------	------------------------



Solenoid valves DE, DEH

DE6P-30-204-WA200AL	DEH22P-10-207D-2DA200AL-L71-W1	DE10P-10-210-D200AL-L94
DE10P-10-210-DD24AL-L70	DEH16P-97-207-2DD24ALQMABG24-L67(1181)	DEH16P-90-207-2DD24AL-L70
DE10P-10-207-DD24AL-7L5	DEH32P-10-207D-2DA100AL-L71-W1	DEH10P-90-207-2DD24ALQMABG24-L67



KYB HYDRAULIC MOTOR

NO	Description	model	weight (kg)	NO	Description	model	weight (kg)
1	motor	MRH-500	78	9	motor	MRH-5200	520
2	motor	MRH-1000	165	10	motor	MRH-6200	520
3	motor	MRH-1350	165	11	motor	MRH2-750	132
4	motor	MRH-1500	165	12	motor	MRH2-1500	190
5	motor	MRH-2200	225	13	motor	MRH2-2200	250
6	motor	MRH-3150	280	14	motor	MRH2-3150	315
7	motor	MRH-3600	372	15	motor	MRH2-4400	408
8	motor	MRH-4400	372	16	motor	MRH2-6200	545



KYB HYDRAULIC MOTOR SPARE PARTS

CASING,SHAFT	NUT RING	Piston Ring	VALVE END CAP
Oldhams Coupling	Seal kit	CAP,VALVE END	CAP,PISTON
PISTON COMBINATION	SLEEVE	Stop ring	BRSC-R-04-11-496 DN: ES-11253;ES-11381

KYB MAG HYDRAULIC MOTOR

Description	Model
Motor	MAG-85-VP- 1200TEC
Motor	MAG-85VP-1200-4
Motor	MAG-170VP-3600-4
Motor	MAG-230VP-3000-3



KYB MAG Series Motor Parts
MAG

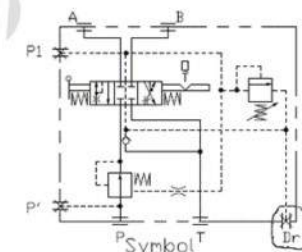
2 Speed Valve and Pressure Constant valve

2 Speed Valve	Pressure Constant valve	Selector Valve
VTS-21.	VPC-W6,20950-37200	VSL-31
VTS-31	VPC-WTL5	VSL-34
HSSV-02	VPC-MTL1	VSL-35(D)
2HL;2HLP1	VPC-WT6	S-02
2HS-W	VPC-WTL6	SB-1

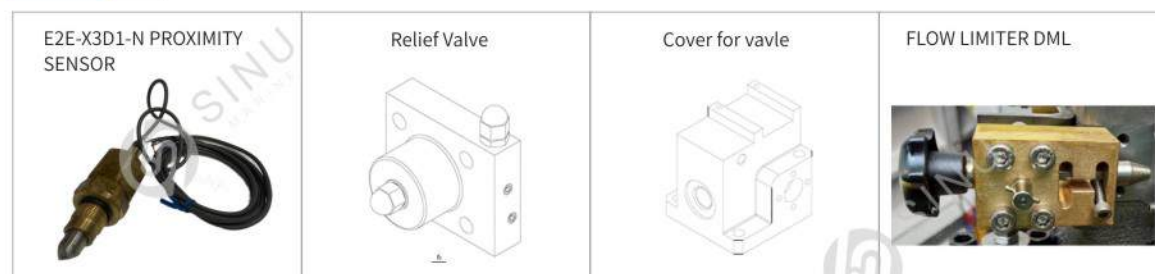


Pressure compensating control valves

FDM04AAS	FDM06CC1	FDM06CCSE	FDS06ACLSE
FDM08ACS	FDM08CCS1E	FDM12CBS3	FDS08ACS
FDM12ACSE	FDM12CCMRS	FDM12CCLMRS	FDS12ACS



Control Valve Spear Parts



Counter Balance Valve



Parker Denon Gold Cup Seres Piston Pump

Name	Type	Name	Type
1 pump PV016R1K1T1NMMC		11 pump P6P 2L1C 5A2B	
2 pump PV028R1K1T1NMMCX5830		12 pump P6P 2R1C 2H2 B	
3 pump PV032R1K1T1NMMC		13 pump P6P 2R1C 6B2 B	
4 pump PV046R1K1T1NMF5830		14 pump P7P 8R1A 9A2 B00 M285291	
5 pump PV063R1K1T1NMF5950		15 pump P7P 3R1A 5A2 B M2 04381	
6 pump PV140R1K1T1NMR1		16 pump P7R 8R1A 9A2 B00 M285291	
7 pump PV180R1K1T1NULA		17 pump P11P-2R1A-9A4-A00-0A0	
8 pump PV270R1K1T1NFFP		18 pump P11P-2R1A-9A4-A11	
9 pump PV62R1EC02		19 pump P16H5L1DH1PM0	
10 pump PVP16364R2M12		20 pump HMRDE5400L2908N1N1N1N1N	



RELIEF VALVE+SOLENOID VALVE



PRESSURE CONTANT VALVE



Hydraulic Motor F11/F12 /MR / HMRD

F12-030-MF-IV-D-000-000-0	F12-030-MF-IV-K-000-000-0	F12-060-MF-IV-D-000-000-0
F12-080-MF-TV-D-000-000-0	F12-080-MK-IV-K-000-0000-P0	V14-160-IVC-E0H3N-N000
TF0100AM050AAAA	MR2800I-F1N1N1N1NX050058635	HMRDE5400L2908N1N1N1N1N



Solenoid Direction Valve

D1VW4CNTWFK4002608	D1VW006KNJW91	D1VW020DNTWK400	D1VW0200HNJW91
D1VW4CNTWFK4002608	D1VW020BNJWD3W020	DNJW42/24V	



Solenoid relief valve

R5V12-393-32-09-W21-A1(Parker),
R5V08-593-32-09-W21-A1-008(Parker)
R5V12-393-32-A1-232(Parker)
R5V08-591-32-A1(Parker)





Control valve For Windlass& Winch		Pilot control valve For Tsuji Crane	
DME20F-20A13000	DME25F-20A10002-969-0	DHP32F20B10000-953-0	DHP32F20E10000-959-1
DME32F-21A10002-970-0	DME50F-20A10002-969-0	DHP32F21E10000-947-0	DHP32F21E10000-947-1
DHP50 F21- P10000-945-1	DHP40 F21 P10000-952-0	DHP40 F21 E10000-945-0	DHP40 F21 E10000-949-0
		DHP50 F21- P10000-946-1	DHP50 F21- P10000-954-0
			
 Polit Check valve CP3D-10G-C-341	 Gear Pump GSP2-B1A16ARAO-753-0	 GSP2-AOS12AR-AO GSP2-AOS16AR-AO-942-0	 Relief Valve RD-7400-994-0

Hydraulic Motor For Crane

 A6V500HD6.2FZ2	 A6V225HD2FS2 A6V172HD6.2FS21000-913-0	 A2F250W5S8	 A2FM180/6.1W-SB08 A2FM80/61W-VUB010
 A2F80W2S8	 A2F160WS8	 A2F107W1S8-990-1	 NCB180-GS6001 NCB180-GS6004

Hydraulic pump for Crane

 A2F172L6.2P3-999-0	 A4VG180HDD1/32R+GSP2-16-980 A4VG250HDD1/32R-NSD10 K011E+GSP2-B1A16AR-AO	 PFXS-180-M-L-00-0000-000	 A2F182R1P3UV A2F182L1P3
A2F160L2P3UV	A2F225R1P3	A2F250L5P2	GSP2-AOS12AR-AO

Counter balance valve For Crane

 RF2E32J10A1B-J RF2F32J11-1B-J	 RF1C32J10B1AM-899-0 RF1D32J10A1AM-848-0	 RFD32J10B1AM-838-0 RF1C32J10B1AM-978-2L-62	 RF2B25J10B1BM-99-1L-14 RF2B25J10B1BM-915-0-0L-7Z
 CW300AS305	 CW300AXS312	 CW300BAS219	 C100Z; SN: 150290002 C100Y; SN: 150290008

NO	Name	Type	NO	Name	Type
1	Pilot control valve	DHP40 F21 E10000-949-0	15	RELIEF VAVLE	MO-7005-926-0
2	Pilot control valve	DHP40 F21 P10000-952-0	16	RELIEF VAVLE	DBDS6KAO/100
3	Pilot control valve	DHP50 F21- P10000-945-1	17	RELIEF VAVLE	RD4-02G-330
4	Pilot control valve	DHP50 F21- P10000-946-1	18	RELIEF VAVLE	RD-7400-994-0
5	Pilot control valve	DHP50 F21- P10000-954-0	19	RELIEF VAVLE	MO-7005 1
6	Pilot control valve	DHP32F20B10000-953-0	20	RELIEF VAVLE	RV1-8-C-0-50
7	Pilot control valve	DHP32F20E10000-959-1	21	RELIEF VAVLE	DRC30-5-5X/50Y
8	Pilot control valve	DHP32F21E10000-947-0	22	RELIEF VAVLE	ZDR6DP2-3*75YM
9	Pilot control valve	DHP32F21E10000-947-1	23	RELIEF VAVLE	DR6DP2A*/75YM
10	Pilot control valve	DHP40 F21 E10000-945-0	24	Proportional directional valve	3DREP6C-AO-25A24 NZ4-M
11	SOLENOID OPERATED VAVLE	4WE6Y-6*MO/AW110NZ5L	25	Proportional directional valve	3DREP6C-AO-45A24 NZ4-M
12	SOLENOID OPERATED VAVLE	4WE6D-60MO/AW110NZ5L	26	Proportional directional valve	4WRA10W40-1024NZ4M
13	SOLENOID OPERATED VAVLE	4WE6J-6*MO/AW110NZ5LB08	27		
14	SOLENOID OPERATED VAVLE	4WE6G-6X MO/AW110NZ5L	28		



Balance valve



Direction control valve 2RE7L05-13-986-0



Joystick valve 4TH7A14-1

51	MANI.BLOCK 1	
51-1	REDUCING VALVE	DRC30-5-5X/50Y
51-2	4WAY PROPO.VAVLE	4WRH16E150-90/M-978-0
51-3	RELIEF VAVLE	MO-7005-926-0
51-4	MINI.CHECK (COUPLING)	100-52 000
51-5	SOLENOID OPERATED VAVLE	4WE6Y-6*MO/AW110NZ5L
51-6	RELIEF VAVLE	DBDS6KAO/100
51-7	THROTTLE VAVLE	NFDC-LAN
52	MANI.BLOCK 2	
52-1	SOLENOID OPERATED VAVLE	4WE6D-6*MO/AW110NZ5L
52-2	RELIEF VAVLE	ZDB6VP2-3*/100
52-3	REDUCING VALVE	ZDR6DP2-3*75YM
52-4	MINI.CHECK (COUPLING)	100-52.000
52-5	REDUCING VALVE	DR6DP2A*/75YM
52-6	GAUGE BLOCK	ZP6-004
53	MANI.BLOCK 3	
53-1	LOGIC ELEMENT	LC32A05D5*
53-2	SOLENOID OPERATED VAVLE	4WE6D-6*MO/AW110NZ5LB12
53-3	RELIEF VAVLE	RD4-02G-330
53-4	RELIEF VAVLE	RD-7400-994-0
53-5	MINI.CHECK (COUPLING)	100-52.000
54	MANI.BLOCK 4	
54-1	RELIEF VAVLE	MO-7005 1
54-2	MINI.CHECK (COUPLING)	100-52.000
55	V.MOTOR	
55-1	VARIABLE PISTON MOTOR	A6V500HD6.2FZ21780-927-0
55-2	SOLENOID OPERATED VAVLE	4WE6J-6*MO/AW110NZ5LB08


Brake Cylinder HNB 405M-505M
Brake Cylinder HNB 704M-07
& HNB 703M-04
Brake Cylinder HNB 805M-04

HUB
PN: 32701555;
PN: 32700803
PN: 32700500

SN: 111770056
SN: 111770057
SN: 111770058


Outer&Inner Disk / COIL SPLIT



Oil cooler:227659


Filter:P-GW-2-10μ,
M24-020P-B 20μ

Reduction Gear BOX
MRP1742W-500
MRP1743W-355-80

Reduction Gear (Slewing)
MRP1744D-355


Tsuji for steel hatch cover


Control valve stand
Dwg.No.VPA57646G;43950893;NS990152;
NS990346;NS990512;NS990581;NS990582
NS990583;NS990684, 43961116
T7-715-8-301,

MANUAL VALVE
NDVG-06R-13

Flow control valve
TFNG-02-315-20-S1
TFNG-04-315-20-S1
TFNG-06-315-20-S1

Direction valve
DG17S4-0133C-JA-25
DG17S4-012C-JA-25
DG17S4-016C-JA-25

Stop valve: HF-1280-25-11
HF-1280-32-11
HF-1280-40-11

Gauge Valve
GTKL-02W

Stop valve SGK-03H
Gasket Type Stop Valves
HG-4211-K-10J-23 -5

Check valve
C5G-815-JA
C2G-805-JA-11

Needle valve
GNT-02-203
Dwg.No.ES-11022

Pilot check valve
THPCG-03-C-10
DGMPC-5-(D)AB
THPCG-06C-10

Pilot operated
check valve
C2PG-C5PG

Check Valve
HIC-FJ25-B-04-11
HIC-FJ32-B-04-12
HIC-FJ40-B-04-12

Direction valve :
DG17V-7-2C-1-10-JA-S9 ,
DG17V-7-6C-1-10-JA-S9

Reducing valve :
DB10-2-K30-315XU,
DR10-5-K30-315YM

VANE PUMP FOR CRANE & WINDLASS & HATCH COVER

DENISON VANE PUMP

Name	Type	Name	Type
1 Vane pump	T6C 017 3R01 B1 J97	21 Vane pump	T6EE 045 057 2L03 A12MO J334+T6C 025 3L03 B1
2 Vane pump	T6CC 014 008 1R01 C110	22 Vane pump	T6EE 045 057 2L09 A1MO+T6C 025 3L03 B1
3 Vane pump	T6CC 017 008 5R03 B1	23 Vane pump	T6EE 052 052 2L01 A12 MO+T6C 025 3L03 B1
4 Vane pump	T6CC 025 020 3L03 C10 M	24 Vane pump	T6EE 052 052 2L03 A12MO J334+T6C 025 3L03 B1
5 Vane pump	T6CC 031 014 2R01	25 Vane pump	T6EE 057 057 2L14 A13MO+T6CC 025 017 3L03 C10M
6 Vane pump	T6D 045 1R02 B1	26 Vane pump	T6EE 062 045 2L14 A13MO+T6CCM B25 B20 3L03 D10M J97
7 Vane pump	T6DC 042 017 1R03-B1 J236	27 Vane pump	T6EE 062 052 2L03 A13 MO J334+T6CC 017 017 3L10 C100
8 Vane pump	T6E 052 1R00 B1	28 Vane pump	T6EE 062 052 2L14 A13MO+T6CCM B25 B20 3L03
9 Vane pump	T6E 052 1R02 A1	29 Vane pump	T6EE 062 052 2L14 A13MO +T7CC 022 017 3L03 C10M
10 Vane pump	T6EC 052 025 1L01 B1	30 Vane pump	T6ERY 045 XR03 W42 A1 M249828+T6E 052 3R03 B1
11 Vane pump	T6EC 057 020 1L15 B1	31 Vane pump	T6ERY 045 XR03 W42 A1 M249828+T6ED 045 045 3R03 B1
12 Vane pump	T6EC 062 022 1R00 B1	32 Vane pump	T6ERY 060 XR02 W42 A1 M258228
13 Vane pump	T6EC 066 003 1R03 B1	33 Vane pump	T7CC-022-017-3L03-C10M
14 Vane pump	T6ED 045 045 3R03 B1 J224	34 Vane pump	T7DS B35 1R02 A1M0
15 Vane pump	T6ED 052 045 1L01 B1	35 Vane pump	T7EDS 057 042 1R00 A1MO J224
16 Vane pump	T6ED 057 042 1R00 C1	36 Vane pump	T7EEC 052 052 025 2L34 A1M070
17 Vane pump	T6ED 066 045 1R03 B1	37 Vane pump	T7ES 052 1R03 A1
18 Vane pump	T6EDM 066 045 1R03 C1	38 Vane pump	T67ED 085 038 1R00 A1
19 Vane pump	SDV20-1B-12B-1A	39 Vane pump	VT6DY 028 1R02 B1
20 Vane pump	VP-30-FA3		



T6ED



T6EC



T6D



T6E



T6DC



T6C



T6CC



Cart.s&Cams



Shafts



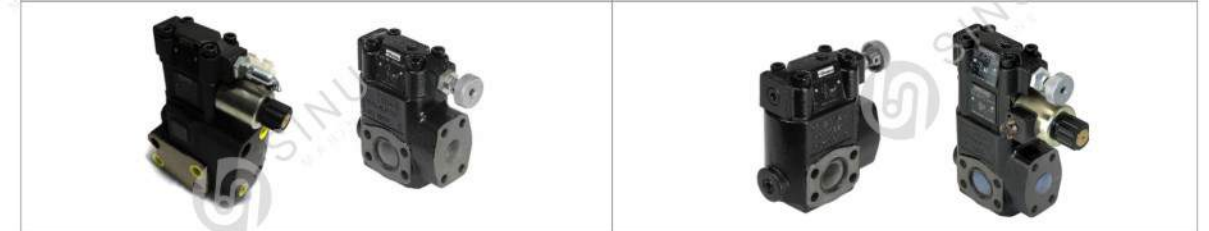
Piston Pump

Pv6 2R1D C00 J343	PV20 2R1D C00 J343	PV29 2R1D C00 J343	P200
P140 6R1C C50 00 M2	P260-2R1B-C10-00	P080	P110



RELIEF VALVE

Solenoid controlled relief valve	Relief valve
R5V12-393-32-09-W21-A1	R5V12-393-32-A1-232
R5V08-593-32-09-W21-A1-008	R5V08-591-32-A1



MacGREGOR. Hatch cover Series Hydraulic Valve

Name	Type	Name	Type
valve	MSVSS-06A-40-CB2(Dwg.No.75973-51200)	Manual valve	DG17S4-012C-JA-20
valve	MSVSS-06A-60-CB2(Dwg.No.75973-51100)	Manual valve	NDVG-06R-11
valve	MSVSS-06F-60-MP1(Dwg.No.75973-51300)	Check valve	VCH-0401(Dwg.No.21300-30001)
Combination valve	COVKM-G02-TCNC-11	Check valve	VCH-series
Combination valve	COVKM-G-RSCC-11 (Dwg.No. ES-9655)	Check valve	Z1S6P1-3
Flow Divider combner assembly	Dwg.33-30619	pilot operated check valve	MAP-01-4-4001
Flow Divider	Dwg.No.K102077	Relief valve	ZDB6VA2-3-320
Control vavle	DMG-01-3C4-1018	Throttle and check modular valve	FTC-M01-11 Dwg.No.ES11721
Control vavle	DM6P-10-105-L87	Throttle and check modular valve	TC2G-01-40
Control vavle	DM6P-10-210-L86	Stop Valve	HF-1280-25-11
Control vavle	MCG7-063Y21-2	Stop Valve	HF-1280-32-11-194
Control vavle	MCG9-063Y15-2	Stop Valve	HF-1280-40-11
Control vavle	MCG9-063Y21-2	Stop Valve	HG-4211-K-10J-23



Valve Group



Quick release coupling / shut off valve assembly SH25&SH40 / hydraulic Hose



AUXILIARY PUMP UNIT 40L MGH 12096-P-25-440-60-A / Hand pump Dwg.No.93-71100-42100



Jack and cylinder / seal kits - PFC / Composite spherical bearings



Hydraulic motor For Hatch Cover

HMB5-1.8	HMB5-2.3	HMB5-2.6	HMB7-4.0	HMM5-1.4	HMM5-2.3
M52P2001	M51P3001	M20-100	HMB100/T/FM3	HMB125/T/FM3	NP1-106
MRH-750-TWH	MRH-750TWHG	MRH-1500TWNCYAG	ME750 ABW	ME1300ABW	NP1-107



Motor Spare parts

Coupling Pins	Stuffing Box	Piston ring	Speedi sleeve	Seal kits
OLDHAM COUPLING	CASING, SHAFT	Pisnton ring	BLOW-OUT RELIEF VALVE SN: 120100022	CAP, VALVE END For KYB Motor

Load control valve / Balance valve/ relief valve

(HV27981 ,HV279S4, HV270 , HV203, HV272)



Hydraulic Pump For Hatch Cover

CNR:1001660	CNR:1001661	CNR:1001662	5996079-001 ADU049L02AD10A43200000200100CD
-------------	-------------	-------------	---



Mac. Crane

Hydraulic Pump

108 1097-801	287 9467-801	289 0683-801	289 1834-801/B	289 5879-801
188 1099-801	287 9467-802	289 0684-801	289 5330-801	391 0807-801
188 1108-801	289 6004-801	289 1833-801/B	289 5331-801	288 0303-801/E
Seal kits for Pump 625-4945.057A 875 19806-001				



Hydraulic motor For Crane & Hose Crane

187 8383-801	188 1243-801	189 2418-801	189 6355-801	388 3127-801
188 1221-801	188 1250-801	189 3383-801	287 9475-801	389 3916-801/A
188 1222-801	188 1769-801	189 4780-801	288 0303-801/E	390 2576-801
188 1223-801	188 1773-801	189 4781-801	288 2158-801	390 7138-801
188 1227-801	188 1774-801	189 6118-801		391 0458-801
188 1235-801	189 1167-801	189 6354-801		391 1469-801



 Mac. control valve Part No.188 1339-801 PVP 320br	 MGC.order:340329362*30 Dwg No.289 5323-801	 Mac. crane valve block Part No. 388 6358-801	 Mac. crane valve block Part No. 388 6361-801/396663	 Mac. crane valve block Part No. 388 6376-801
 Mac. crane valve block Part No. 289 0840 801	 Mac. crane valve block Part No. 289 0687-801	 Mac. crane valve block Part No. 289 0839-801	 Mac. crane valve block Part No. 287 9489 802	
 Mac. crane valve block Part No. SV-06-A, Type 31006100, SN:0176998	 MacGreGor. Crane 1229762/1230739 Part No.1237625	 Mac.crane Part No. 4943 0003-101	 Mac.crane Cardan shaft Part No.:388 6363-801	



Davit 品牌: 上海亨远/ 镇江辅机厂/ HYUNDAI / ZOLLERN / SHIN MYUNG TECH / BADA DEAVY / 江阴北海救助艇NORSAFE

 HV07-020940/80-2B-PARKER	 DL 31-3-GE-BE 1-2-200 SN:150660020	 HV07-020940/80-2HW-B-G1/2 SN: 151770028	 HV07-020940/80-2FP SN: 151770026	 Control valve
 Cylinder HSGK01-125/80-2511-2500	 HV07-020940-1S-G1/2 SN: 151770027	 HV07-020940-1S-G3/8 SN:151770036	 HV07-020940/80-2B SN:151770025	 HV07-020940 SN:151770024
 Cylinder seal Kit	 SNM-1-G3/8-VOSL1/2 SN: 151670002	 Cylinder Balance valve SNM-2-G3/8-VOSL1/2 SN: 151670005	 Outter Disk Inner Disk	 SN: 120350002
 Motor HYUNDAI DIVAT	 SN: 121670002	 MGLR100	 SN: 121670004	 Motor: TF0100AM050AAAA
 SN: 111670005	 SN: 111670010	 VBDSE/45 SN: 111670004	 SN: 111670011	 SN: 111670002

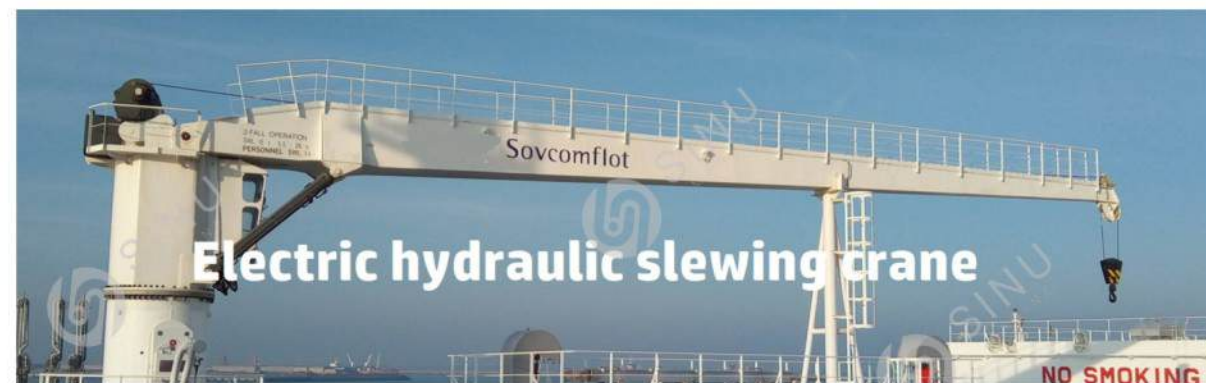


救助艇
Rescue Boat Davit

▶ Rescue Boat Davit SAC-21

Manual Directional Valve SGOR-AK, SGOW-CK	925122 (205V) SN: 110660001	NO.6 Ball valve BKH(CG6 320BAR)	GR2-1-G24 SN: 150660022	SWR1AT UD-1- WG230-210
No.8 Pressure gauge switch AL-02	hand pump HD30	No.9 Pressure gauge: CB-LM60-A-40M	KR2-1 SN: 150660014	FR2-1 SN: 150660001

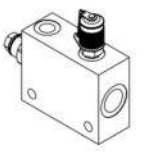
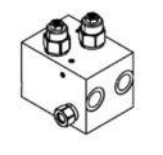
Hydraulic winch



Electric hydraulic slewing crane

▶ Electric hydraulic slewing crans

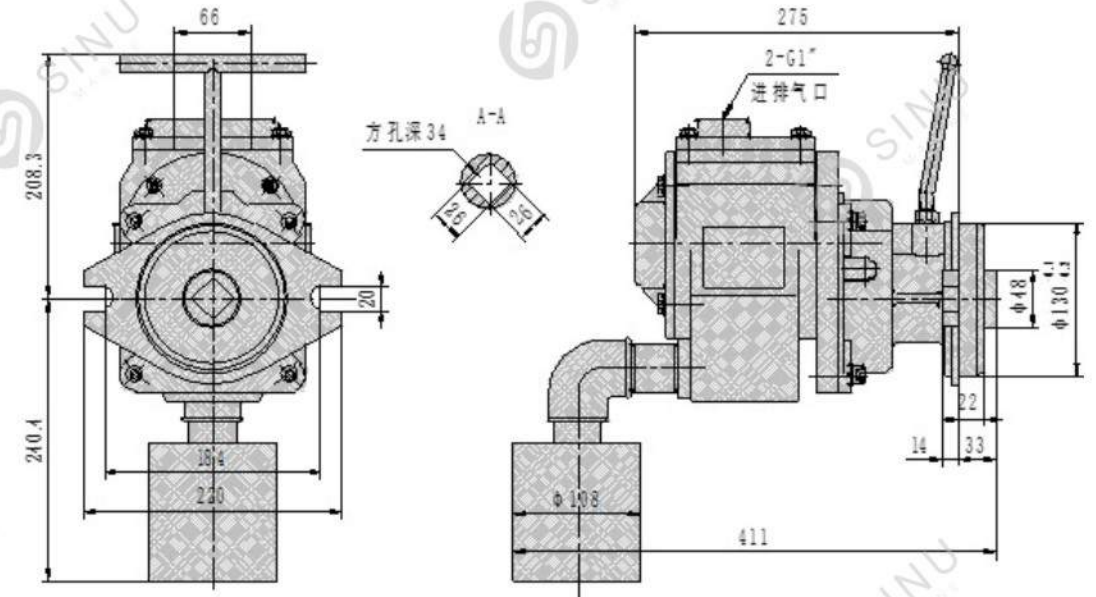
Multiple valve PVG32-3	PVG32-3	PSL5-300-4	PSV41-250-3	HPV41;SN: 150130005 HPV77;SN: 150130003
MANUAL PUMP GL30	Cylinder seal kits	Luffing Cylinder HSGK02-180/125	balance Valve: VOSL1/2"	Hand pump HD20;HD30
Filter: ZU-H63×20 RFA-63×20L	Limit Swift LXX3-20ST	Limit Swift LX918-120	PRESSURE GAUGE PTB-H1/P1-40-500	
CBCA-LHN-XEV; 084407-03-03-35(G1/2) SN: 112340070	LHK40GVP-11 SN: 150660010	MVP8C SN: 150660011	LHK44G-14-200 SN: 150660002	VOSL-G1-3 SN: 231670008

 SN: 151770040	 VAA-B-SICN-ST-VF-250 SN: 151430001	 Cylinder counter balance valve RL051351;SN: 152050050	 SN: 152050051	
 Slewing Motor RE512/MGLR160	 Slewing Motor Balance Valve: VB035MP	 VOSL1 SN: 151670001	 WINCH MOTOR GM2420; H2V55;H2V108;H2V226	 Hoisting motor BALANCE VALVE VOSL/A 3/8
 CBV1-2	 Slewing counter balance valve SN: 111670001	 Slewing Gear Box	 Slewing Gear Box	 Slewing Gear Box

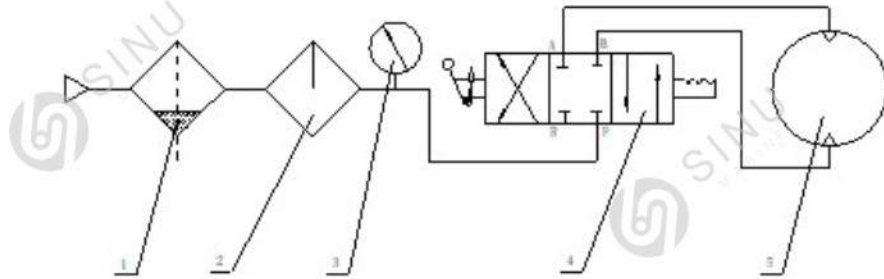
叶片式减速气动马达

► Vane type reducing air motor

一、结构及原理、特点Construction, principle and feature

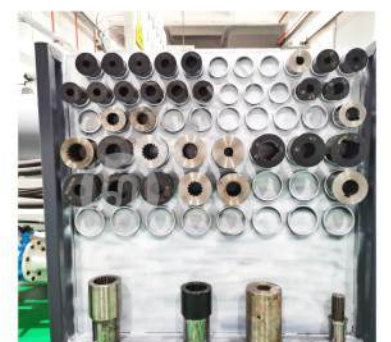
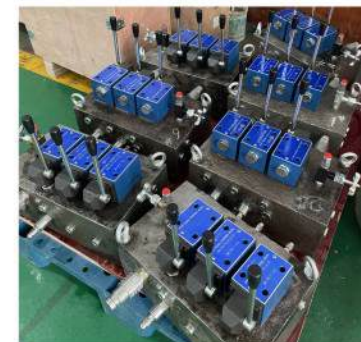


Installation



1. 过滤器Filter QL3 25-05
2. 油雾器Atomized lubricator QY3 25-05
3. 压力表Pressure gauge Y60
4. 三位四通手控阀(中封) QF34 25-05 61.0 4/3 manual control valve (cut-off of air flow at neutral position)
5. 气动马达 (Pneumatic motor)

Other Pneumatic components



Work Shop Repair & On Board Maintenance Service In China



Contact: Chen Li Ming E: info@sinumarine.com Hp: +86 13661617099 What's App: +852 67427198 Web: www.sinuhyd.com