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HYDRAULIC PARTS

Guangzhou Otto Engineering Machinery Equipment Co., Ltd.

www.otto-parts.com



Website



WhatsApp

About us

Guangzhou Otto Engineering Machinery Equipment Co., Ltd. is domestically the largest company specialized in manufacturing and supplying an hydraulic and electronic based equipments like a heavy construction (Excavator) equipment's hydraulic motor and pump, and the hydraulic system for military products since its foundation. Based on an innovated management, all of OTTO's employees try to serve the best for the customer's satisfaction and the local economy. In order to serve qualified products and best services, we will do our best to keep investing on "Research & Development" and a stabilized quality. In the near future, we promise you that OTTO will grow one of the best acknowledged company with your support and interest. Thank you.

Product Range



PROFESSIONAL HYDRAULIC PARTS:
 K3V63,K3V112,K5V200,SBS80,SBS120,A8VO107,A8VO160,A8VO200,HPV95,HPV102,HPV118,HPV160,M5X130,M5X180,JMF151,SG08,HMGE68,MAG170,MAG340,GM07,GM08,GM09,GM17,GM35,JMV155 ECT.

Product Application



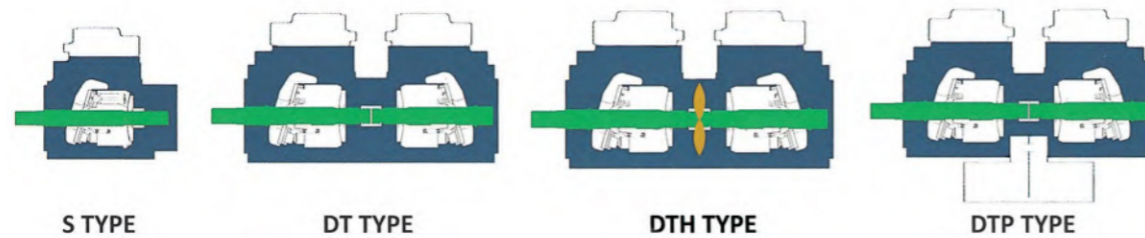
| 目 录 |
CONTRNTS

- 01 PUMP DATA
- 02 PUMP NAMEPLATE
- 03 OT63/112/140/180S
- 04 OT63/112/140/180DT
- 05 OT80/112/140DTP
- 06 OT180DTH
- 07-10 HYDRAULIC PUMP ASSEMBLY
- 11-26 HYDRAULIC PARTS
- 27-32 FINAL DRIVE
- 33-43 BUSINESS EXCAVATOR MODEL

Regulator Code

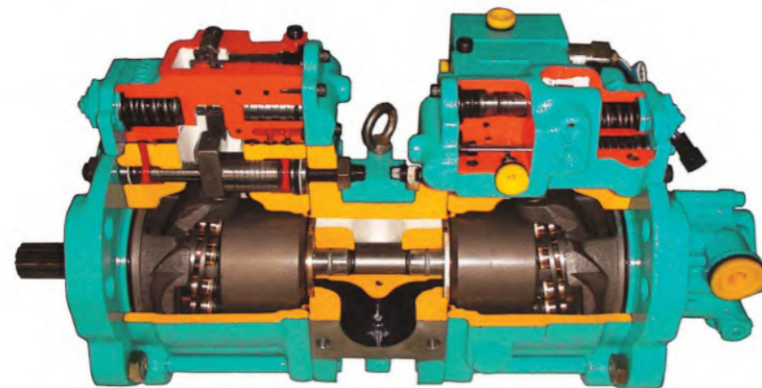
CODE	CONTROL TYPE	CONTROL CURVE	CODE	CONTROL TYPE	CONTROL CURVE
1	CONSTANT HORSEPOWER CONTROL		M	MANUAL FLOW CONTROL	
2	TOTAL HORSEPOWER CONTROL		P	POSITIVE FLOW CONTROL	
4	HIGH PRESSURE CUT-OFF		N	NEGATIVE FLOW CONTROL	
5	HORSEPOWER & PRESSURE CUT-OFF		C	2-STAGE MAX FLOW CONTROL	
6	TOTAL HORSEPOWER & PRESSURE CUT-OFF		L	LOAD SENSING CONTROL	
9	VARIABLE HORSEPOWER CONTROL		E	ELECTRIC FLOW CONTROL	

Pump Type

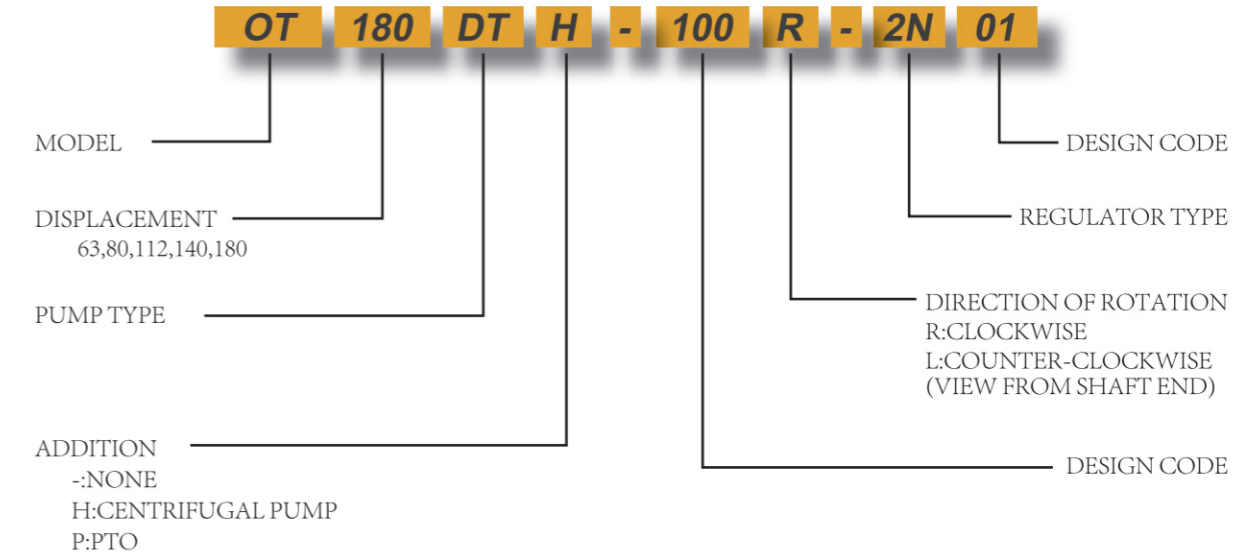


Applications

MODEL	TM63DT	TM80DT	TM112DT	TM140DT	TM180DT
APPLICATION	12~16TON	14~18TON	20~25TON	25~34TON	34~45TON

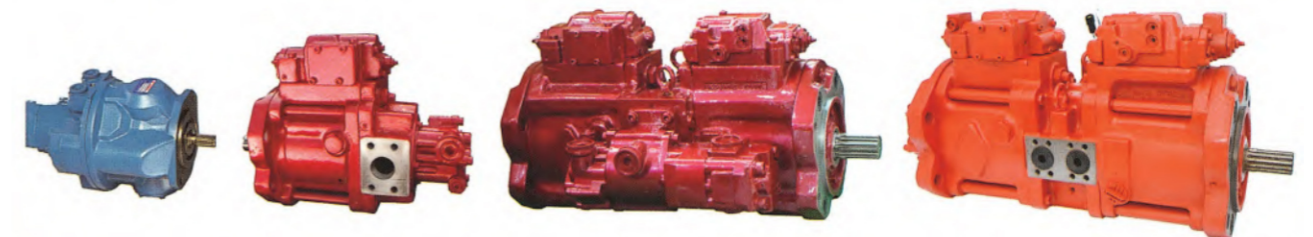


Ordering Code

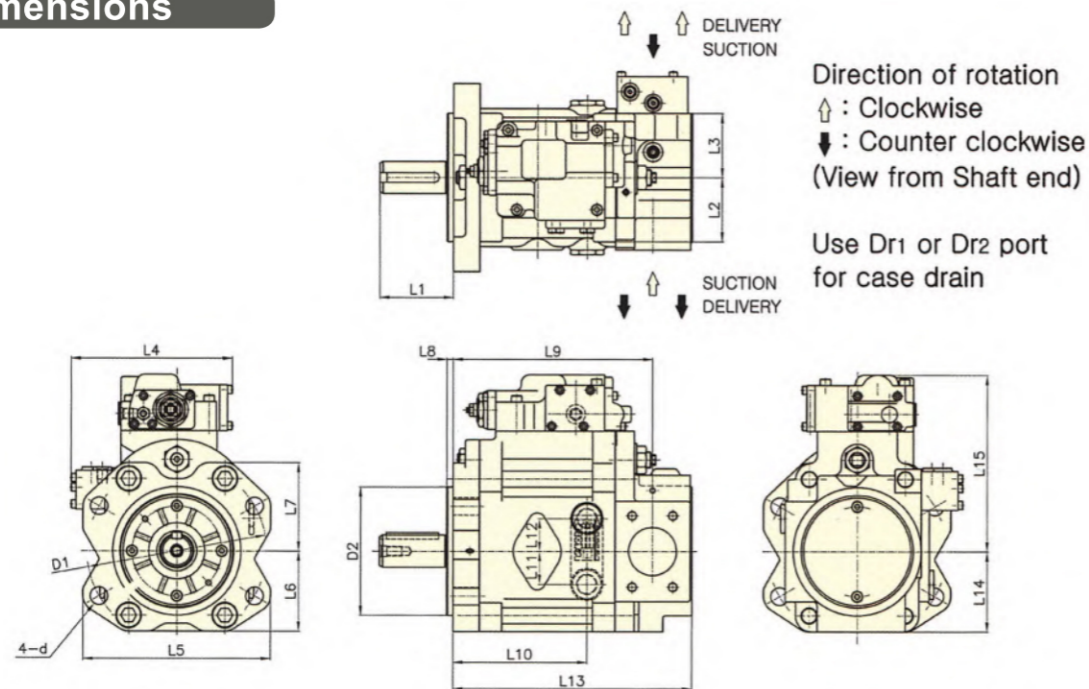


Specifications

Size		TM63	TM80	TM112	TM140	TM180
Displacement(cc/rev)		63*2	80*2	112*2	140*2	180*2
Pressure (kgf/cm ²)	Rated	320				
	Max.	350				
Speed (r.p.m)	¹ Max. for self priming	2650	2400	2360	2150	1950
	² Max.	3250	3000	2700	2500	2300
Max. input torque of tandem pump(kgf.m)		35	54	60	114	114
Weight(kgf)		81	84	125	160	160
Hydraulic fluid	Type	³ Antiwear hydraulic fluid				
	Oil temperature range	-20~+95 °C				
	Oil viscosity range	10~1000cst				
	Filtration	Suction line	80~150 mesh			
	Return line	nominal 10 micron meter				



Dimensions



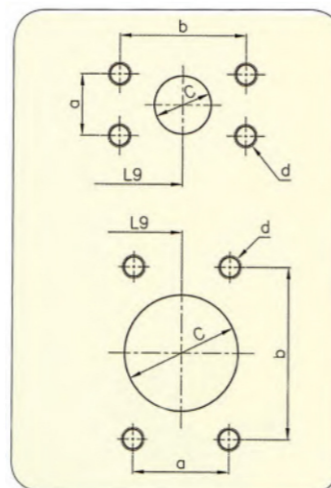
Size	D1	D2	d	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15
63	S Type G Type	180	125	18	76	70	70	190	89	98	8	120	138	37	37	262	89	195
112	S Type G Type	224	160	22	78 92	80	80	201 234	100	110	8	249	167	41	41	304	100	220
140/180	S Type G Type	250	180	22	93 92	100	92	213 256	112	123	8	285	190	53	53	348	112	245

SPLINE OF SHAFT END

Size	No. of teeth	Pitch circle dia	Pressure angle	Module	Rule
63	14	29.6	30°	12/24	SAE
112	12	30.0	20°	2.5	JIS D2001
140/180	17	42.5	20°	2.5	JIS D2001

FLANGE MOUNTING FACE FOR DELIVERY PORT(SAE RULE)

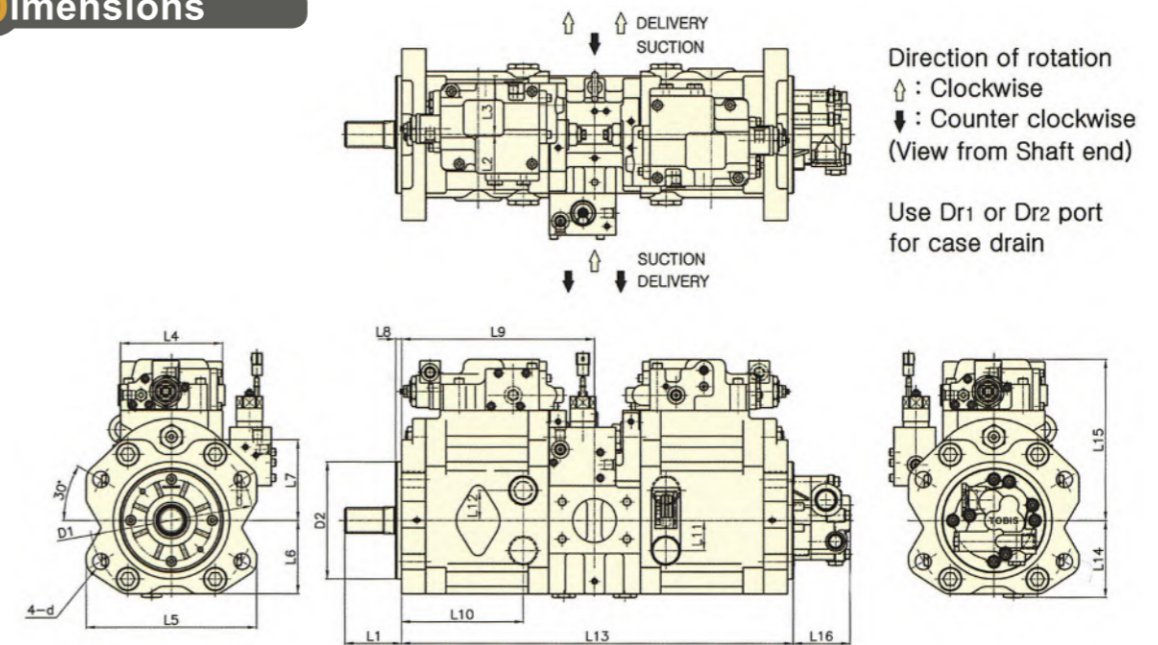
Size	a	b	c	d Thread
63	S Type	23.8	50.8	φ 19 M10-16
	G Type	27.8	57.2	φ 25 M10-16
112	S Type	23.8	50.8	φ 19 M10-16
	G Type	31.8	66.8	φ 30 M12-22
140/180	S Type	27.8	57.2	φ 25 M12-22
	G Type	36.5	79.4	φ 34.4 M16-24



FLANGE MOUNTING FACE FOR SUCTION PORT(SAE RULE)

Size	a	b	c	d Thread
63S	30.2	58.7	φ 32	M12-18
63G	35.7	69.9	φ 38	M12-18
112	50.8	88.9	φ 60	M12-18
140/180	61.9	106.4	φ 76	M16-24

Dimensions



Size	D1	D2	d	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L
63	180	125	18	76	70	70	140	190	89	98	8	228	138	37	37	464	97	195	78	618
80	180	125	18	76	70	70	140	190	89	98	8	228	138	37	37	464	97	195	78	618
112	224	160	22	78	80	80	140	234	100	110	8	265	167	41	41	538	109	220	78	694
140	250	180	22	93	92	92	140	256	112	123	8	305	190	53	53	618	121	245	80	791
180	250	180	22	93	92	92	140	256	112	123	8	305	190	53	53	618	121	245	80	791

SPLINE OF SHAFT END

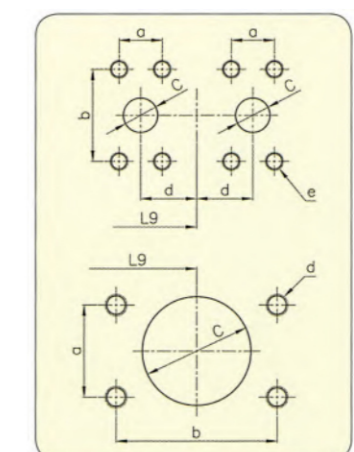
Size	No. of teeth	Pitch circle dia	Pressure angle	Module	Rule
OT63	14	29.6	30°	12/24	SAE
OT80	12	30.0	20°	2.5	JIS D2001
OT112	12	30.0	20°	2.5	JIS D2001
OT140	17	42.5	20°	2.5	JIS D2001
OT180	17	42.5	20°	2.5	JIS D2001

FLANGE MOUNTING FACE FOR DELIVERY PORT(SAE RULE)

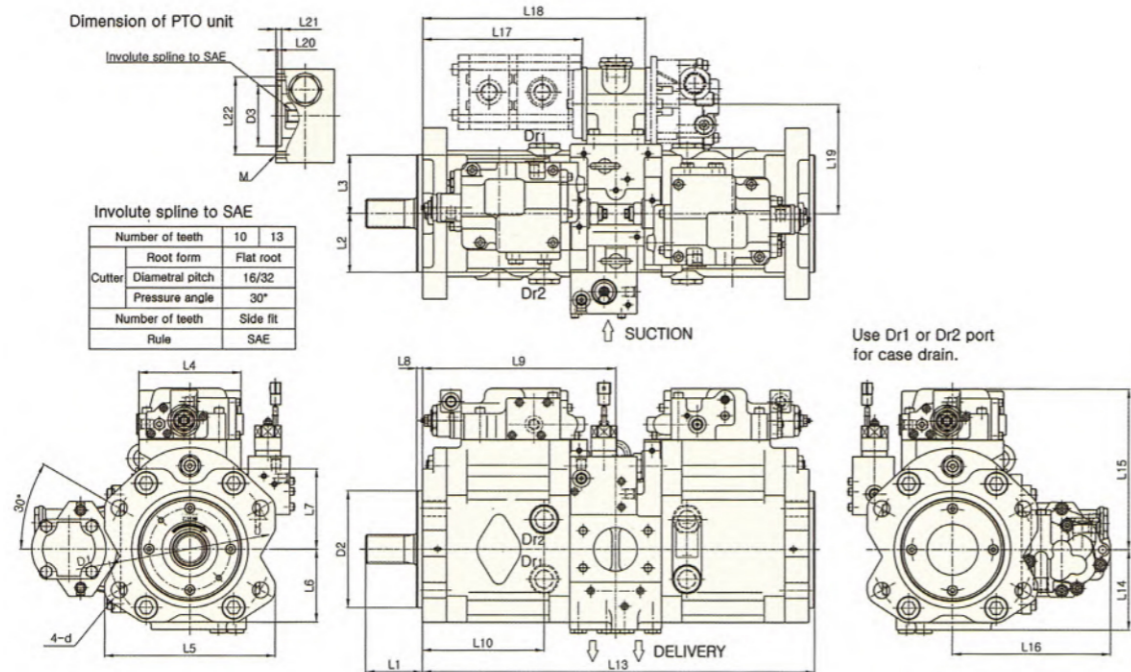
Size	a	b	c	d	e-Thread depth
OT63	23.8	50.8	φ 19	31	M10-16
OT80	23.8	50.8	φ 19	31	M10-16
OT112	23.8	50.8	φ 19	31	M10-16
OT140	27.8	57.2	φ 19	37.5	M12-22
OT180	27.8	57.2	φ 19	37.5	M12-22

FLANGE MOUNTING FACE FOR SUCTION PORT(SAE RULE)

Size	a	b	c	d-Thread depth
OT63	50.8	88.9	φ 60	M12-18
OT80	50.8	88.9	φ 60	M12-18
OT112	50.8	88.9	φ 60	M12-18
OT140	61.9	106.4	φ 76	M16-24
OT180	61.9	106.4	φ 76	M16-24



Dimensions



Size	D1	D2	D3	d	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10
80	φ 180	φ 125	φ 82.55	φ 18	76	70	70	140	190	89	98	8	228	138
112/140	φ 224	φ 160	φ 82.55	φ 22	78	80	80	140	234	100	110	8	265	167
Size	L11	L12	L13	L14	L115	L16	L17	L18	L19	L20	L21	L22	L	
80	37	37	464	110	195	217	180	268	150	2.4	7.8	106.4	540	
112/140	41	41	538	110	195	217	219	305	150	2.4	7.8	106.4	616	

SPLINE OF SHAFT END

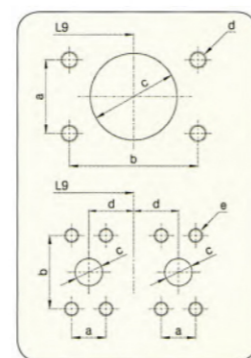
Size	No. of teeth	Pressure angle	Module	Major diameter	Minor diameter	Rule
80	12	20°	2.5	φ 34.5	φ 30	JIS
112/140	17	20°	2.5	φ 47	φ 42.5	JIS

FLANGE MOUNTING FACE FOR SUCTION PORT(SAE RULE)

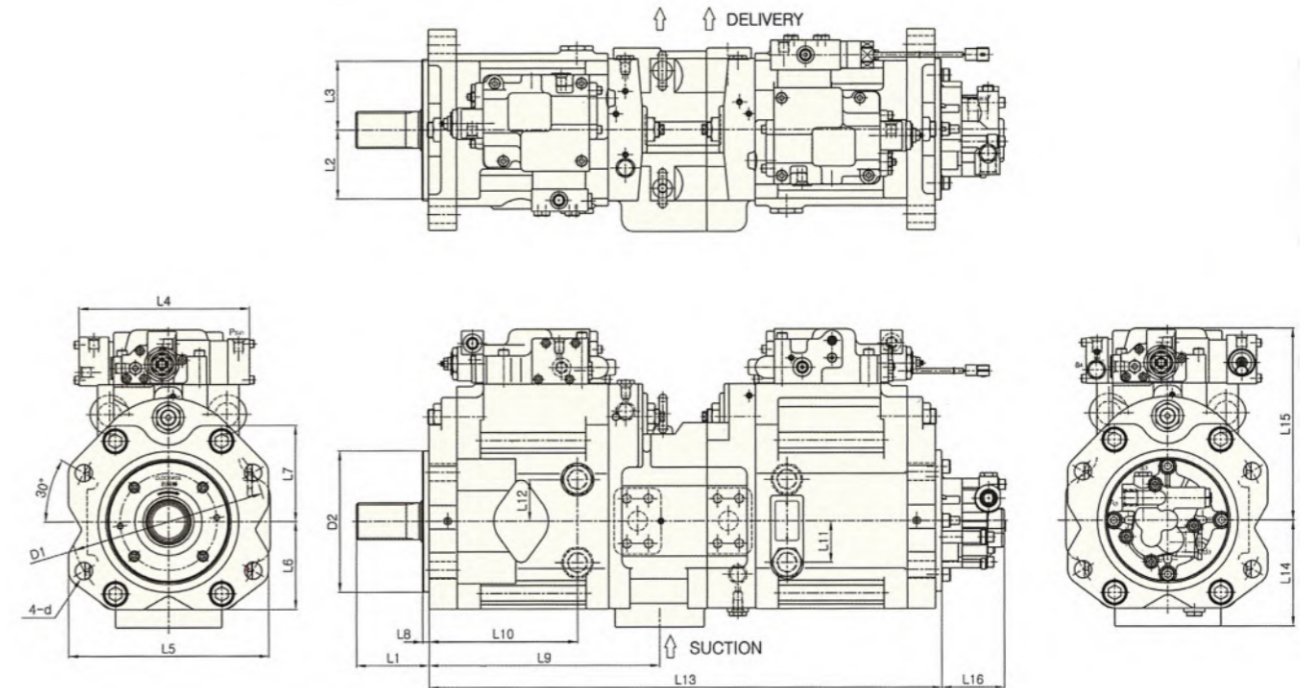
Size	a	b	c	d-Thread depth
80	50.8	88.9	φ 60	M12-18
112/140	50.8	88.9	φ 60	M12-18

FLANGE MOUNTING FACE FOR DELIVERY PORT(SAE RULE)

Size	a	b	c	d	e	f-Thread depth
80	23.8	50.8	φ 19	31	10	M10-16
112/140	23.8	50.8	φ 19	31	0	M10-16



Dimensions



D1	D2	d	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	L11	L12	L13	L14	L15	L16	L
φ 250	φ 180	φ 22	93	92	92	218	256	112	123	8	295	190	53	53	656	135	245	80	829

SPLINE OF SHAFT END

No. of teeth	Pressure angle	Module	Major diameter	Minor diameter	Rule
17	20°	2.5	φ 47	φ 42.5	JIS

FLANGE MOUNTING FACE FOR DELIVERY PORT(SAE RULE)

a	b	c	d	e-Thread depth
27.8	57.2	φ 25	116	M12-22

FLANGE MOUNTING FACE FOR SUCTION PORT(SAE RULE)

a	b	c	d-Thread depth
61.9	106.4	φ 76	M16-24

HITACHI



EX30



EX55



ZX75



EX120-5



ZX120 ZX110 HPK055



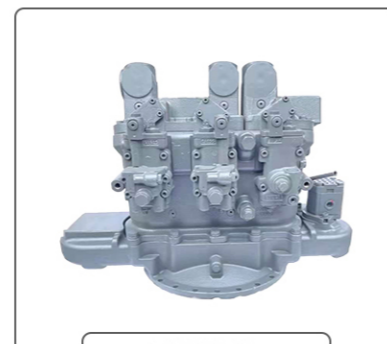
EX200-5



ZX200 HPV102



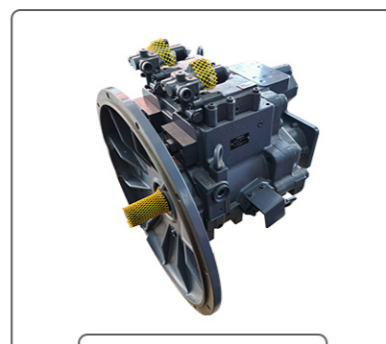
ZX200-3 HPV118



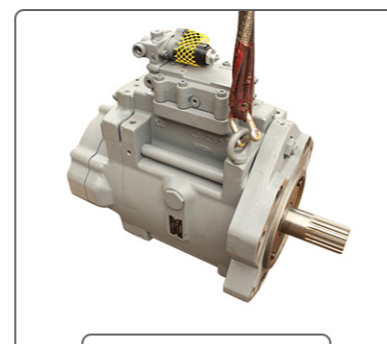
ZX200-5B



ZX330 HPV145



ZX450



EX1200-6

KOMATSU



PC55 PC56



PC60-7 6D102



PC75-3



PC200-6



PC200-7



PC200-8



PC300-3



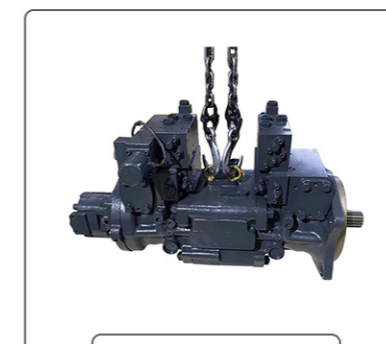
PC350-8MO



PC400-5



PC400-7



PC1250 708-2L-00682



PC1250-8

CARTERPILLAR



E318E



E320B



E320C 320D SBS120



E320GC



E329D SBS140



E330B



E330C



E330D



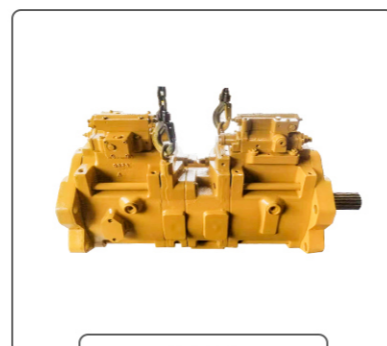
E336D2



E345



E374E



E385C

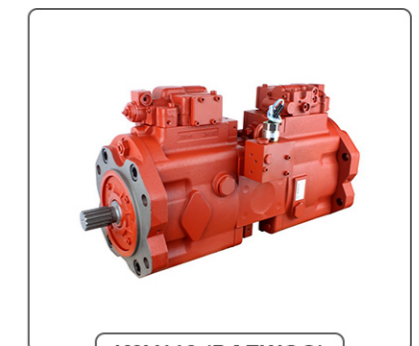
KAWASAKI



K3V63 (HYUNDAI)



K3V112 (SK200-6)



K3V112 (DAEWOO)



K3V112 (DAEWOO 225-9)



K3V112 (SUMITOMO)



K3V140 (DAEWOO)



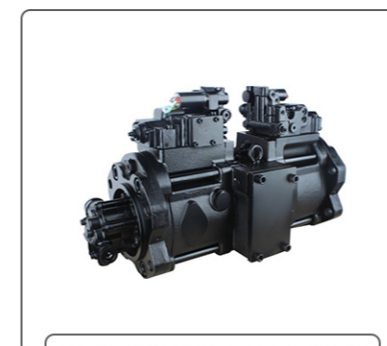
K3V140 (SANY 365)



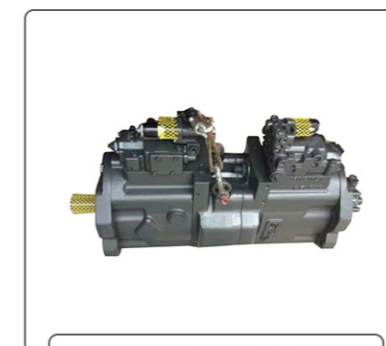
K3V180 (WITH PTU PORT)



K3V180 (VOLVO)



K5V140 (SHENSTEEL 350-8)



K5V160 SANY DEDICATED



SK485 K5V212

QUALITY IS THE SOUL OF OTTO

- 01 CYLINDER BLOCK
- 02 PISTON SHOE
- 03 PLATE VALVE
- 04 SET PLATE
- 05 BALL GUIDE
- 06 PISTON PLATE
- 07 SWASH PLATE
- 08 PUMP SHAFT



CYLINDER BLOCK



PISTON SHOE



PLATE VALVE



SET PLATE



BALL GUIDE



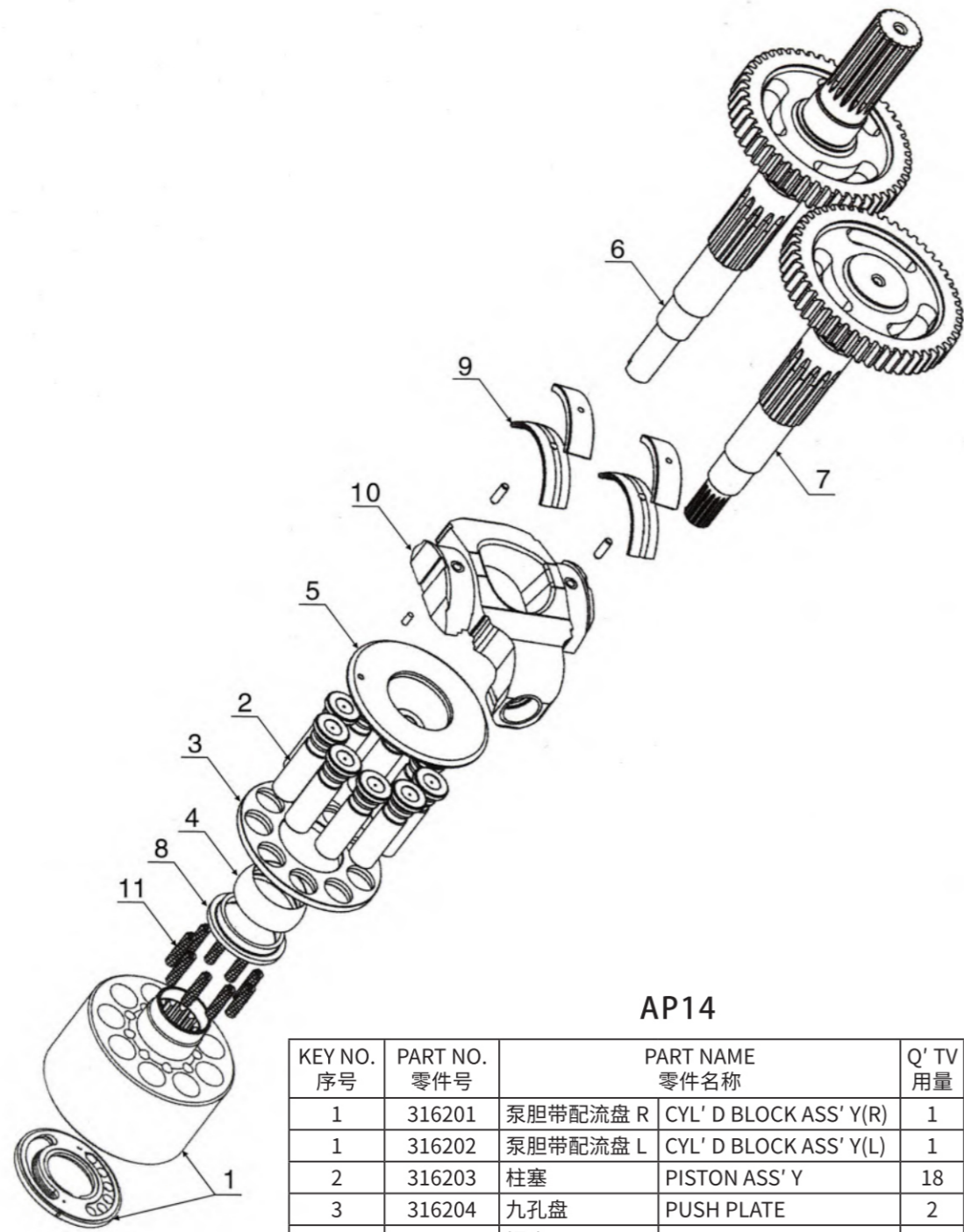
PISTON PLATE



PUMP SHAFT

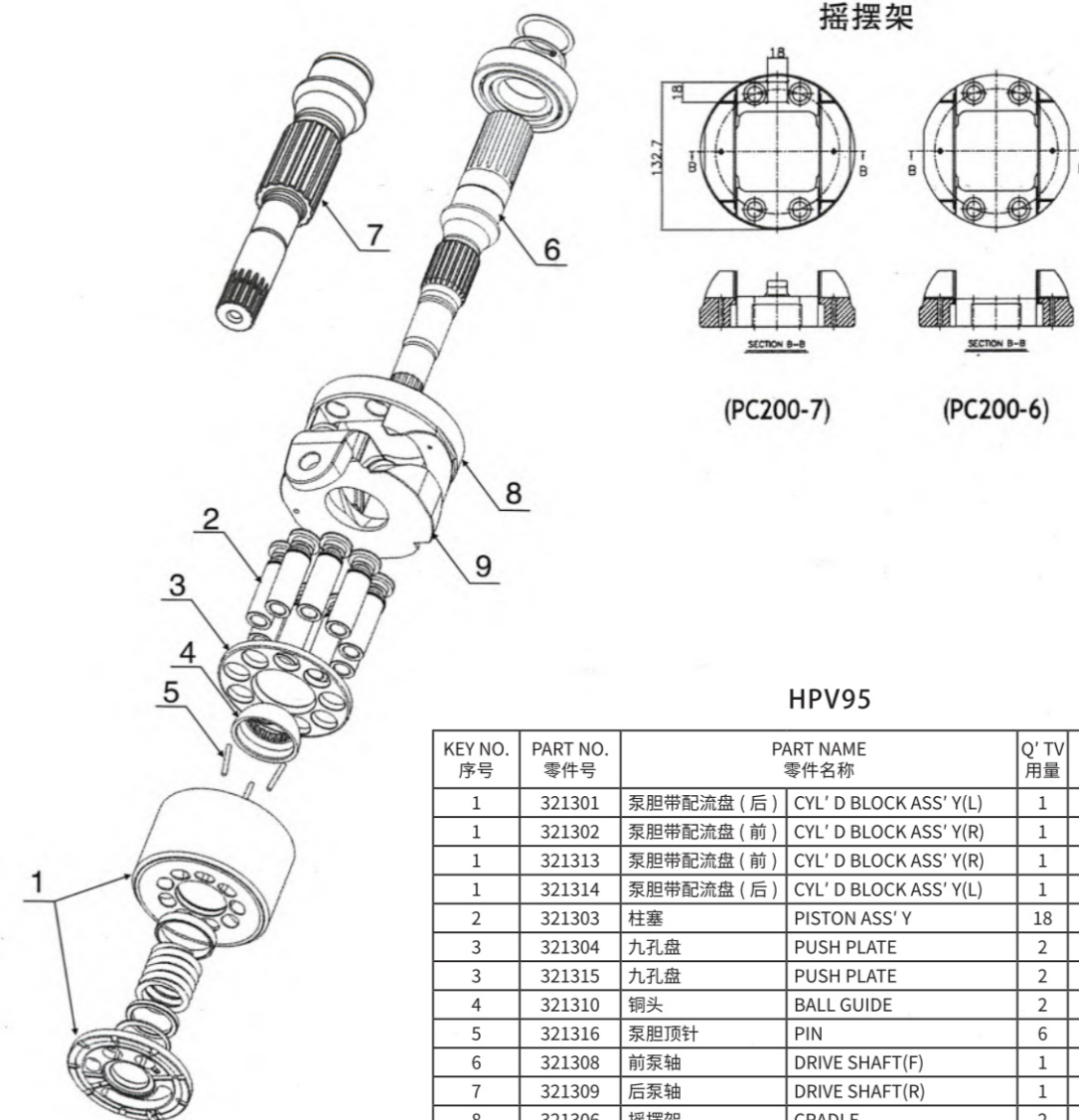
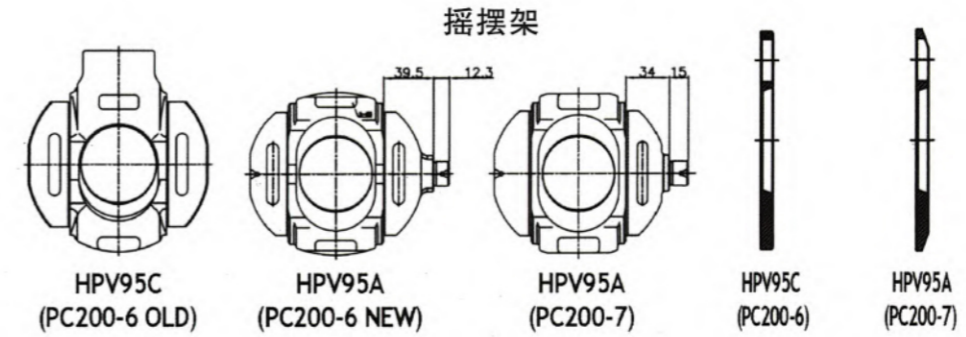


SWASH PLATE



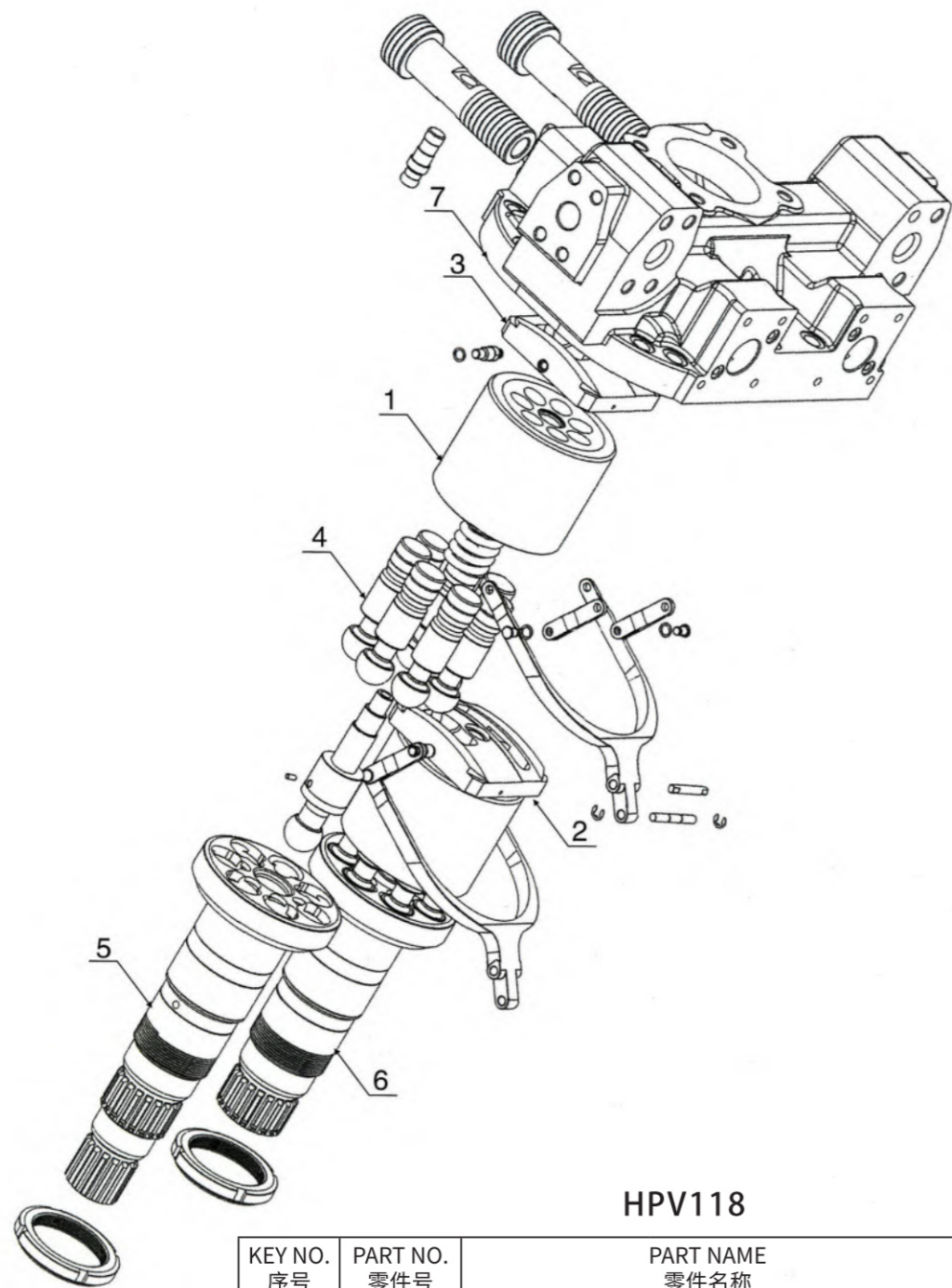
AP14

KEY NO. 序号	PART NO. 零件号	PART NAME 零件名称	Q' TV 用量	REMARKS 备注
1	316201	泵胆带配流盘 R	1	CYL' D BLOCK ASS' Y(R)
1	316202	泵胆带配流盘 L	1	CYL' D BLOCK ASS' Y(L)
2	316203	柱塞	18	PISTON ASS' Y
3	316204	九孔盘	2	PUSH PLATE
4	316205	铜头	2	BALL GUIDE
5	316206	柱塞光面	2	SHOE PLATE
6	316207	泵轴 (前)	1	DRIVE SHAFT(R)
7	316208	泵轴 (后)	1	DRIVE SHAFT(L)
8	316209	铜头垫片	2	SPACER
9	316210	轴瓦	4	BEARING
10	316211	摇摆	2	SWASH PLATE
11	316212	泵胆小弹簧	18	BLOCK SPRING



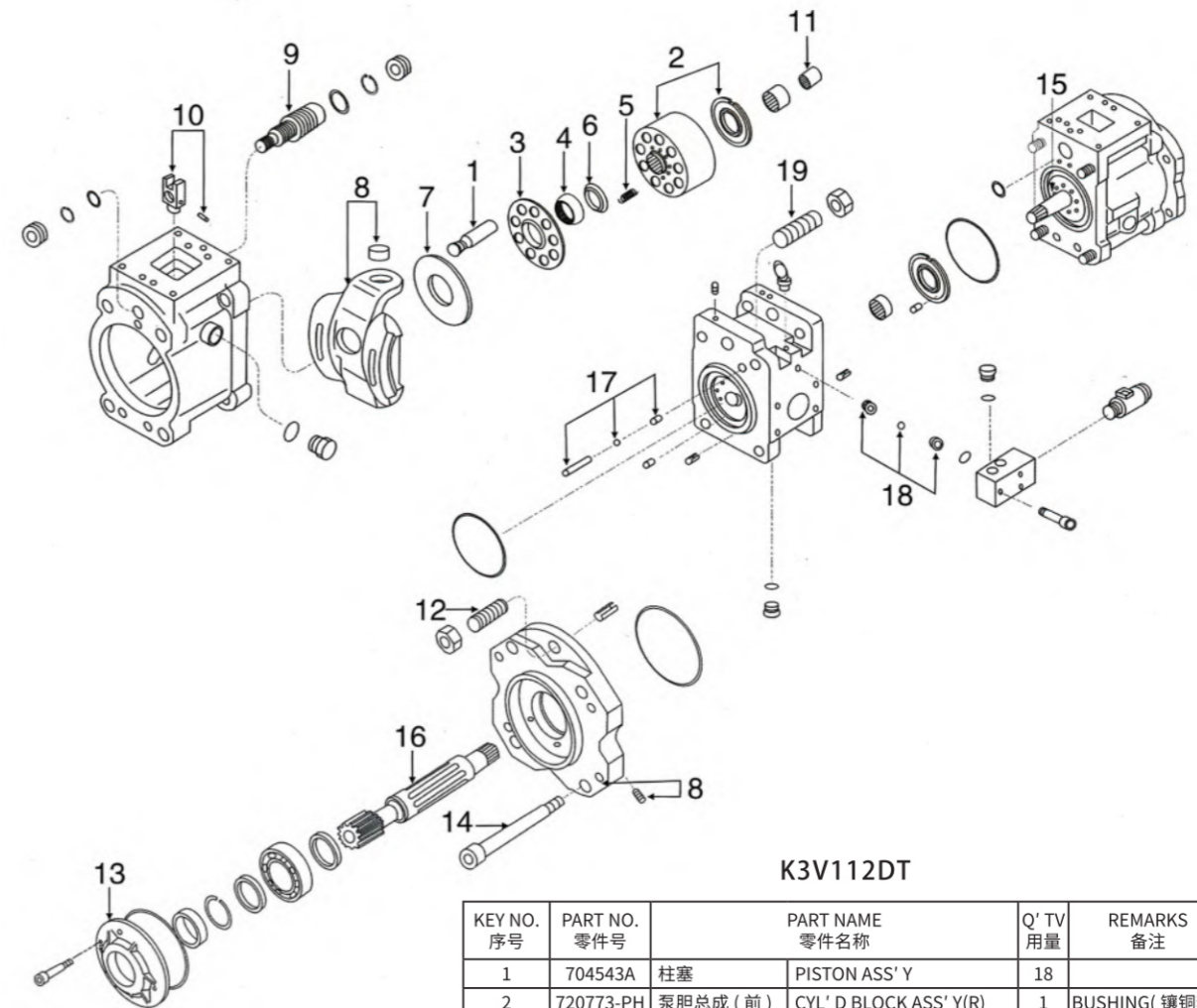
HPV95

KEY NO. 序号	PART NO. 零件号	PART NAME 零件名称	Q' TV 用量	REMARKS 备注
1	321301	泵胆带配流盘 (后)	1	CYL' D BLOCK ASS' Y(L)
1	321302	泵胆带配流盘 (前)	1	CYL' D BLOCK ASS' Y(R)
1	321313	泵胆带配流盘 (前)	1	CYL' D BLOCK ASS' Y(R)
1	321314	泵胆带配流盘 (后)	1	CYL' D BLOCK ASS' Y(L)
2	321303	柱塞	18	PISTON ASS' Y
3	321304	九孔盘	2	PUSH PLATE
3	321315	九孔盘	2	PUSH PLATE
4	321310	铜头	2	BALL GUIDE
5	321316	泵胆顶针	6	PIN
6	321308	前泵轴	1	DRIVE SHAFT(F)
7	321309	后泵轴	1	DRIVE SHAFT(R)
8	321306	摇摆架	2	CRADLE
8	321307	摇摆架	2	CRADLE
9	321305A	摇摆	2	CAM ROCKER
9	321305B	摇摆	2	CAM ROCKER
9	321305C	摇摆	2	CAM ROCKER



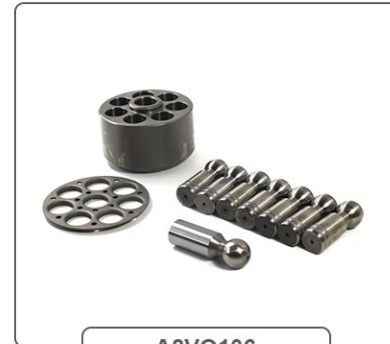
HPV118

KEY NO. 序号	PART NO. 零件号	PART NAME 零件名称	Q' TV 用量	REMARKS 备注
1	312701	泵胆	2	
2	312702	配流盘 (L)	1	
3	312703	配流盘 (R)	1	
4	312103	柱塞	14	=HPV116
5	312707A	主泵轴 (短)	1	L=280.6
5	312707B	主泵轴 (长)	1	L=285.6
6	312708	付泵轴	1	
7	312710	后盖	1	

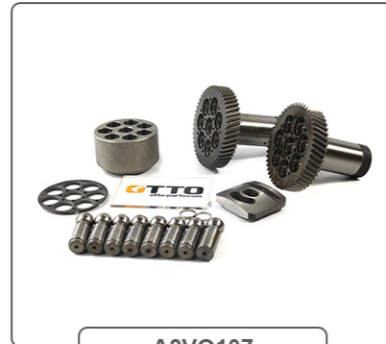


K3V112DT

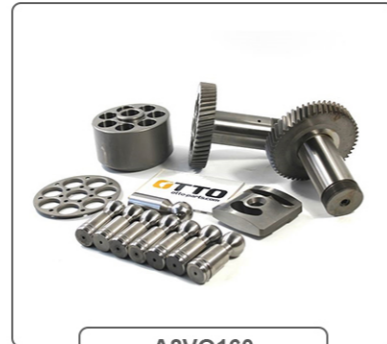
KEY NO. 序号	PART NO. 零件号	PART NAME 零件名称	Q' TV 用量	REMARKS 备注
1	704543A	柱塞	18	
2	720773-PH	泵胆总成 (前)	1	BUSHING(镶铜套)
2	720774-PH	泵胆总成 (后)	1	BUSHING(镶铜套)
2	716776-PH	泵胆总成 (前)	1	BI-METAL(合成铜)
2	716777-PH	泵胆总成 (后)	1	BI-METAL(合成铜)
2	720775-PH	泵胆总成 (后)	1	STEEL(钢)
2	720778-PH	泵胆总成 (前)	1	STEEL(钢)
3	115786	九孔盘	2	
4	121437	铜头	2	
5	134535	小弹簧	18	
6	113789	小弹簧垫圈	2	
7	113790B	柱塞光面	2	
8	718437	滑块架总成	2	
9	113798C	伺服阀杆	2	
10	717005	滑块拨叉	2	718418
11	113783A	联接套	1	
12	118892	滑块架限位螺丝	2	
13	113792	前端盖	1	
14	113797	泵体大螺栓	8	
15	124569B	后轴	1	13T
16	135323	前轴	1	14T
16	124568B	前轴	1	12T
17	704549A	中间体单向阀	2	长 704544
18	704550A	中间体单向阀	2	短
19	113803	中间体限位螺丝	2	



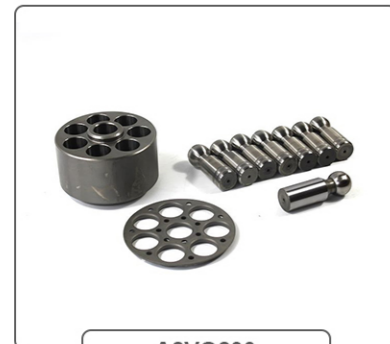
A8VO106



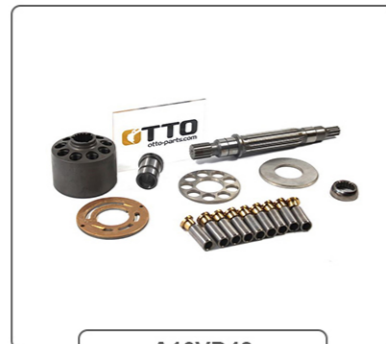
A8VO107



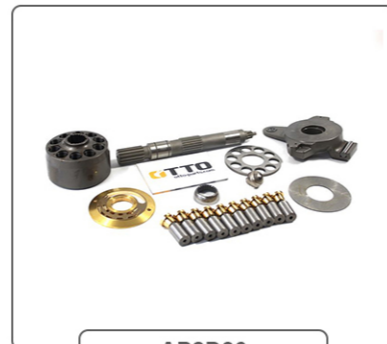
A8VO160



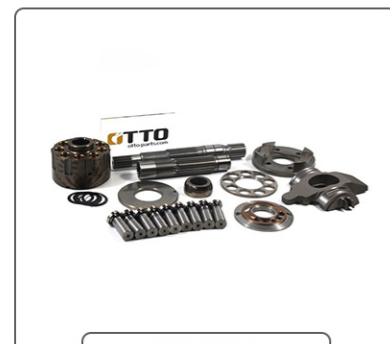
A8VO200



A10VD43



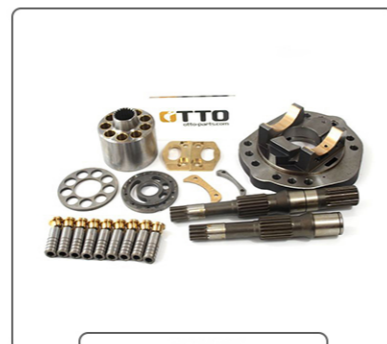
AP2D36



HPK055K



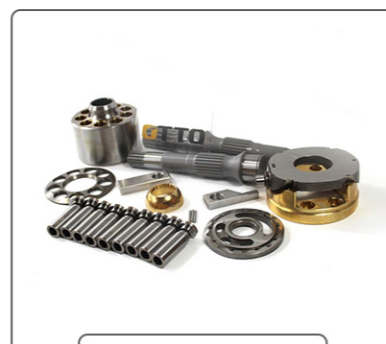
HPV35



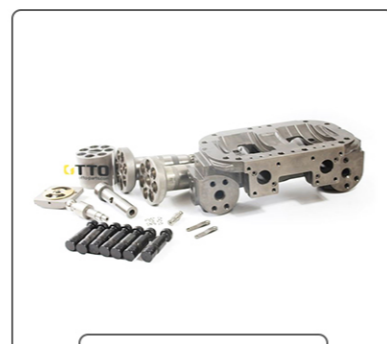
HPV55



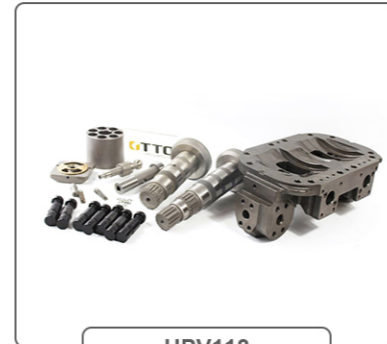
HPV091



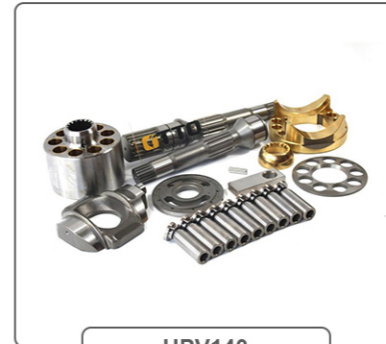
HPV95



HPV102



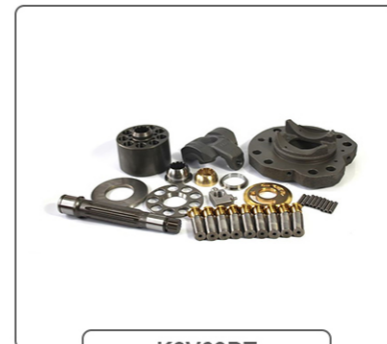
HPV118



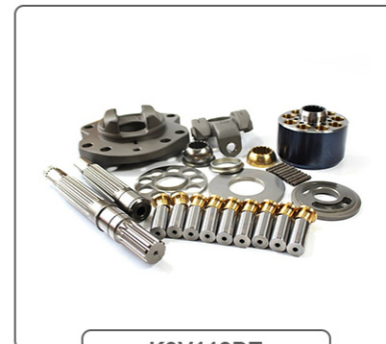
HPV140



HPV145



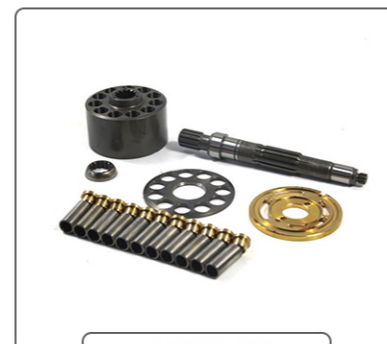
K3V63DT



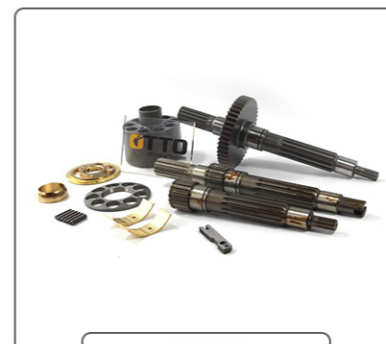
K3V112DT



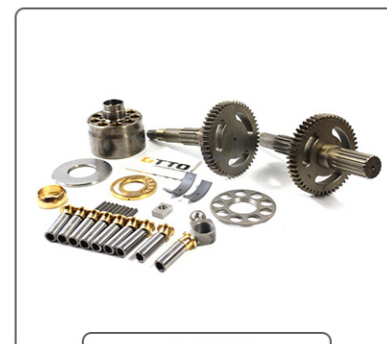
K5V200



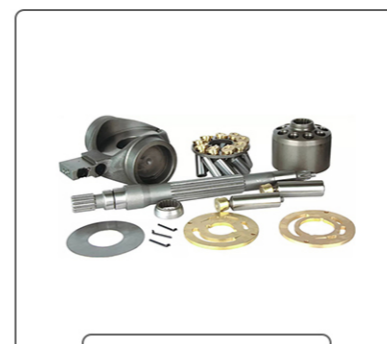
PVK-2B-505



SBS80



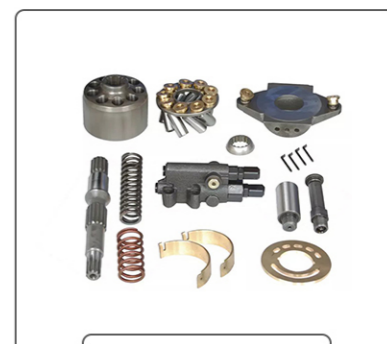
SBS120



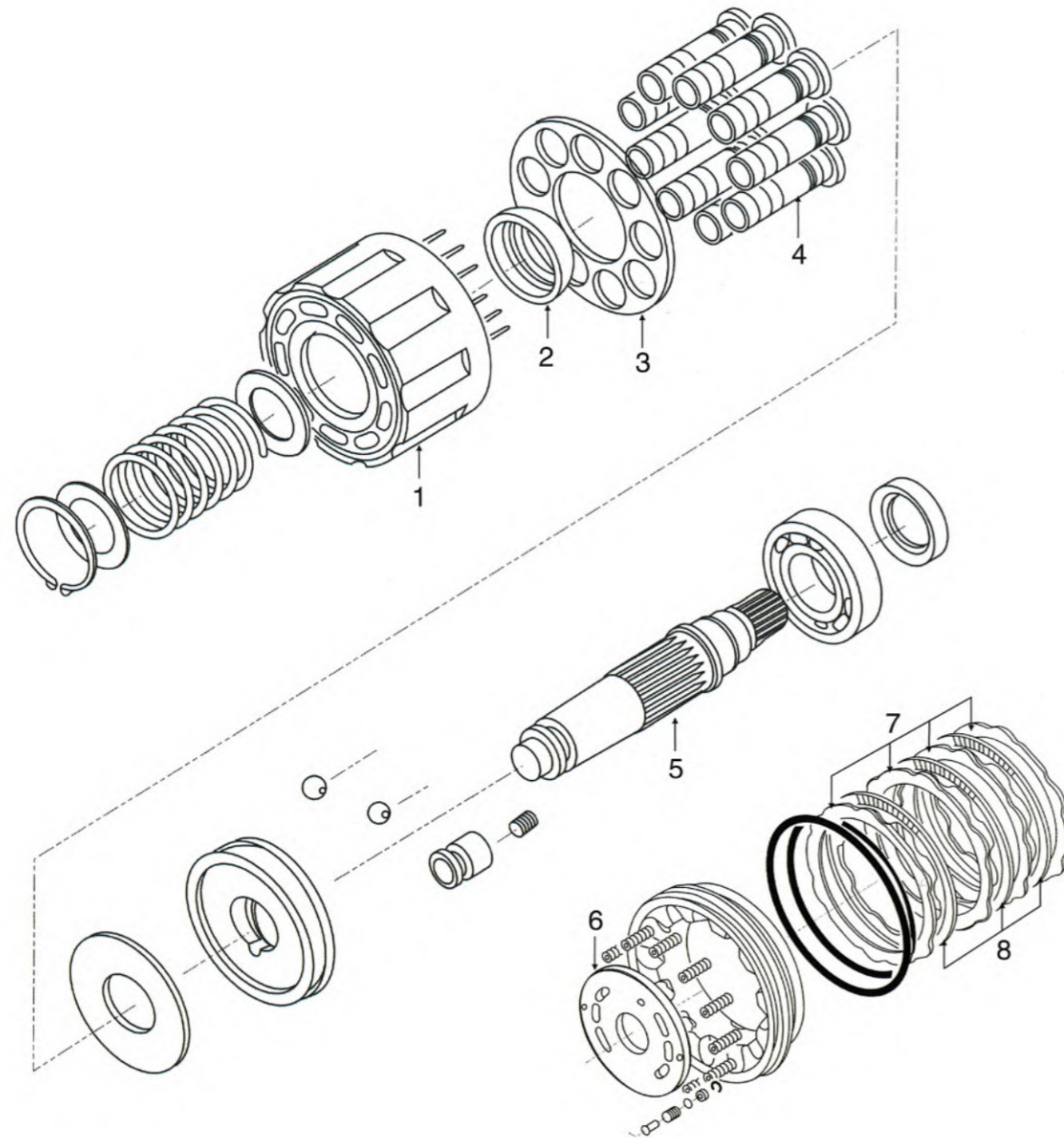
HYDRAULIC PARTS



HYDRAULIC PARTS

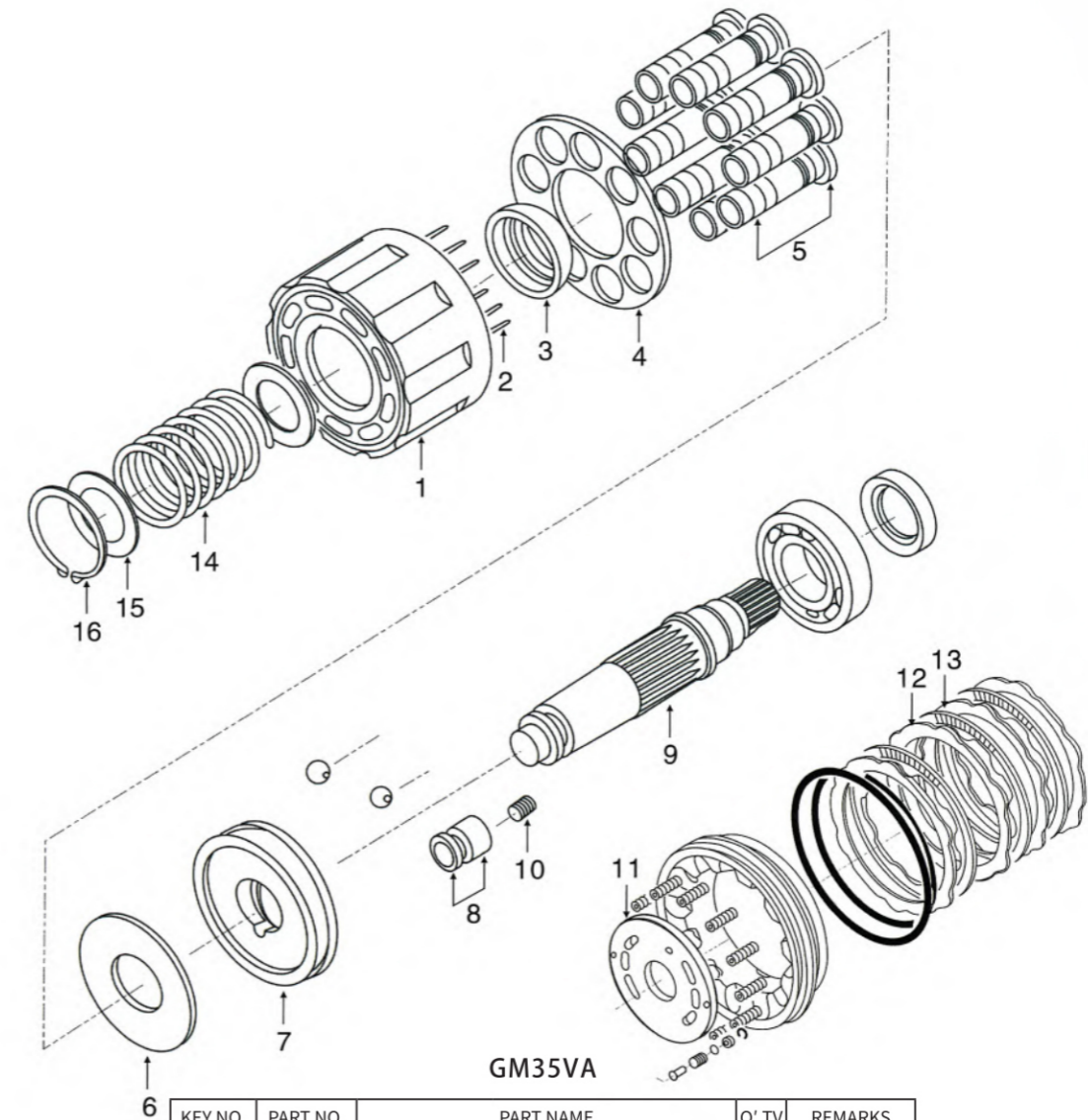


HYDRAULIC PARTS



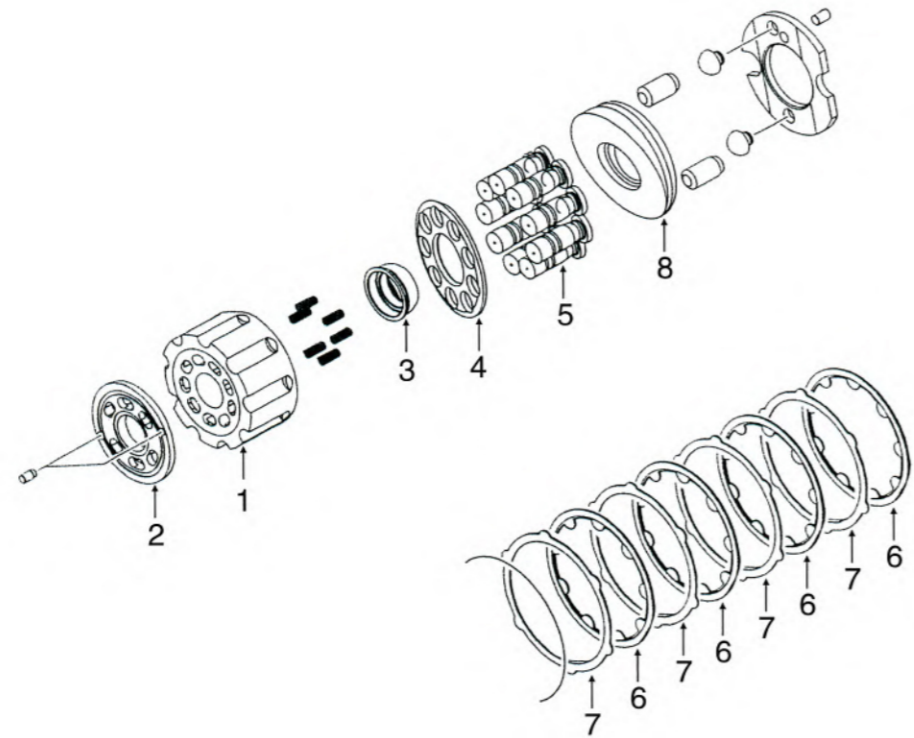
TM40VC

KEY NO. 序号	PART NO. 零件号	PART NAME 零件名称	Q' TV 用量	REMARKS 备注
1	143549B	泵胆	1	
2	203339B	铜头	1	GM35VA
3	119885	九孔盘	1	GM35VA
4	723379A	柱塞	9	
5	112580A	泵轴	1	GM35VA
6	143570	配流盘	1	
7	112912	摩擦钢片	4	GM35VA
8	112911	摩擦片	3	GM35VA



GM35VA

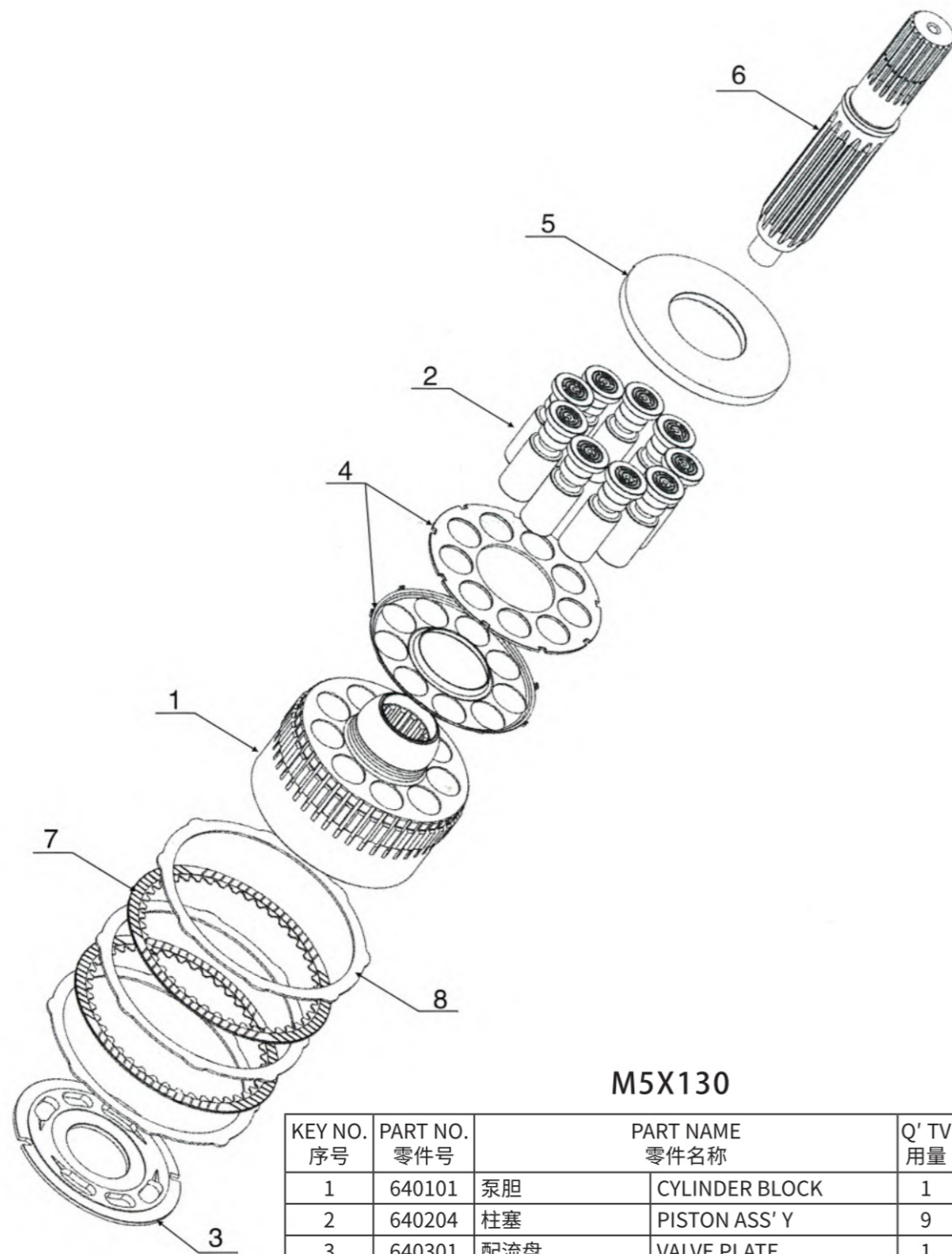
KEY NO. 序号	PART NO. 零件号	PART NAME 零件名称	Q' TV 用量	REMARKS 备注
1	112583A	泵胆	1	
2	120001	泵胆顶针	6	
3	203339B	铜头	1	
4	119885	九孔盘	1	
5	703799B	柱塞	9	
6	121842	柱塞平面	1	
7	112581C	滑块	1	
7	112582C	滑块	1	
7	130435	滑块	1	
8	703798F	高速档柱塞	1	
9	112580A	泵轴	1	
10	123744	高速挡弹簧	1	
11	112910A	配流盘	1	
12	112912	摩擦钢片	4	
13	112911	摩擦碳片	3	
14	215392	泵胆弹簧	1	
15	104595B	泵胆弹簧垫片	2	
16	202582	泵胆卡簧	1	



HMGE36EA

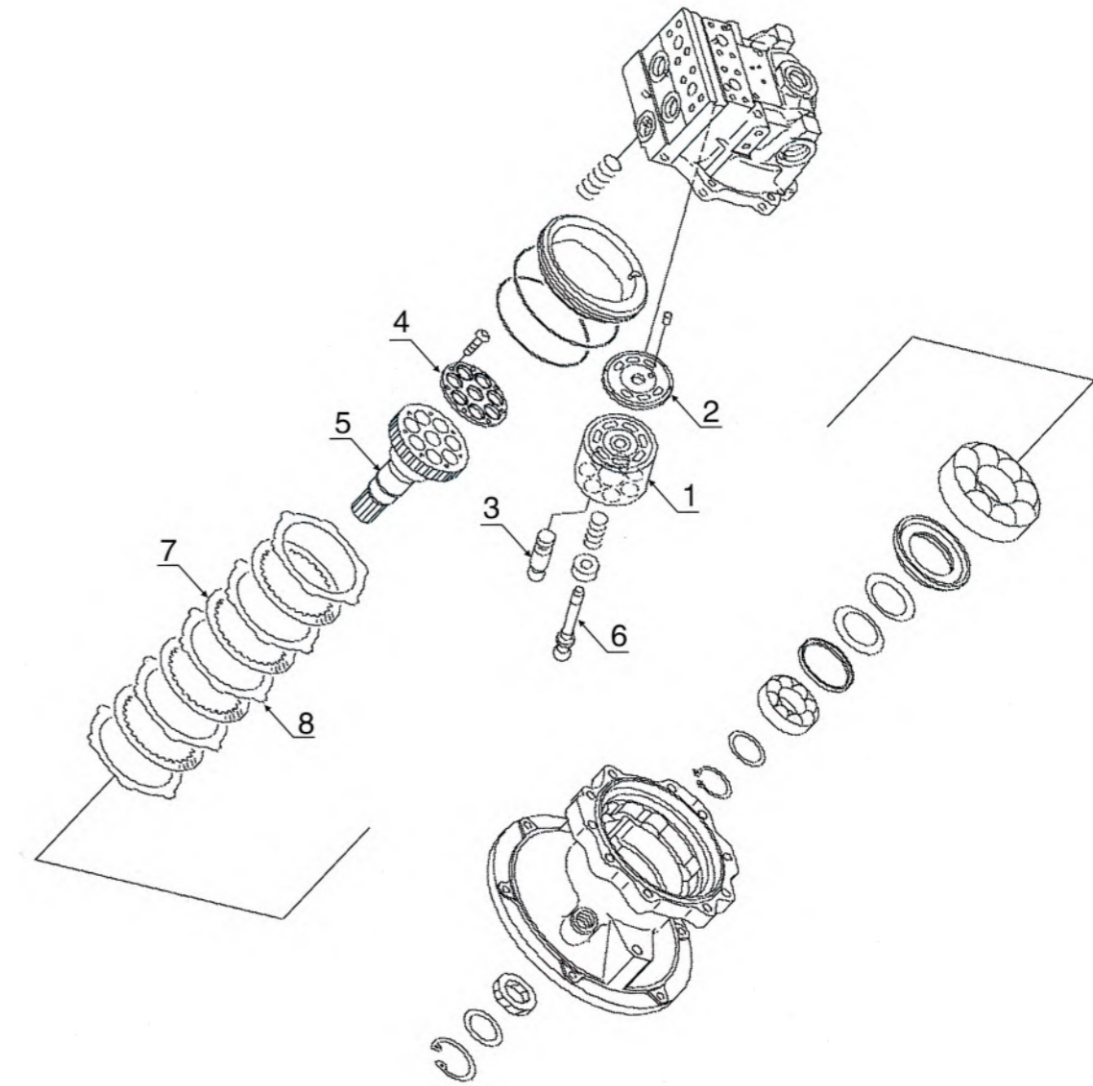
KEY NO. 序号	PART NO. 零件号	PART NAME 零件名称		Q' TV 用量	REMARKS 备注
1	700821	泵胆	CYLINDER BLOCK	1	
2	700822	配流盘	VALVE PLATE	1	
3	700825	铜头	BALL GUIDE	1	
4	700824	九孔盘	SET PLATE	1	
5	700823	柱塞	PISTON ASS'Y	9	
6	700827	摩擦片	FRICTION PLATE	4	
7	700828	摩擦钢片	SEPARATION PLATE	4	
8	700826	斜盘	SWASH PLATE	1	





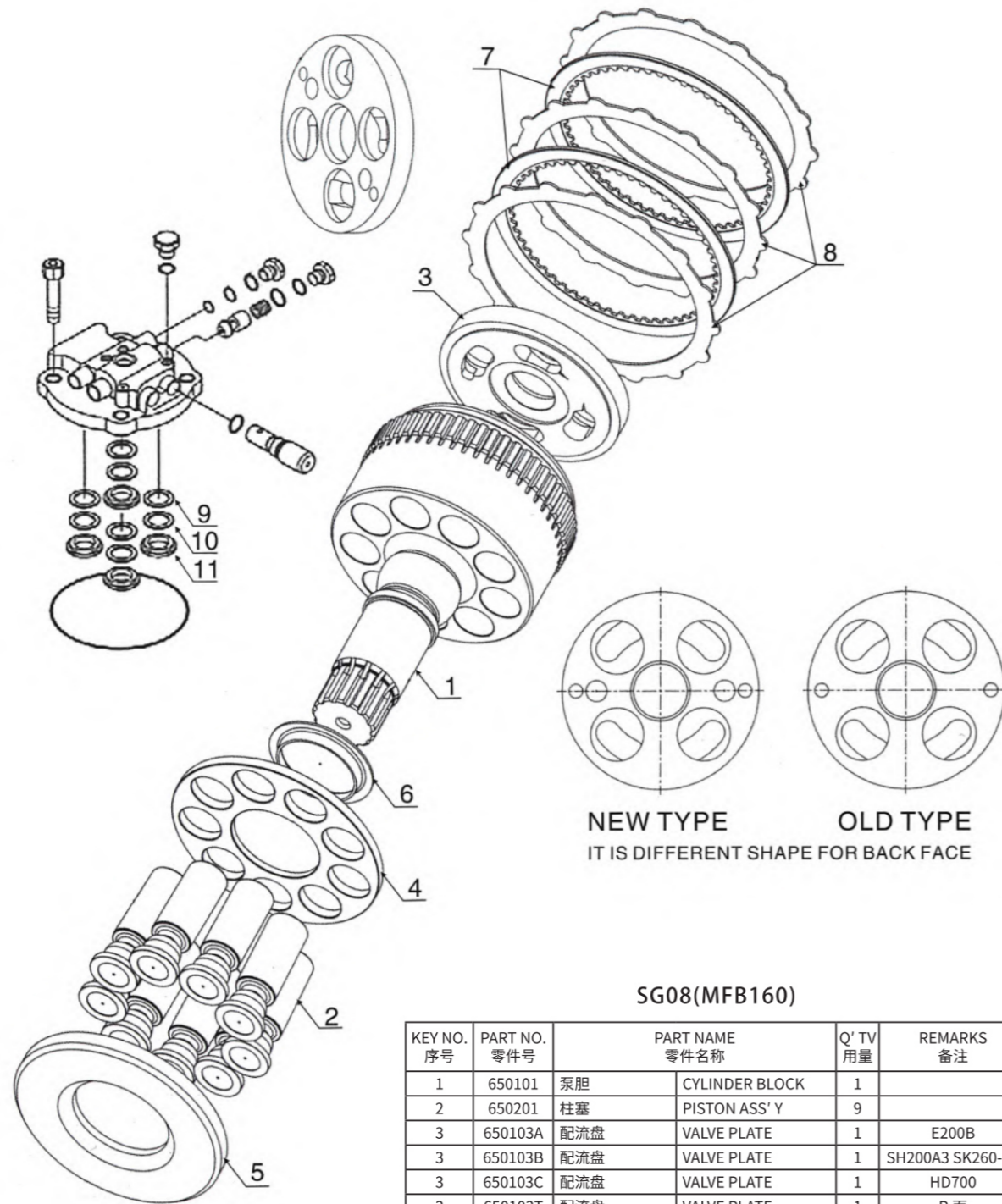
M5X130

KEY NO. 序号	PART NO. 零件号	PART NAME 零件名称	Q' TV 用量	REMARKS 备注
1	640101	泵胆 CYLINDER BLOCK	1	
2	640204	柱塞 PISTON ASS'Y	9	
3	640301	配流盘 VALVE PLATE	1	
4	640302	九孔盘 + 弹性压板 SET PLATE WITH SPRING	1	
5	640305	柱塞平面 SHOE PLATE	1	
6	640326	泵轴 DRIVE SHAFT	1	21T
6	640326B	泵轴 DRIVE SHAFT	1	19T
7	640318	摩擦碳片 FRICTION PLATE	2	
8	640319	摩擦钢片 SEPARATION PLATE	3	



MB85(PC200-7)

KEY NO. 序号	PART NO. 零件号	PART NAME 零件名称	Q' TV 用量	REMARKS 备注
1	641201	泵胆 CYLINDER BLOCK	1	
2	641202	配流盘 VALVE PLATE	1	
3	641203	柱塞 PISTON ASS'Y	7	带环
4	641204	七孔盘 SET PLATE	1	
5	641207	泵轴 DRIVE SHATE	1	
6	641210	中心柱塞 CENTER PIN	1	
7	641208	摩擦碳片 FRICTION PLATE	4	
8	641209	摩擦钢片 SEPARATION PLATE	5	



SG08(MFB160)

KEY NO. 序号	PART NO. 零件号	PART NAME 零件名称	Q' TV 用量	REMARKS 备注
1	650101	泵胆	1	CYLINDER BLOCK
2	650201	柱塞	9	PISTON ASS'Y
3	650103A	配流盘	1	E200B
3	650103B	配流盘	1	SH200A3 SK260-6E
3	650103C	配流盘	1	HD700
3	650103T	配流盘	1	R 面
4	350104	九孔盘	1	内孔带台阶
4	350104B	九孔盘	1	
5	650105	柱塞平面	1	SHOE PLATE
6	650106	钢皮垫片	1	SPACER
7	650108	摩擦碳片	2	FRICTION PLATE
8	650109	摩擦钢片	3	SEPARATION PLATE
9	650111	弹簧垫片	4	WAVE SPRING
10	650110	白胶垫圈	4	RING-TEFLOW
11	650112	白胶垫圈座	4	BUSH



JMF-151



M2X150 M2X170



M5X130



M5X180



SG04 MFB80



SG08 MFB160



EX100-2 AP5S53



M2X55



M2X120



M2X210



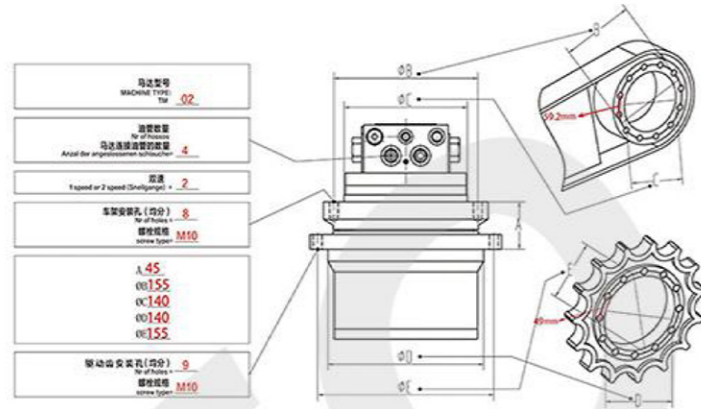
PC400-7



ZX70 MFC040



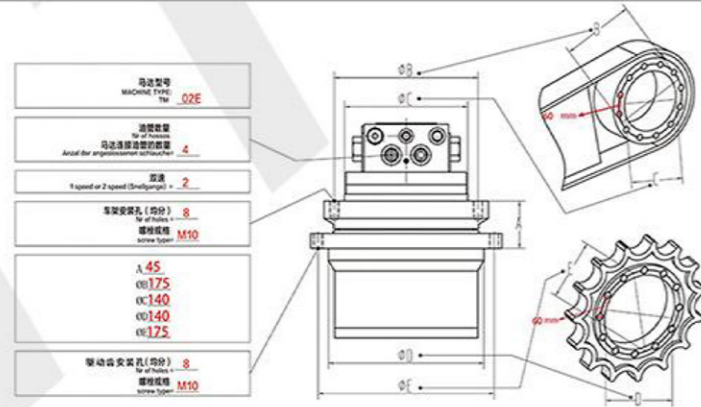
TM02



APPLICATION: 1-1.8 TON EXCAVATOR, NACHI PHV-1B
KOBELCO SK15 YUCHAI YC18 CASE CX18 KOMATSU PC14R2/PC15R8 PC07
NEWHOLLAND E18C HITACHI ZX18 IHI 10F2 KUBOTA U15/U15-3 KX41.2



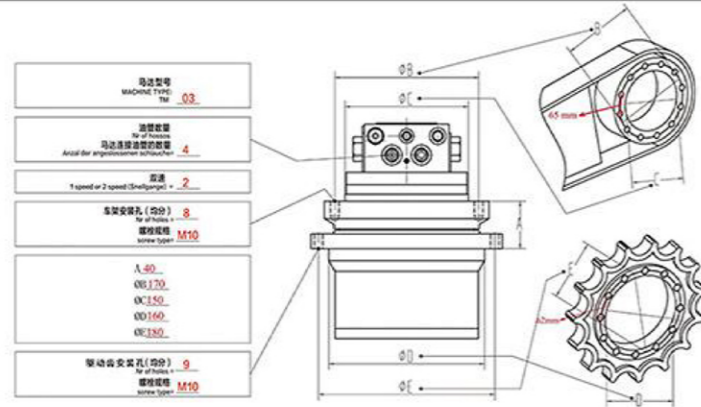
TM02E



APPLICATION: 1-1.8 TON EXCAVATOR, MAG-12V-12K
KUBOTA KX41.2 KUBOTA KX36.3 KUBOTA KX41.2V



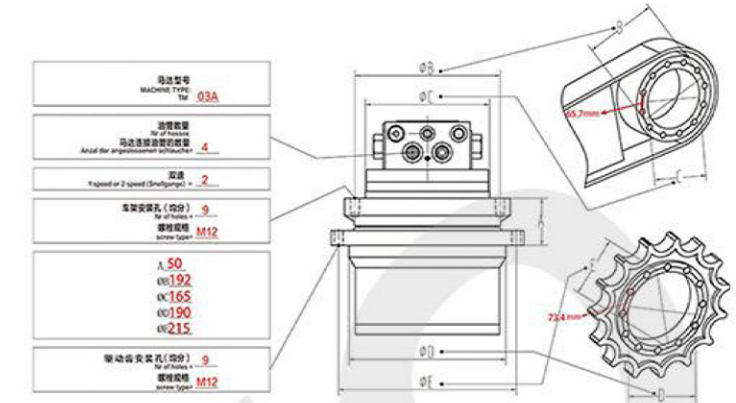
TM03



APPLICATION: 2-2.8 TON EXCAVATOR, NACHI PHV-1B, KYB MAG18V-220
VOLVO EC20 KUBOTA KX61-3 KUBOTA U20 CASE CX22B CASE CX27
YANMAR VIO20.2 B17.2/B18/B19/B20 KOMATSU PC20 IHI 15J IHI 20NX2



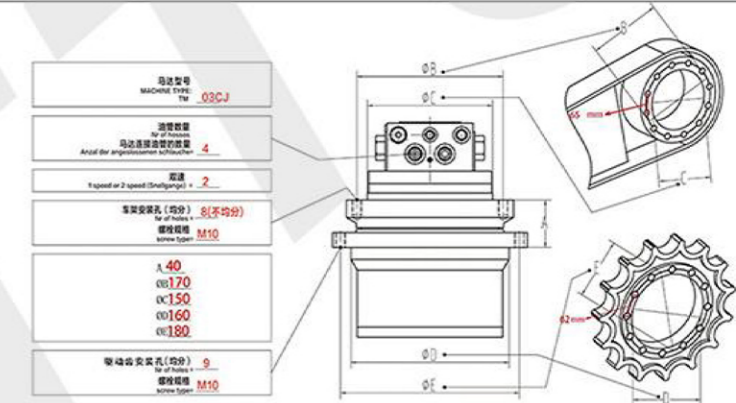
TM03A



APPLICATION: 2.8-3.5 TON EXCAVATOR, NACHI PHV35B, KYB MAG18VP-250/290/350
HITACHI EX35/ZX30 VOLVO EC25 KOMATSU PC30 YANMAR B22/B25/B37 VIO30 JCB802.7
IHI 28N/25VX/30NX CASE CK25 TAKEUCHI TB125 KUBOTA KX61 KX71 KX91.3 BOBCAT 325



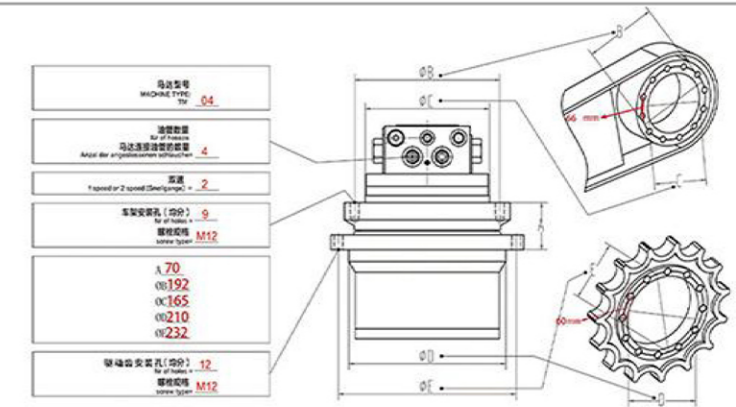
TM03CJ



APPLICATION: 2-2.8 TON EXCAVATOR, KYB MAG18V-230F
YANMAR VIO 20



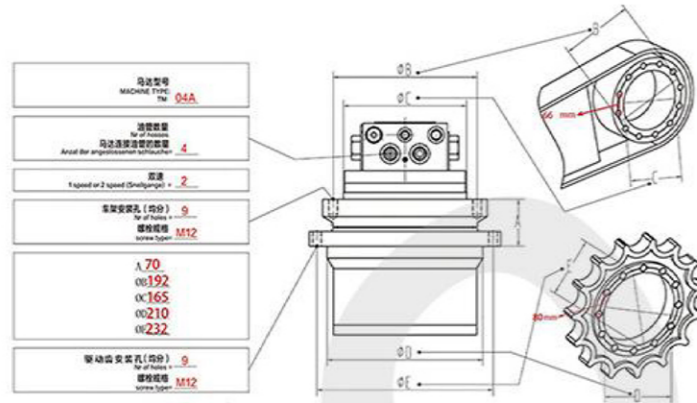
TM04



APPLICATION: 3-4 TON EXCAVATOR, NACHI PHV-390-53B
HITACHI ZX40 KOMATSU PC30 PC35 PC40



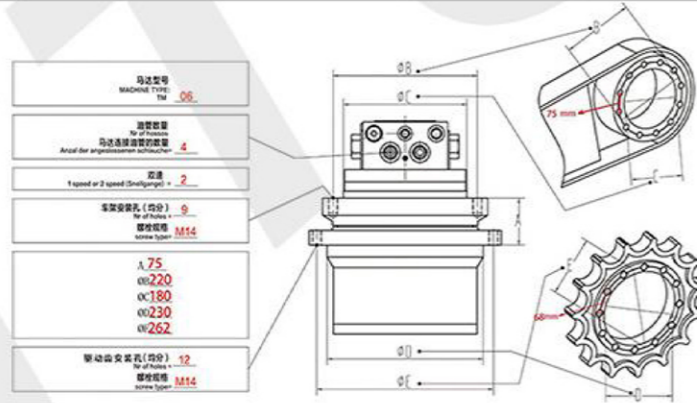
TM04A



APPLICATION: 3-4 TON EXCAVATOR, KYB MAG26V-400
HITACHI EX35 KOBELCO SK40 YANMAR B37 IHI 35J KOMATSU PC30/35/40
BOBCAT 328D/331D CAT E303.5 TAKEUCHI TB035 WACKER NEUSON 2702RD/2902RD



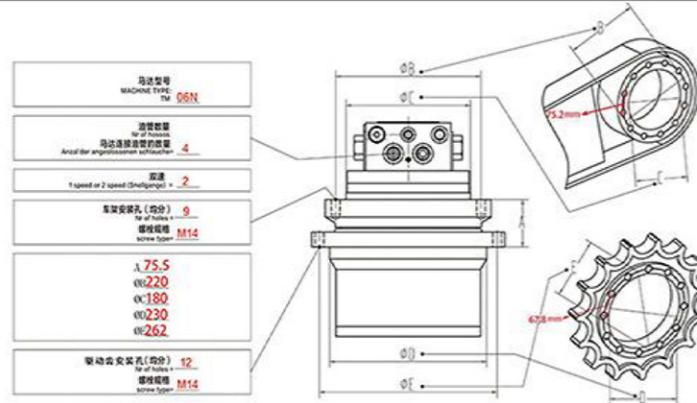
TM06



APPLICATION: 5-6 TON EXCAVATOR, NACHI PHV-4B-60B
KOMATSU PC50 PC56 CATERPILLAR E305 E305.5



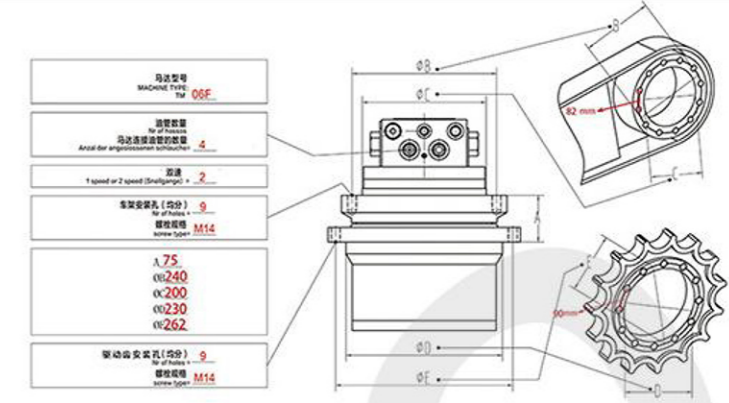
TM06N



APPLICATION: 5-6 TON EXCAVATOR, NABTESCO GM06
KMOATSU PC45 PC50 PC55 PC56



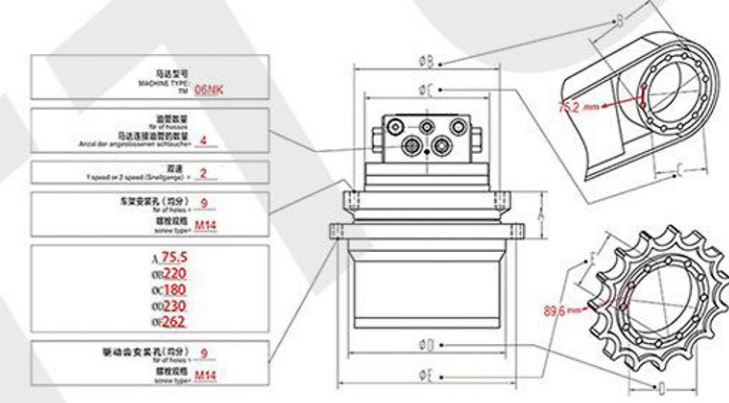
TM06F



APPLICATION: 5-6 TON EXCAVATOR, KYB MAG-33VP-550F-10
LOVOL FR60 SUNWARD SWE60 SWE70



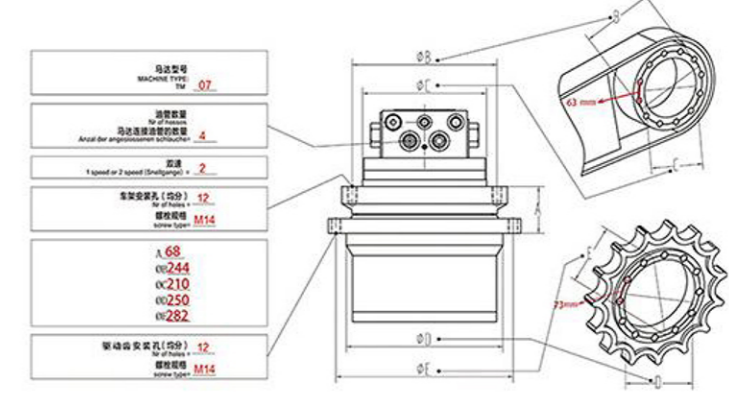
TM06NK



APPLICATION: 5-6 TON EXCAVATOR, NACHI PHV-4B-60B
KOMATSU PC45 PC50 CATERPILLAR E305.5 VOLVO EC45
IHI 40NX/45NX



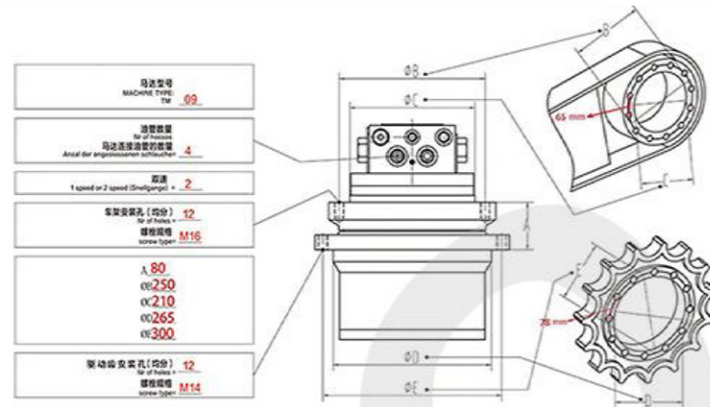
TM07



APPLICATION: 5.5-6.5 TON, JEIL/PMC JMV141; 6TM442201-R; TM07VC-A-19; NABTESCO GM07VC
KOBELCO SK60 XCMG XE60 SDLG LG660/665 CASE CX55 DOOSAN DH55/70 DX60
SANY SY60/65 HYUNDAI R55/60 VOLVO EC55 XGMA XG806 SUNWARD SWE50N9



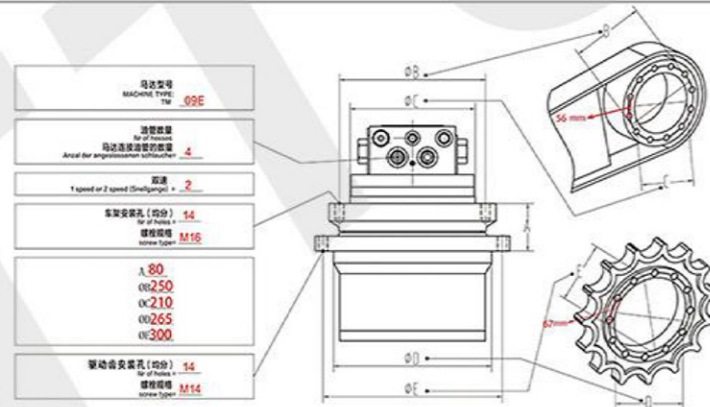
TM09



APPLICATION: 6-8.5 TON, JEIL/PMC JM47/27; GM09VN GM10VL; KYB MAG44VP; 7TM 8TM; TM10VD
KOMATSU PC60/80 SUNWARD SWE85 CAT 70B E307/308 SANY SY75/95 KOBELCO SK60/70
SUMITOMO SH60 LOVOL FR80/85 VOLVO ECR88 SDLG LG685/690 LIUGONG CLG908/910



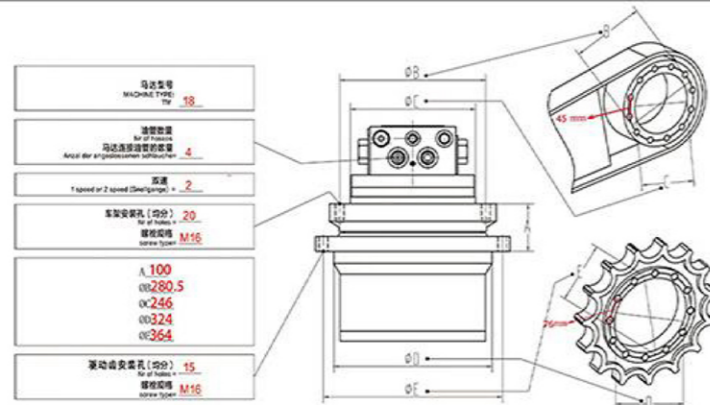
TM09E



APPLICATION: 6-8.5 TON EXCAVATOR
KOMATSU PC75UU PC78UU



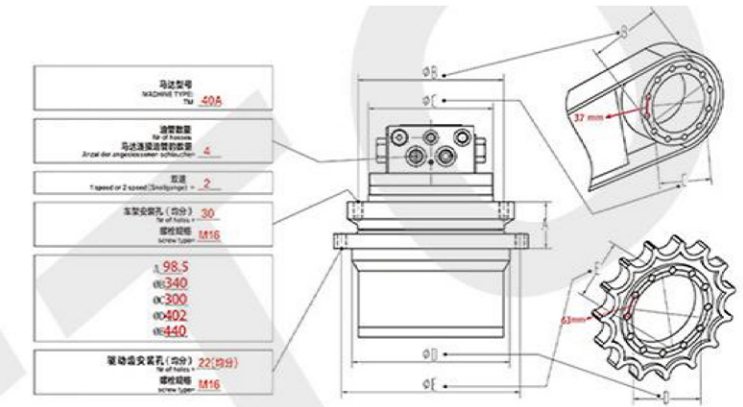
TM18



APPLICATION: 10-13 TON, JEIL 14TM; NABTESCO GM18VL; TM18VC
KATO HD510/512 YUCHAI YC135 LIUGONG CLG120/130 KOBELCO SK100/120
LOVOL FR130 SUMITOMO SH120 DOOSAN DH100/120 KOMATSU PC110/120/128/130



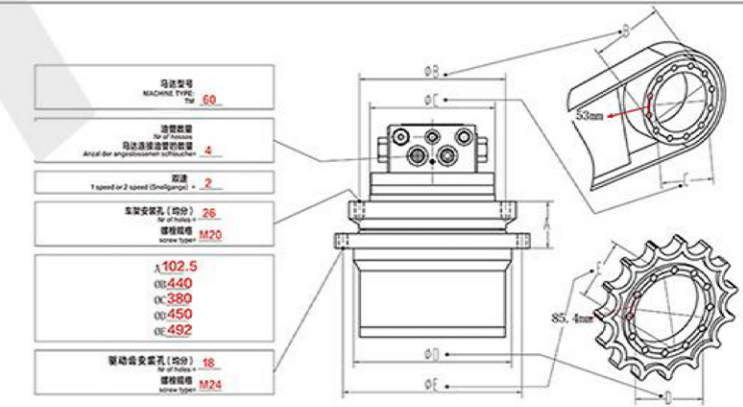
TM40A



APPLICATION: 18-25 TON EXCAVATOR, KYB MAG-170VP-3800
KATO HD800-7 SUMITOMO SH210 HYUNDAI R210



TM60



APPLICATION: 10-13 TON EXCAVATOR, KYB MAG-85VP-1800
CAT E311 E312B E312C E312D SANY SY135
HYUNDAI R110 SUMITOMO SH265

Excavator Hydraulic Parts

HITACHI

- 1.ZAX400
- 2.ZAX470
- 3.ZAX120
- 4.EX120-5
- 5.EX200-1
- 6.EX200-2
- 7.EX200-3
- 8.EX200-5
- 9.ZAX200
- 10.EX300-1
- 11.EX300-2
- 12.EX300-3
- 13.ZAX70
- 14.ZAX55
- 15.EX200-2
- 16.EX220-2/3
- 17.EX200-5
- 18.EX220-5
- 19.ZAX200
- 20.ZAX230
- 21.ZAX330
- 22.EX300-5
- 23.EX120-2/3
- 24.EX120-5
- 25.ZAX120
- 26.ZAX55/60
- 27.EX60-2/3
- 28.EX100
- 29.EX200-1
- 30.EX200-5
- 31.ZAX200
- 32.ZAX240-3
- 33.ZAX330-2
- 34.EX300-5
- 35.EX300
- 36.EX120-3/5
- 37.ZAX120行走

KOMATSU

- 1.PC30UU
- 2.PC40-8
- 3.PC45
- 4.PC60
- 5.PC60-7(4D102)
- 6.PC78US
- 7.PC100-5
- 8.PC120-5
- 9.PC130-8
- 10.PC160-7
- 11.PC200-3
- 12.PC200-5
- 13.PC200-3/5
- 14.PC220-3/5
- 15.PC200-8
- 16.PC200-6
- 17.PC200-7
- 18.PC200-6
- 19.PC200-7
- 20.PC300-3
- 21.PC400-3
- 22.PC300-5
- 23.PC400-5
- 24.PC300-5
- 25.PC400-5
- 26.PC300-6
- 27.PC400-6
- 28.PC350-7
- 29.PC360-7
- 30.PC400-7
- 31.PC200-2/3
- 32.PC60-6
- 33.PC50-8
- 34.PC60-7
- 35.PC45
- 36.PC78US
- 37.PC120-6
- 38.PC130-7
- 39.PC130-8

- 38.PC120-5/6
- 39.PC40MR-1
- 40.PC220-6
- 41.PC300-7
- 42.PC400-7

- 29.E450B
- 30.E70B
- 31.E307C
- 32.E312
- 33.E312C
- 34.E70B
- 35.E305
- 36.E305.5
- 37.E200B
- 38.E330B
- 39.E320
- 40.E330C

CATERILLAR

- 1.E330D
- 2.E345D
- 3.E336D
- 4.E200B
- 5.E320
- 6.E325C
- 7.E329E
- 8.E320C
- 9.E320D
- 10.E312C
- 11.E307
- 12.E308
- 13.E306C
- 14.E320B
- 15.E330B
- 16.E330C
- 17.E120B
- 18.E307D
- 19.E307E
- 20.E306E
- 21.E320B
- 22.E312D
- 23.E315D
- 24.E320C
- 25.E320D
- 26.E120B
- 27.E305.5
- 28.E300B

KAWASAKI

- 1.K3V63DT
- 2.K3V63BDT
- 3.K3V63DT
- 4.K3V63BDT
- 5.K5V80
- 6.K3V80DT
- 7.K3V112DT
- 8.K3V112BDT
- 9.K3V112DT
- 10.K7V140
- 11.K7V125
- 12.K3V140DT
- 13.K3V180DT
- 14.K3V140DT
- 15.K3V180DT
- 16.K5V140
- 17.K3V280
- 18.K5V200
- 19.K5V212
- 20.K5V160
- 21.K7SP36
- 22.K7V63
- 23.K3VL28

24.K7V28
25.M2X63
26.M2X96
27.M2X120
28.M2X146
29.M2X150
30.M2X170
31.M3X128
32.M5X80
33.M5X130
34.M5X180
35.M3X530

REXROTH

1.AP2D25
2.AP2D28
3.AP12
4.AP14
5.A20VO64
6.A10VD43
7.AP2D12
8.AP2D14
9.AP2D16
10.AP2D18
11.AP2D18
12.AP2D21
13.AP2D30
14.AP2D36
15.A10VO18
16.A10VO28
17.A10VO45
18.A10VO63
19.A10VO71
20.A11V075
21.A8V55
22.A8V86

23.A8V107
24.A8VO120
25.A8VO140
26.A8VO160
27.A8VO200
28.A8VO225
29.A8VO120

NATESCO

1.GM35VA
2.GM35VA
3.GM35VL
4.GM35VL
5.GM38
6.GM21
7.GM18VL
8.GM17VL
9.GM17VL
10.GM18VL
11.GM23
12.GM09VL
13.GM08
14.GM07VL
15.GM06VL
16.GM05VL
17.GM05VA

SWING GEARBOX

1.DH150
2.DH150-7
3.DH220-5
4.DH225-7
5.DH225-7/9
6.DH258
7.DH258
8.DH300-5
9.DH300-7
10.DH370
11.DH370-7
12.DH500
14.DH500-7
15.DH55
16.DH60
17.DH55
18.DH80-7
19.DX380
20.E120B
21.E200B
22.E307
23.E307C
24.E311C
25.E312
26.E312B
27.E312C
28.E313D
29.312CD
30.E315D
31.E318
32.E318D
33.E320B
34.E320B/C
35.E320C
36.E320D2
37.E324D
38.E324D/325D/329
39.E325C

40.E329D
41.E330C
42.E330D
43.E336D
44.E345D
45.EC140
46.EC210
47.EC240
48.EC290
49.EC350
50.EC360
51.EC380
52.EC460
53.EC55
54.EC700
55.EX120-1
56.EX120-2/3
57.EX120-5
58.EX200-2
59.EX200-5
60.EX200-6
61.EX300-5
62.EX350-5
63.EX400-3/5
64.EX55
65.EX60
66.EX70
67.HD1250
68.HD1430
69.HD400/512
70.HD700-7
71.HD820
72.JCB220
73.LG200
74.LG200(180)
75.LG200(190)
76.LG225
77.LG225(180)

78.LG225(190)
79.LG240
80.LG925
81.LG936/XCMG370
82.PC120-5
83.PC120-6
84.PC200-6
85.PC200-7
86.PC200-7
87.PC200-8
88.PC220-7
89.PC300-7
90.PC360-7
91.PC350-7
92.PC360-7
93.PC56
94.PC56-7
95.PC60-7
96.R130
97.R130-7
98.R210-7
99.R215(210)
100.R250-7
101.R250-7
102.R265-7
103.R305-7
104.R335-7
105.R335--7
106.R450
107.R60-7
108.R80-7
109.SH120
110.SH200
111.SH350/CASE360
112.SH60
113.SK135
114.SK140
115.SK140-8
116.SK200-5
117.SK200-5/6
118.SK200-6
119.SK200-8
120.SK200-8SUPPER8
121.SK250-8
122.SK350-8
123.SK460
124.SK460-8
125.SK60-5
126.SY135
127.SY135-8
128.SY135-8/PC120-6SHANTUI
129.SY245/265 12TOOTH
130.SY305-8H 14TOOTH
131.SY335 15TOOTH
132.SY335-9 11TOOTH
133.SY335-9
134.SY365
135.SY465/XCMG470
136.SY465/XCMG470/LG950
137.SY485
138.VOV210
139.VOV360
140.VOV460
141.VC85-6
142.YC85-6KYB
143.ZX450
144.LIUGONG908/E80
145.SW70
146.XCMG135
147.XCMG700
148.ZL360
149.ZY913
150.ZY936

TRAVEL GEARBOX

1.DH220-5
2.DH225-9
3.DH225-9ALTER
4.DH258
5.DH258ALTER
6.DH300-7
7.DH370
8.DH420
9.DH500
10.DH55
11.DH60
12.DH80
14.DX300-7
15.DX380
16.E120
17.E120B
18.E200B
19.E305
20.E305.5
21.E305-7
22.E306E
23.E307
24.6311
25.E311C
26.E311C/312D
27.E312
28.E312B
29.E312C
30.E320
31.E320B/C
32.E320C
33.E320D2
34.E324D
35.E325C
36.E329D
37.E329D/E325C/E330D2
38.E330C
39.E330D
40.E336D
41.E345D
42.EC140
43.EC140 (BALL HOLE)
44.EC140 (SPECIAL PIN HOLE)
45.EC140 (PIN HOLE)
46.EC210/DH220-5ALTER
47.EC240
48.EC240(OLD) ALTER
49.EC290(OLD) ALTER
50.EC290 OLD
51.EC290NEW
52.EC290THE NEW
53.EC300D
54.EC360(OLD) ALTER
55.EC360OLD
56.EC360 NEW
57.EC360THE NEW
58.EC460
59.EC480
60.EX120-1
61.EX120-2
62.EX120-2/3
63.EX120-5
64.EX120-6
65.EX200-2
66.EX200-5
67.EX200-6 (SINGLE/DOUBLE)
68.EX300-5
69.EX330-5
70.EX350-5
71.EX400-3/5
72.EX400-5
73.EX55
74.EX60
75.EX70
76.HD1250
77.HD1430

78.HD250	116.R215-9/LUXIDE210
79.HD450	117.R290
80.HD700-7	118.R305
81.HD800-7 (BALL HOLE)	119.R375
82.HD800-7 (PIN HOLE)	120.R55
83.HD800-7/R210CHANGE	121.SH200
84.PC100-3	122.SH200A3(CHANGE)
85.PC100-5(28)	123.SH265
86.PC120-5CHANGE (28/29)	124.SK200-6/7E
87.PC120-6	125.SK200-6CHANGE
88.PC120-6CHANGE	126.SK200-8
89.PC200-6	127.SK250-8
90.PC200-6 (6D102)	128.SY285/SY305 KAWASAKI
91.PC200-6 (6D95)	129.SY335
92.PC200-6CHANGE	130.SY335-9C
93.PC200-7	131.YC35-6
94.PC200-7 (6D102)	132.YC35-7
95.PC200-8	133.YC60-7
96.PC200-8MO	134.ZAX110
97.PC220-8	135.ZAX120
98.PC30	136.ZAX200
99.PC30.40	137.ZAX200-3
100.PC300-7	138.ZAX230
101.PC35	139.ZAX240-3(COMMMON RAIL)
105.PC50UU-2	140.ZAX330-1141.ZAX330-3
102.PC360-7	142.ZAX450-3
103.PC400-7	143.ZAX670
104.PC50-2	144.ZX200-3
106.PC55	145.ZX230 (SINGLE/DOUBLE)
107.PC55-56	146.ZX240SINGLE
108.PC60-2	147.ZX330-1
109.PC60-3	148.ZX330-3
110.PC60-5	149.ZX450
111.PC60-6	150.ZX870
112.PC60-7	151.SY285 KYB
113.PC60-7IMPORT	152.SY285REXROTH
114. PC60-7IMPORTED VERSION	153.ZY913
115.PC78	

MAIN PUMP

1.K3V63DT-110R-HNOP	40.K3V112DT-1A5R-HN1M
2.K3V63DT-110R-HN1C	41.K3V112DT-1A5R-HNGL
3.K3V63DT-111R-6N03A-2	42.K3V112DT-1CER-9C32-1C(KB)
4.K3V63DT-115R-HNOV	43.K3V112DT-1CER-9C32-1CL 21TON
5.K3V63DT-1HSR-9N3H-V	44.K3V112DT-1CER-9C72-1CL
6.K3V63DT-1HSR-9N4H-V	45.K3V112DT-1CER-9C32-2B
7.K3V63DT-1HSR-HN1Q	46.K3V112DT-1CER-9C32-2CL 25TON
8.K3V63DT-100R-HNOV	47.K3V112DT-1CER-9C62-CL
9.K3V63DT-1ROR-9COS-1DL	48.K3V112DT-1CGR-HNOC
10.K3V63DT-1ROR-9C15-1C	49.K3V112DT-1CGR-HNOD(V)
11.K3V63DT-1ROR-9N01-2A	50.K3V112DT-1CGR-HNOP
12.K3V63DT-1ROR-9NOH	51.K3V112DT-1HSR-2ND9-V
14.K3V63DT-1ROR-9NOQ	52.K3V112DT-1HSR-9NC9-11V
15.K3V63DT-1ROR-9NOS	53.K3V112DT-1HSR-9NC9-12V
16.K3V63DT-1ROR-9NOT-1	54.K3V112DT-1HSR-9NC9-4V
17.K3V63DT-1ROR-9N1S-1C	55.K3V112DT-1HSR-9ND9-3V
18.K3V63DT-1ROR-9POS-A	56.K3V112DT-1HSR-9ND9-5V
19.K3V63DT-1RCR-9N03-1	57.K3V112DT-1HSR-9ND9-9V
20.K3V63DT-1YOR-9NOQ	58.K3V112DT-1HSR-9NE4-1V
21.K3V63DT-1ZOR-9NOQ	59.K3V112DT-1HSR-9NE4-V
22.K3V63DT-1YOR-9NOT	60.K3V112DT-1HSR-9NE4-1V
23.K3V63DT-1ZDR-9NOT-LZV (LOW NOISE)	61.K3V112DT-1KSR-9NE4-V
24.K3V63DT-115R-9N1T	62.K3V112DT-1LFR-9C3P
25.K3V63DT-1R7R-9N2J-V	63.K3V112DT-1LFR-9N5P
26.K3V63DT-1R7R-9N2H-V	64.K3V112DT-1LFR-9C32
27.K3V63DTP-1JHR-9COS-1L (WITH PTO)	65.K3V112DT-1LFR-9C52
28.K3V63DTP-1JHR-9COS-L	66.K3V112DT-1R2R-9N09-6A
29.K3V63DTP-1KSR-HNOW-1	67.K3V112DT-1R2R-9N29
30.K3V63DTP-1HJR-HNOW	68.K3V112DT-1DFR-9N62
31.K3V112DT-112R-9C02	69.K3V112DT-1DFR-9N62-2
32.K3V112DT-112R-9C79	70.K3V112DT-1R5R-2N19-1B
33.K3V112DT-112R-9N02	71.K3V112DT-1R5R-2N19-B (WITHOUTE.P.P.R VALVE)
34.K3V112DT-115R-HNOV	72.K3V112DT-1RCR-9N09
35.K3V112DT-115R-HN1M	73.K3V112DT-1RER-9C39-1
36.K3V112DT-115R-HN2M	74.K3V112DT-1RER-9C39-2
37.K3V112DT-123R-9COB	75.K3V112DT-1RER-9C59
38.K3V112DT-17ER-9N3P-	76.K3V112DT-1V9R-1E42-V
39.K3V112DT-17ER-9N5P-L	77.K3V112DT-1RGR-HNOP
	78.K3V112DT-1XDR-9N24-AZLV

79.K3V112DT-1XER-9N24-2
80.K3V112DT-1XER-9N2A-2
81.K3V112DT-1XDR-9N2A-AZLV
82.K3V112DT-1XJR-9N2A-V
83.K3V112DT-1KER-9C39-1
84.K3V112DT-1XJR-9N2D-V
85.K3V112DT-1V9R-1E42-V
86.K3V112DT-1HSR-9NC9-11V
87.K3V112DT-1HSR-9NC9-11V
88.K3V112DT-1HSR-9NC9-4V
89.K3V112DT-1HSR-9ND9-3V
90.K3V112DT-1HSR-9ND9-5V
91.K3V112DT-1HSR-9ND9-9V
92.K3V112DT-1HSR-9NE4-1V
93.K3V112DT-1HSR-9NE4-V
94.K3V112DT-1KSR-9NE4-1V
95.K3V112DT-1KSR-9NE4-V
96.K3V112DT-1X7R-9ND9-3V
97.K3V112DT-1X7R-9N94-2BV
98.K3V112DT-1XHR-9NE4-2V
99.K3V112DT-1XHR-9N64-2V
100.K3V112DT-1GMR-9C79+F
101.K3V112DTP-103R-9N12
102.K3V112DTP-10ER-9N34-1
103.K3V112DTP-164R-HN1F
104.K3V112DTP-164R-HN1F-1
105.K3V112DTP-167R-HN1F
106.K3V112DTP-167R-HN1F-1
107.K3V112DTP-167R-HN1F
108.K3V112DTP-1X9R-9NC4
109.K3V112DTP-1D5R-9NOC
110.K3V112DTP-1DNR-9NOC
111.K3V112DTP-1D5R-HN2M
112.K3V112DTP-1DNR-HN2M
113.K3V112DTP-1D5R-HN1V-B
114.K3V112DTP-1FQR-9NM9
115.K3V112DTP-1T4R-9NM9-V
116.K3V112DTP1H9R-9N62

117.K3V112DTP1HFR-9N62
118.K3V112DTP-1H9R-9P12
119.K3V112DTP-1HFR-9P12
120.K3V112DTP-1HLR-9P12
121.K3V112DTP-1H9R-9P12-1
122.K3V112DTP-1H9R-9P12-2
123.K3V112DTP-1H9R-9PA2
(WITHOUT PTO)
124.K3V112DTP-1H9R-9PA2-1
(-->9P12-1)(WITHOUT PTO)
125.K3V112DTP-1HLR-9PA2(WITH PTO)
126.K3V112DTP-1HLR-9PA2-1(WITH PTO)
127.K3V112DTP-1HFR-9NP9
128.K3V112DTP-1P9R-1E32-AV
129.K3V112DTP-109R-9N1T
130.K3V112DTP-100R-9N11-A
131.K3V112DTP-1K9R-YTOK-HV
132.K3V112DTP-1L9R-YT1K-HV
133.K3V112DTP-1A9R-9TEL
134.K3V112DTP-1A9R-9TGL-V
135.K3V112DTP-1F9R-9T8L-V
136.K3V112DTP-1N9R-OE11-V
137.K3V112DTP-1Y9R-9NE4-V
138.K3V112DTP-1M9R-9CA9
139.K5V80DT-1LCR-9C01
140.K5V80DT-1LCR-9C01(NC)
141.K5V80DT-1LCR-9C01(PA)
142.K5V80DT-1PCR-9C05
143.K5V80DT-1LCR-9C05(PA)
144.K5V80DT-1PCR-9C05-L
145.K5V80DT-1PDR-9NOJ-MZV
146.K5V80DT-1PDR-9NOY-MZV
147.K5V80DT-171R-9N61
148.K5V80DT-1PER-9N1J-V
149.K5V80DTP-1J9R-9N61(WITHOUT PTO)
150.K5V80DTP-1JGR-9N05
151.K5V80DTP-1JHR-9C05-1(-->9C05-1L)

152.K5V80DTP-1JHR-9C05-1
153.K5V80DTP-1JHR-9C05-L
154.K5V80DTP-1JHR-9N05-1
155.K5V80DTP-1JGR-9N05
156.K5V80DTP-1JLR-9PA2
157.K5V80DTP-1JLR-9PA7
158.K5V80DTP-1DSR-9N35
159.K5V80DTP-1J9R-9N35
160.K5V80DTP-1JMR-9N35
161.K5V80DTP-1JLR-9N35
162.K5V80DTP-1JLR-9N35-1
163.K5V80DTP-1JLR-9N35-2
164.K5V80DTP-1JMR-9PA2V
165.K5V80DTP-1JZR-9C05-1L
166.K5V80DTP-1LHR-9C01
167.K5V80DTP-1LHR-9C05
168.K5V80DTP-1S3R-9NON
169.K5V80DTP-1S3R-HNOW
170.K5V80DTP-1S3R-HNOW-B
171.K5V80DTP-1S3R-9NON-1
172.K5V80DTP-1S3R-9NON-1
173.K5V140DT-1JSR-9N29-V
174.K5V140DT-151R-9N29-AHV
175.K5V140DT-158R-1E05-V
176.K5V140DT-1XER-1NCJ
177.K5V140DTP-1D9R-9N01
178.K5V140DTP-1D9R-9N01-AS
179.K5V140DTP-1D9R-9N01-BL
180.K5V140DTP-1E9R-9N02
181.K5V140DTP-1FFR-9N02
182.K5V140DTP-1E9R-9N02-1
183.K5V140DTP-1ELR-9PA2
184.K5V140DTP-1F1R-9N8N-V
185.K5V140DTP-1H9R-9C09
186.K5V140DTP-1H9R-9C12
187.K5V140DTP-1J9R-9C12
188.K5V140DTP-1J9R-9C12-1AL
189.K5V140DTP-1J9R-9C12-AL
190.K5V140DTP-1J9R-9C12-L

191.K5V140DTP-1N9R-9N07-1BLV
192.K5V140DTP-1N9R-9N07-AS
193.K5V140DTP-1N9R-9N07-V
194.K5V140DTP1NFR-9N39-V
195.K5V140DTP-109R-YT2K-V
196.K5V140DTP-159R-9T1L-V
197.K5V140DTP-159R-0E01-V
198.K3V140DT-112R-9C79
199.K3V140DT-151R-9NE9-AHV
200.K3V140DT-1A2R-9N09
201.K3V140DT-1AGR-HN1P
202.K3V140DT-1CER-9C12-C
203.K3V140DT-1CER-9C12-D
204.K3V140DT-1HSR-9N34-V
205.K3V140DT-1JER-9N04-1
206.K3V140DT-1KSR-9ND9-V
207.K3V140DT-1DSR-9ND9-V
208.K3V140DT-1SJR-9NJ9-V
209.K3V140DT-1R2R-9N19-2
210.K3V140DT-1R2R-9N29-A
211.K3V140DT-1R2R-9N39-A
212.K3V140DT-1RCR-9N19
213.K3V140DT-1UGR-HNO2
214.K3V140DT-1UGR-HNOV
215.K3V140DT-1UGR-HN1P
216.K3V140DT-1XHR-9NE4-2V
217.K3V140DT-112R-9C04
218.K3V140DT-1C7R-9N42-V
219.K3V140DT-1C7R-9ND9-4V
220.K3V180DT-1PCR-9N46
221.K5V80DT-1PER-9N1J-V
222.K3V180DT-1PCR-9N46
223.K3V180DT-1PER-9N56
224.K3V180DT-150R-9N05-AHV
225.K3V180DT-1PGR-HLOP
226.K3V180DT-1PGR-HNO7
227.K3V180DT-1PGR-HNOP
228.K3V180DT-1PGR-HN1P
229.K3V180DT-1A5R-HN1V

229.K3V180DT-1PMR-9NOG-1
 230.K3V180DT-1KSR-9NJ9-V
 231.K3V180DT-1RAR-9NJ9
 232.K3V180DT-1RER-9C69-DL
 233.K3V180DT-1DSR-9N62
 234.K3V180DT-1DSR-9N62-2
 235.K3V180DT-170R-9N5P-V
 236.K3V180DT-1RER-9N69-B
 237.K3V180DTP-1HLR-9NH9
 238.K3V180DTP-1H9R-9NJ9
 239.K3V180DTP-101R-9N05-1
 240.K3V180DTP-151R-9N05-AHV
 241.K3V180DTP-152R-9N05-AHV
 242.K3V180DTP-160R-9COG-L
 243.K3V180DTP170R-9N62-1A
 244.K3V180DTH-1NOR-FNOS-1
 245.K3V180DTH-1POR-9NOS-T
 246.K3V180DTH-1H1R-9N3S
 247.K3V180DTH-1POR-9NOZ
 248.K3V180DTH-1POR-HNOV-T
 249.K3V180DTH-1POR-HN1V-T
 250.K3V180DTH-1POR-HN2V
 251.K3V180DTH-1POR-9COS-ALT
 252.K3V180DTH-1POR-9COS-1A
 253.K3V180DTH-1POR-9NOB-T
 254.K3V180DTH-1POR-9N1S-AT
 255.K3V180DTH-10DR-9N2B-T
 256.K3V180DTH-1POR-9N2B-V
 257.K3V180DTH-1H1R-9N4S-1T
 258.K3V280DTH-11ZR-FNOA-1
 259.K3V280DTH-1AJR-ZP53-VB
 260.K3V280DTH-1AHR-ZN39-VB
 261.K3V280DTH-1AHR-9COH-V
 262.K3V280DTH-15XR-9N2Y
 263.K3V280DTH-1CDR-9NOY-AVB
 264.K3V280DTH-1F1R-9NK1-V
 265.K5V160DT-158R-1E05-V
 266.K5V160DTP-150R-1E03-V
 267.K5V160DTP-150R-1E03-V

268.K5V160DTP-150R-1E05-V
 269.K5V160DTP-150R-1E06-V
 270.K5V200DTH-1C7R-9S14
 271.K5V200DTH-15XR-9N2Y-V
 272.K5V200DTH-10DR-9NOB-AVT
 273.K5V200DTH-10AR-9NOB-AVT
 274.K5V200DTH-10ER-9NOB-AV
 275.K5V200DTH-10JR-9COZ-VT
 276.K5V200DTH-10JR-9C1Z-VT
 277.K5V200DTH-1PZR-9NOZ-V
 278.K5V200DTH-1JSR-9N1Z-V
 279.K5V200DTH-10WR-9N2Z-VT
 280.K5V200DTH-1PZR-9N2Z-V
 281.KP2D25 (25CC) GP1
 (16.2CC + 4.5CC) CRAWLER TYPE
 282.KP2D25(W)(25CC) GP1
 283.KP2D25 (25CC) GP5
 (16.2CC + 6.5CC) WHEEL TYPE
 284.KP2D28 (28CC) GP2
 (18.3CC + 4.5CC) CRAWLER TYPE
 285.KP2D28(W)(28CC)
 286.KP2D28 (28CC) GP5
 (16.2CC + 6.5CC) WHEEL TYPE
 287.KP2D36(36CC) GP4
 (6.5CC) CRAWLER TYPE
 288.KP2D36(36CC) GP3
 (12.1CC + 6.5CC) WHEEL TYPE
 289.M5X130CHB-10A-64B/285-122
 290.M5X130CHB-10A-30C/270-122
 291.M5X130CHB-10A-31C
 /250-122-2KAR6P72/190-717A
 292.M5X130CHB-10A-2BA/265-122



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