

## Company Profile

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Gear Pump Manufacturing (Pty) Ltd. (formerly Debex Cape) is a wholly owned subsidiary of Dosco GPM Holdings, and a sister company to Dosco Precision Hydraulics, located in Johannesburg, and ETS Foundry in Cape Town.

GPM, which is located at the southern tip of Africa in Cape Town, the mother city of the Republic of South Africa, has been manufacturing its range of SAE mounted gear pumps since 1985.

GPM exports 70% of total production to 34 countries in North America, Europe, South East Asia and Australasia.

The shareholders of Dosco GPM Holdings have committed the Group to a culture of Quality and Service in an environment where continuous improvement is foremost.

### STORES



### Inventory

We have adopted the policy “If we don’t have it, we can’t sell it” and therefore carry a large inventory at the plant in Cape Town as well as at various distribution centers worldwide in order to get the product closer to the client.

### MACHINE SHOP



### Porting and Assembly

Not only do we offer part sales, we also have porting and assembly facilities in place to meet all your needs. Our staff concentrate purely on gear pump and motor assembly and this focus ensures consistently high quality products.

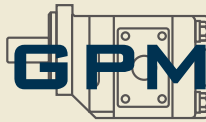
### TEST STAND



### Technology & Testing

The GPM manufacturing facility is being upgraded on a continuous basis. Current technology includes CNC machining centers and lathes, CNC gear journal grinding equipment, late model hobbing and shaving machines and computerized test stands.

All units assembled in-house are tested on fully computerized test stands which have multiple flow, pressures, temperatures and speed data. Units can also be tested according to customers specific requirements.



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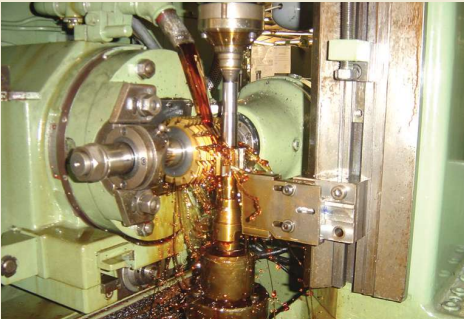
### FOUNDRY



#### Foundry

The group invested in a new grey iron foundry in 2001. ETS (Engineering Technology Services) is equipped with the latest induction furnaces and uses resin bonded sand to produce its moulds. The decision to employ these particular processes was influenced by the groups commitment to the South Africa environment. The foundries production is dedicated to the requirements of GPM and has sufficient capacity to be able to handle the expected growth of GPM into the year of 2008.

### HOBGING



#### Quality Control

Quality is the focus of our attention within the organization if we are to be seen as a world class manufacturer. The company has been ISO 9001 certified since 1992 and is audited every six months by the South African Bureau of Standards. The quality system is based on the use of statistical analysis to determine the manufacturing process capability. Regular internal audits and measuring instrument calibration compliment the continuous study of process stability via the use of machine run charts.

#### Customer Services

Willing and qualified members of the company are available to see to the needs of all clients, be it sales, financial or technical. A list of contacts can be found on the rear cover.

#### Computer Systems

Computers play an important role in the day to day controlling and management of the operation. Systems are in place to handle financial, production, job costing and testing sectors.

#### Additional Services

The combination of having first class remanufacturing plants in Johannesburg and Cape Town, and worldwide distribution centres, indicates how we are continuously searching for ways to improve our effectiveness in the market place.



Manufactured in South Africa

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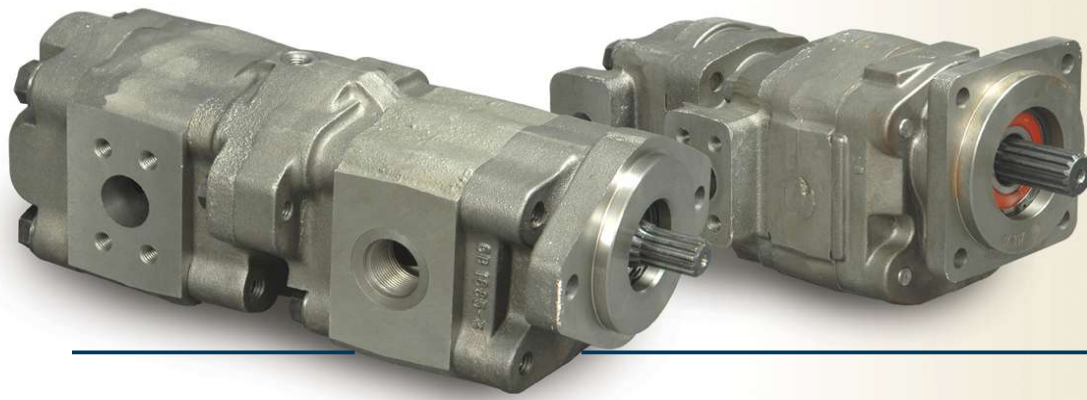
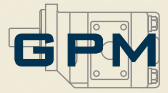
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# C o n t e n t s

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Pump Specification .....	4
Part Number ID .....	5
Quick Reference .....	6 - 8
Fasteners .....	8
110 / 112.....	9 - 11
120 .....	12 - 15
125 .....	16 - 18
130 / 131 .....	19 - 22
150 / 151 .....	23 - 26
175 / 176 .....	27 - 30
215 .....	31 - 34
230 .....	35 - 38
250 .....	39 - 42
265 .....	43 - 46
Pump Builder .....	47
Pump Identification.....	48
Porting.....	49 - 50
PTO Pumps .....	51 - 52
Dump Pumps.....	53
Warranty .....	54
Contacts.....	55





# Pump & Motor Specification

NB: "Step Down" and "Add-on thru-drive" multiple options available.

* BEARING RANGE		CODE										
		05	07	10	12	15	17	20	22	25	27	30
<b>120</b>	GEAR SIZE (IN)	0.50	0.75	1.00	1.25	1.50	1.75	2.00				
	DISPLACEMENT (CM <sup>3</sup> /REV)	16.00	24.10	32.20	40.30	48.30	56.40	64.50				
	120 PRESSURE RATING (BAR)	205	205	205	205	205	170	170				
<b>130</b> <b>131</b>	GEAR SIZE (IN)	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50		
	DISPLACEMENT (CM <sup>3</sup> /REV)	16.00	24.10	32.20	40.30	48.30	56.40	64.50	72.60	80.00		
	130 PRESSURE RATING (BAR)	170	170	170	170	170	153	153	138	138		
131 PRESSURE RATING (BAR)	205	205	205	205	205	170	170	153	153			
<b>150</b> <b>151</b> <b>125</b>	GEAR SIZE (IN)	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50		
	DISPLACEMENT (CM <sup>3</sup> /REV)	20.80	31.20	41.70	52.10	62.60	73.00	83.50	94.00	104.40		
	150 PRESSURE RATING (BAR)	170	170	170	170	170	135	135	135	135		
151 PRESSURE RATING (BAR)	205	205	205	205	205	205	170	170	170			
<b>175</b> <b>176</b>	GEAR SIZE (IN)		0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3
	DISPLACEMENT (CM <sup>3</sup> /REV)		50.30	67.10	84.00	100.60	117.50	134.30	151.00	168.00	184.50	200.00
	175 PRESSURE RATING (BAR)		170	170	170	170	170	170	153	153	135	135
176 PRESSURE RATING (BAR)		205	205	205	205	205	205	170	170	170	135	135

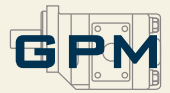
* BUSHING RANGE		CODE										
		05	07	10	12	15	17	20	22	25	27	30
<b>215</b>	GEAR SIZE (IN)	0.50	0.75	1.00	1.25	1.50	1.75	2.00				
	DISPLACEMENT (CM <sup>3</sup> /REV)	10.00	15.00	20.00	25.00	30.20	35.30	40.00				
	PRESSURE RATING (BAR)	240	240	240	240	220	200	170				
<b>230</b>	GEAR SIZE (IN)	0.50	0.75	1.00	1.25	1.50	1.75	2.00				
	DISPLACEMENT (CM <sup>3</sup> /REV)	16.00	24.00	32.30	40.30	48.30	56.30	64.40				
	PRESSURE RATING (BAR)	240	240	240	240	240	220	200				
<b>250</b>	GEAR SIZE (IN)	0.50	0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50		
	DISPLACEMENT (CM <sup>3</sup> /REV)	20.80	31.20	41.60	52.00	62.50	73.00	83.40	94.00	103.00		
	PRESSURE RATING (BAR)	240	240	240	240	240	220	200	190	170		
<b>265</b>	GEAR SIZE (IN)		0.75	1.00	1.25	1.50	1.75	2.00	2.25	2.50		
	DISPLACEMENT (CM <sup>3</sup> /REV)		44.00	59.00	73.50	88.00	102.00	118.00	132.60	147.00		
	PRESSURE RATING (BAR)		240	240	240	240	240	240	220	200		

- GP = PUMP**
- GM = MOTOR**
- GF = FLOW DIVIDER**
- GA = ADD A PUMP**
- GB = PIGGYBACK**
- GZ = PUMP / MOTOR COMBO**

THE ABOVE DATA ARE AVERAGE RESULTS BASED ON A SERIES OF TESTS AND ARE NOT NECESSARILY REPRESENTATIVE OF ANY SINGLE UNIT. GEAR PUMP MANUFACTURING RESERVES THE RIGHT TO AMEND THE TECHNICAL DATA WITHOUT NOTICE.



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# Part Number Identification

X1	X2	X3
110		
112		
113		
114		
115		
120		
125		
130		
131		
137		
150		
151		
175		
176		
215		
230		
250		
265		

X4	X5	X6	X7
SEC 1	SEC 0	SEC 0	SEC 1
HOUSING 2	C101/151 0	PAD 0	PUMP 1
BEAR CARR 3	PAD 1	2 5/8" ROUND 1	MOTOR 2
PEC 4	2 BOLT 2	2 3/4" A 2	HSG SIZE x
GEAR SET 5	4 BOLT 3	4" B 3	BEAR CARR 0
CONT SHAFT 6	6 BOLT 4	5" C 4	PEC 0
CONN SHAFT 7	2/4 BOLT 5	6" D 5	GEAR SIZE x
ACCESSORIES 8	HOUSING 1	C101/151 6	CONT SHAFT 0
	PUMP 1	HSG SIZE x	CONN SHAFT 0
	MOTOR 2	BEAR CARR 0	
	BEAR CARR 1	PEC 0	
	1 & 1 1	GEAR SIZE x	
	1 & 2 2	CONT SHAFT 0	
	PEC 0	CONN SHAFT 0	
	C101/151 0		
	NORMAL 1		
	PORTED 2		
	TANDEM 3		
	MOTOR 4		
	C102 5		
	GEAR SET 1		
	INTEG NORM 1		
	INTEG SHORT 2		
	CONTI 3		
	CONTI SHAFT 1		
	NORMAL 1		
	SHORT 2		
	LONG 3		
	SPECIAL 4		
	CONN SHAFT 0		
	NORMAL 0		
	PIGGY BACK 1		

X8	X9
SEC 1	SEC 0
NORMAL 1	HOUSING 0
SHORT 2	BEAR CARR 0
HOUSING 0	PEC 0
BEAR CARR 0	DRIVE DIAMETER 5/8" 0
PEC 0	3/4" 1
DRIVE 1	7/8" 2
KEY 1	1" 3
6 SPLINE 0	1 1/8" 4
9 SPLINE 2	1 1/4" 5
13 SPLINE 3	1 3/4" 6
14 SPLINE 4	CONT GEAR 0
15 SPLINE 5	CONN SHAFT 0
CONT GEAR 0	CONN SHAFT 0
CONN SHAFT 0	
NORMAL 0	
30/30 330/330 1	
330/315 2	
50/50 350/350 3	
50/30 3	
350/315 4	
350/330 5	
75/75 365/365 6	
365/315 7	
365/330 8	
365/350 9	

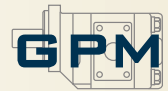
ACCESSORIES	ACCESSORIES	ACCESSORIES
BEARING 0	BEARING 1	BEARING 0
BUSH 0	ROLLER 2	BUSH 0
THRU PLATE 1	SHAFT 1	THRU PLATE 0
BOLT 2	ASSEMBLY 3	BOLT/STUD DIA 1/4" 4
NUT 2	P25 BUSH 1	5/16" 5
STUD 2	SHAFT 3	1/2" 1
WASHER 2	CONN SHAFT 4	9/16" 6
RETAIN NUT 2	BUSH 0	5/8" 2
SNAP RING 3	THRUST PLATE WITH SEALS 0	3/4" 3
SPACER 4	COMP 1	WASHER ID 1/2" 1
SEAL RETAIN 5	NON COMP 2	5/8" 2
ROLL PIN 6	MOTOR 3	3/4" 3
DOWEL 6	OEM 4	THRUST 4
SEAL 7	RET NUT PUMP 0	RETAIN NUT 0
PLUG/CHECK 8	RET NUT MOTOR 1	BOLT 1
GENERAL 9	BOLT 1	STUD 2
KEY 9	STUD 2	PUMP INTEG 1
RING SEAL 9	NUT 3	PUMP CONT 2
	WASH 4	MOTOR INTEG 3
	SNAP RING 1	MOTOR CONT 4
	SEC 1	WIPER 5
	CONT SHAFT 2	THRUST PLATE SEAL 1
	SPOOL 3	PUMP 1
	SEALS 1	MOTOR 2
	SHAFT 1	POCKET 3
	BODY 2	BODY 0
	THRU PLATE 3	O-RING 5
	O-RING 4	SPACERS 0
	SPACER 1	TA-1519-1 1
	SEAL 1	TA-1519-2 2
	CONT SHAFT 2	TA-1519-3 3
	BEARING 3	TA-1519-4 4
	SEAL BEARING 4	TA-1519-5 5
	PLUG 1	TA-1519-6 6
	CHECK 2	TA-1519-7 7
	GENERAL 0	TA-1519-8 8
	KEY 2	TA-1519-9 9
	RV ASSEM 3	PLUG 0
	DOWEL 0	CHECK 0
	ROLL PIN 1	GENERAL 0
	SEAL RETAINER 1	KEY 0
	PUMP 0	DOWEL 0
	MOTOR 1	ROLL PIN 0
	RING SEAL 1	SEAL RETAIN 0
		SNAP RING 0
		RING SEAL 0

ACCESSORIES	ACCESSORIES
BEARING 0	BEARING 0
BUSH 0	BUSH 0
THRU PLATE 0	THRU PLATE 0
BOLT/STUD LENGTH SEE TABLE x	BOLT/STUD LENGTH 1/4" 1
WASHER 0	3/8" 4
RETAIN NUT 0	1/2" 2
O-RING 0	3/4" 3
BODY 0	WASHER 0
SHAFT SEAL 0	RETAIN NUT 0
THRUST PLATE SEALS 0	O-RINGS 0
CHANNEL 0	BACKUP 0
CHANN B/UP 1	SHAFT PUMP 1
OEM CHANN 2	RETAINER 2
OEM B/UP 3	SHAFT MOTOR 3
SIDE SEAL 4	SPOOL 4
SIDE B/UP 5	SHAFT SEAL 0
END SEAL 6	BODY 0
END B/UP 7	TH PL SEAL 0
POCKET 75 8	SPACER 0
POCKET 30/50 9	SPACER-1 1
SPACER 0	SPACER-2 2
PLUG 0	PLUG 0
CHECK 0	CHECK 0
SPRING 25X 0	GENERAL 0
DETENT SPR 1	KEYS 0
SPOOL 2	1/4X3/8X1 1/4 1
END CAP 3	1/4X3/8X1 2
DETENT RET 4	5/16X5/32X1 1/2 3
DETENT BALL 5	DOWEL 0
SPOOL END CA 6	ROLL PIN 0
MOUNT BRACK 7	SEAL RETAINER 0
SPOOL BRACK 8	NORMAL 0
SLEEVE 9	DB-1669 1
KEY 0	GA-1072 2
DOWEL 0	GB-1669 3
ROLL PIN 0	SNAP RING 0
SEAL RETAIN 0	RING SEAL 0
END CAP RET 1	
SNAP RING 0	
RING SEAL 0	

X8	X8
STUDS	BOLTS
9" A	3" A
10" B	4" B
11" C	5" C
12" D	6" D
13" E	7" E
14" F	8" F
15" G	0" G
16" H	1" H
17" I	2" I
18" J	
19" K	
20" L	
21" M	
22" N	
23" O	
24" P	
25" Q	
26" R	
27" S	
28" T	
29" U	
30" V	



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# Quick Reference

SERIES	OLD	20*	25*	31*	51*	76*	315*	330*	350*	365*
SERIES	NEW	120	125	131	151	176	215	230	250	265
<b>A SOLID SHAFT GEAR SET</b>										
3/4" KEY										
7/8" KEY	30	ADD-131-??		ADD-131-??				ADC-230-??		
7/8" KEY SHORT	66						ADK-215-??			
1" KEY	43	AED-131-??		AED-131-??	ATD-151-??			AEC-230-??	ATF-250-??	
1 1/4" KEY	11				ASD-151-??	AAL-176-??			ASF-250-??	AAG-265-??
9 SPLINE 5/8" SHORT	96						AZK-215-??			
13 SPLINE 7/8"	25	ABD-131-??		ABD-131-??	AVD-151-??			ABC-230-??	AVF-250-??	
13 SPLINE 7/8" SHORT	65	ABD-131-4-??		ABD-131-4-??	AVD-151-4-??		ABK-215-??	ABC-230-4-??		
14 SPLINE 1 1/4"	07				APD-151-??	ANE-176-??			APF-250-??	ANG-265-??
14 SPLINE 1 1/4" SHORT	53				APD-151-4-??					
15 SPLINE 1"	98							AAC-230-??	AAF-250-??	
SPECIAL 17 SPLINE 1 1/8" (CASE)									ACF-250-13	
SPECIAL 14 SPLINE (CLARK)									ACL-250-25	
SPECIAL KEY 1 1/8" (JCB)								AHC-230-??		
SPECIAL 10 SPLINE (ING. RAND)										AIR-265-07
SPECIAL TAPER 1 5/16" 7/8" UNF				ATH-131-17				ATH-230-17		
SPECIAL TAPER KEYED							ATK-215-??			
<b>B LOOSE GEAR SETS</b>										
STANDARD		BV-131-??	BKA-125-??	BV-131-??	BMA-151-??	BPA-176-??	BVK-215-??	BVC-230-??	BMF-250-??	BPG-265-??
<b>C GEAR HOUSINGS</b>										
PUMP		CRD-120-??	CMA-151-??	CRA-131-??	CMA-151-??	CSA-176-??	CRK-215-??	CRC-230-??	CMH-250-??	CSG-265-??
MOTOR		CRD-120-??	CMA-151-??	CRA-131-??	CMA-151-??	CSA-176-??	CLK-215-??	CSC-230-??	CLF-250-??	CLG-265-??
<b>D SHAFT END COVERS</b>										
4 BOLT ROUND			DCB-125-3							
6 BOLT ROUND	05	DFD-120	DCB-125	DFB-131						
2 BOLT 3.25" SAE A	94	DWD-120		DWB-131			DWK-215			
2 BOLT 3.25" SAE A MOTOR	94						DWK-215-M			
2 BOLT 4" SAE B	97	DGD-120	DUA-125	DGB-131	DRB-151		DGK-215	DGC-230	DRF-250	DRG-265
2 BOLT 4" SAE B MOTOR	97						DGK-315-M			DRG-265-M
2 BOLT 4" SAE B SHORT	96	DGD-120-SH						DGC-230-SH		
2 BOLT 5" SAE C	98		DYA-125		DNB-151	DVB-176		DNC-230	DNF-250	DVG-265
2 BOLT 5" SAE C MOTOR	98									DVG-265-M
4 BOLT 4" SAE B	42	DED-120	DTA-125	DEB-131	DHB-151	DSB-176		DEC-230	DHF-250	DSG-265
4 BOLT 4" SAE B MOTOR	42									DSG-265-M
4 BOLT 5" SAE C	78		DXA-125	DPB-131	DKB-151	DTB-176		DPC-230	DKF-250	DTG-265
4 BOLT 5" SAE C MOTOR	78									DTG-265-M
4 BOLT 6" SAE D	80					DUB-176				
2/4 BOLT 4" SAE B	46	DDB-120							DDB-250-4	
2/4 BOLT 5" SAE C									DDB-250-5	
PIGGYBACK				DPB176/131						
PIGGYBACK				DDC-131/131						
PAD MOUNT PUMP			DSA-125							
PAD MOUNT MOTOR							DFK-215-M			
CHELSEA		DCD-120								
FORD								DFD-230		
<b>E PORT END COVERS</b>										
STANDARD		EXD-120	EZA-151	EXA-131	EZA-151	EYA-176				
PORTED							EUK-215	EUC-230	EWF-250	EWG-265
PORTED 4 PORT				EXA-131-4	EZA-151-4		EUK-215-4	EUC-230	EWF-250-4	EWG-265-4
TANDEM							EXK-215	EXC-230	EZF-250	EYG-265
MOTOR							EUK-215-M	EUC-230-M	EUJ-250-M	EWG-265-M
FAN MOTOR							EPK-215-M			
FORD								EFD-230		
MOTOR										EYG-265-M
PIGGYBACK STD				EDC-131-24		EPB-176/131				
PIGGYBACK CW								EPB-230/215 CW	EPB-250/215 CW	EPB-265/230 CW
PIGGYBACK CCW								EPB-230/215 CCW	EPB-250/215 CCW	EPB-265/230 CCW
ADD A PUMP 2 BOLT A CW									EAAP-250 2BA CW	EAAP-265 2BA CW
ADD A PUMP 2 BOLT A CCW									EAAP-250 2BA CCW	EAAP-265 2BA CCW
ADD A PUMP 2 BOLT B CW									EAAP-250 2BB CW	EAAP-265 2BB CW
ADD A PUMP 2 BOLT B CCW									EAAP-250 2BB CCW	EAAP-265 2BB CCW



# Quick Reference

SERIES	OLD SERIES	NEW	20* 120	25* 125	31* 131	51* 151	76* 176	315* 215	330* 230	350* 250	365* 265
<b>F BEARING CARRIERS</b>											
STANDARD			FVD-120	FKB-125	FVA-131	FTA-151	FZA-176				
1 OUTLET								FYK-215-1	FWC-230-1	FTF-250-1	FZG-265-1
2 OUTLET								FYK-215-2	FWC-230-2	FTF-250-2	FZG-265-2
MOTOR									FWC-230-M	FTF-250-M	FZG-265-M
3" SUCTION											FZG-265-3
WITH DRAIN + PLUG					FVA-131-11	FTA-151-11	FZA-176-11				
<b>G THRUST PLATES</b>											
PUMP			GAA-131	GY-151	GAA-131	GY-151	GBA-176	GCI-215	GCI-230	GCI-250	GCI-265
MOTOR								GM-215	GM-230	GM-250	GM-265
DRY VALVE BI ROTATION							GBA-176 DV BI				
DRY VALVE UNI ROTATION							GBA-176 DV UNI				
<b>H THRUST PLATE SEALS</b>											
PUMP CHANNEL SEAL								HCI-215-CS	HCI-230-CS	HCI-250-CS	HCI-265-CS
PUMP CHANNEL SEAL BACKUP								HCI-215-CSBU	HCI-230-CSBU	HCI-250-CSBU	HCI-265-CSBU
MOTOR SEAL BACKUP								HM-215-MSBU	HM-230-MSBU	HM-250-MSBU	HM-265-MSBU
MOTOR END SEAL								HM-215-MES	HM-230-MES	HM-250-MES	HM-265-MES
MOTOR SIDE SEAL								HM-215-MSS	HM-230-MSS	HM-250-MSS	HM-265-MSS
<b>I CONNECTING SHAFTS</b>											
STANDARD			IZA-131	ITA-125	IZA-131	IYA-151	IAB-176	IZK-215	IZC-230	IYF-250	IAG-265
ADD A PUMP TO 9 SPLINE										IAAP-250/9SPL	IAAP-265/9SPL
ADD A PUMP TO 13 SPLINE										IAAP-250/13SPL	IAAP-265/13SPL
ADD A PUMP TO 15 SPLINE											IAAP-265/15SPL
PIGGYBACK					IAF-131/131	IAD-151/131	IAH-176/131		IPB-230/215	IPB-250/215	IPB-265/230
<b>J LOOSE SHAFTS</b>											
3/4" KEY			JAV-131		JAV-131						
7/8" KEY			JAK-131	JWB-125	JAK-131				JCK-230		
7/8" KEY WITH EXT THREAD			JAX-131		JAX-131						
1" KEY			JED-131		JED-131	JAE-151		JGD-215	JCD-230		
1 1/8" KEY			JMT-131		JMT-131	JGT-151					
1 1/4" KEY			JAW-131	JRB-125	JAW-131	JAF-151	JAL-176		JCW-230		
1 1/4" KEY LONG							JAL-176-LONG				
1 3/4" KEY UCHIDA							JUC-176				
CAT 910 TAPER W/RUFF			JCA-131		JCA-131						
6 SPLINE			JAM-131	JHC-125	JAM-131	JAN-151					
9 SPLINE 5/8"			JAI-131		JAI-131						
13 SPLINE 7/8"			JAJ-131	JVB-125	JAJ-131	JAD-151					
13 SPLINE 7/8" SHORT			JAJ-131-SH		JAJ-131-SH						
13 SPLINE 1 3/4"							JAS-176-SHD				
14 SPLINE 1 1/4"			JAH-131	JPB-125	JAH-131	JAG-151	JAS-176		JCH-230		
14 SPLINE 1 1/4" LONG						JAG-151-LONG	JAS-176-LONG				
15 SPLINE 1"			JAU-131		JAU-131	JAT-151				JFG-250	
17 SPLINE KOMATSU											JKG-265
<b>K BEARINGS/BUSHES</b>											
NEEDLE ROLLER			KY-131	KS-151	KY-131	KS-151	KR-176				
BUSHES								KBUSH-215	KBUSH-230	KBUSH-250	KBUSH-265
SHAFT BALL BEARING			KX-131-40	KX-125-8	KX-131-40	KX-151-58	KX-176-59	KX-215-215	KX-131-40	KX-151-58	KX-176-59
<b>L SEALS</b>											
BODY SEALS			LUB-120-239	LUB-151-244	LUB-131-242	LUB-151-244	LUB-176-252	LUB-215-239	LUB-131-242	LUB-250-244	LUB-265-250
MOTOR BODY SEAL								LUB-215-239M			
PUMP SEAL STANDARD			LX-131-16	LX-125-13	LX-131-16	LX-151-17	LX-176-10	LX-215	LX-131-16	LX-151-17	LX-176-10
MOTOR SEAL STANDARD			LX-131-9	LX-125-3	LX-131-9	LX-151-8	LX-176-1	LX-215-M	LX-131-9	LX-151-8	LX-176-1
PUMP SEAL LOOSE SHAFT			LX-131-18		LX-131-18				LX-131-18		
MOTOR SEAL LOOSE SHAFT			LX-131-11		LX-131-11				LX-131-11		
PUMP SEAL VITON			LX-131V-16	LX-125V-13	LX-131V-16	LX-151V-17	LX-176V-10		LX-131V-16	LX-151V-17	LX-176V-10



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# Quick Reference

SERIES	OLD SERIES	NEW	20* 120	25* 125	31* 131	51* 151	76* 176	315* 215	330* 230	350* 250	365* 265
<b>M RETAINERS</b>											
SEAL RETAINER MOTOR				MAV-125			MRA-176				
SEAL RETAINER PUMP				MGA-125			MRA-176				
RETAINER NUT PUMP				MW-125							
RETAINER NUT MOTOR				MLA-125							
SEAL RETAINER TELLTALE									MNA-230-1	MPA-250	MTT-265
<b>N DOWELS</b>											
STANDARD					NDOWEL-131	NDOWEL-131	NDOWEL-176	NDOWEL-215	NDOWEL-131	NDOWEL-131	NDOWEL-265
MOTOR											NDOWEL-265M
<b>O BRONZE PRESSURE RING</b>											
RING SEAL		OLB-131-1			OLB-131-1	ONB-151-1	OWB-176-1				
SHAFT BUSH				OAH-125							
CONNECTING SHAFT BUSH				OAR-125							
<b>P O-RINGS/POCKET SEALS</b>											
RETAINER O-RING				PL-125-26				PL-176-164			
POCKET SEAL		PBA-131-2			PBA-131-2	PBA-131-2		PBA-176-3			
PIGGYBACK					PL-PB131-30			PL-PB176-159			
<b>Q SPACERS</b>											
SEAL SPACER				QSA-125							
INTERNAL SPACER				QTA-125-?							
BEARING SPACER		QVB-131-2		QGB-125	QVB-131-2	QVB/AC-151	QVB-176				
SHAFT SPACER		QTB-131		QDB-125	QTB-131		QAF-176				
SEAL SPACER MOTOR		QAE-131			QAE-131	QAC-151		QAE-215			
PIGGYBACK					QAK-PB131		QAK-PB176				
<b>S SNAP RINGS/CIRCLIPS</b>											
SHAFT		SX-131-100	SX-125-13	SX-131-100	SX-151-125	SX-176-137		SX-131-100	SX-151-125	SX-176-137	
SHAFT END COVER		SX-131-206		SX-131-206	SX-151-283	SX-176-315	SX-215	SX-131-206	SX-151-283	SX-176-315	
<b>V FASTENERS</b>											
BOLTS		VBOLT 9/16" X?	VBOLT 5/8" X ?	VBOLT 5/8" X ?	VBOLT 5/8" X ?	VBOLT 5/8" X ?	VBOLT 5/8" X ?	VBOLT 1/2" X ?	VBOLT 5/8" X ?	VBOLT 5/8" X ?	VBOLT 5/8" X ?
NUTS		VNUT 9/16"	VNUT 5/8"	VNUT 5/8"	VNUT 5/8"	VNUT 5/8"	VNUT 5/8"	VNUT 1/2"	VNUT 5/8"	VNUT 5/8"	VNUT 5/8"
WASHERS		VWASHER 9/16"	VWASHER 5/8"	VWASHER 5/8"	VWASHER 5/8"	VWASHER 5/8"	VWASHER 5/8"	VWASHER 1/2"	VWASHER 5/8"	VWASHER 5/8"	VWASHER 5/8"
STUDS		VSTUD 9/16" X?	VSTUD 5/8" X ?	VSTUD 5/8" X ?	VSTUD 5/8" X ?	VSTUD 5/8" X ?	VSTUD 5/8" X ?	VSTUD 1/2" X ?	VSTUD 5/8" X ?	VSTUD 5/8" X ?	VSTUD 5/8" X ?
<b>W SMALL PARTS</b>											
PLUG DRAIN		WX-131-11	WX-131-11	WX-131-11	WX-131-11	WX-131-11					
PLUG SHAFT END COVER		WT-131-1391	WT-131-1391	WT-131-1391	WT-131-1391	WT-131-1391	WT-131-1391	WT-131-1391	WT-131-1391	WT-131-1391	WT-131-1391
CHECK VALVES		WM-131-1391	WM-131-1391	WM-131-1391	WM-131-1391	WM-131-1391	WM-131-1391	WM-131-1391	WM-131-1391	WM-131-1391	WM-131-1391

## Fasteners

		05	07	10	12	15	17	20	22	25	27	30	THREAD
<b>120</b>	BOLT FOR SINGLE STUD FOR TANDEM	4.00	4.25	4.50	4.75	5.00	5.25	5.50					9/16" UNC
		ADD ON BEARING CARRIER WIDTH (2.50) PLUS HOUSING WIDTH TO BOLT LENGTH											
<b>131</b>	BOLT FOR SINGLE STUD FOR TANDEM	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75	6.00			5/8" UNC
		ADD ON BEARING CARRIER WIDTH (2.50) PLUS HOUSING WIDTH TO BOLT LENGTH											
<b>151</b>	BOLT FOR SINGLE STUD FOR TANDEM	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75			5/8" UNC
		ADD ON BEARING CARRIER WIDTH (2.88) PLUS HOUSING WIDTH TO BOLT LENGTH											
<b>176</b>	BOLT FOR SINGLE STUD FOR TANDEM		5.00	5.25	5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	5/8" UNC
		ADD ON BEARING CARRIER WIDTH (3.00) PLUS HOUSING WIDTH TO BOLT LENGTH											
<b>215</b>	BOLT FOR SINGLE STUD FOR TANDEM	2.75	3.00	3.25	3.50	3.75	4.00	4.25					1/2" UNC
		ADD ON BEARING CARRIER WIDTH (2.62) PLUS HOUSING WIDTH TO BOLT LENGTH											
<b>230</b>	BOLT FOR SINGLE STUD FOR TANDEM	3.75	4.00	4.25	4.50	4.75	5.00	5.25					5/8" UNC
		ADD ON BEARING CARRIER WIDTH (3.50) PLUS HOUSING WIDTH TO BOLT LENGTH											
<b>250</b>	BOLT FOR SINGLE STUD FOR TANDEM	3.75	4.00	4.25	4.50	4.75	5.00	5.25	5.50	5.75			5/8" UNC
		ADD ON BEARING CARRIER WIDTH (3.50) PLUS HOUSING WIDTH TO BOLT LENGTH											
<b>265</b>	BOLT FOR SINGLE STUD FOR TANDEM		4.75	5.00	5.25	5.50	5.75	6.00	6.25	6.50			5/8" UNC
		ADD ON BEARING CARRIER WIDTH (4.00) PLUS HOUSING WIDTH TO BOLT LENGTH											



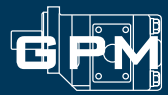
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# SERIES 110 / 112



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*	Used
<b>INTEGRAL GEAR SETS</b>						
<b>A</b>	ADE-110-15 gs	110 Gear Set -15	0350-093-100	110-5120-13	314 2915 740	110
	ADE-110-20 gs	110 Gear Set -20	0350-090-100	110-5120-13	314 2920 740	110
	ADE-110-25 gs	110 Gear Set -25	0350-091-100	110-5125-13	314 2925 740	110
	AVD-151-15 gs	151 7/8" 13 Spl Gear Set -15	0350-072-100	151-5115-32	313 2915 230	112
	AVD-151-20 gs	151 7/8" 13 Spl Gear Set -20	0350-074-100	151-5120-32	313 2920 230	112
	AVD-151-1-25 gs	151 7/8" 13 Spl Gear Set -25 single	0455-066-100	151-5125-32	313 2925 130	112
<b>GEAR HOUSING</b>						
<b>C</b>	CC-110-15 hsg	110 Housing -15	0455-074-500	110-2115-00	314 8215 100	common
	CC-110-20 hsg	110 Housing -20	0455-073-500	110-2120-00	314 8220 100	common
	CC-101-25 hsg	110 Housing -25	0455-072-500	110-2125-00	314 8225 100	common
<b>SEC - SHAFT END COVERS</b>						
<b>D</b>	DC-110 sec	110 Shaft End Cover	0455-070-500	110-1061-10	314 5039 201	110
	DHB-151 4b4" sec	151 SEC 4 Bolt 4" B	0450-053-501	151-1331-10	313 5037 201	112
<b>PEC - PORT END COVERS</b>						
<b>E</b>	EGP-110 pec	110 PEC	0455-071-500	110-4000-00		110
	EGP-112 pec	112 PEC	0455-078-500	112-4200-00		112
<b>THRUST PLATES</b>						
<b>G</b>	GC-110 tp	110 Thrust Plate	0455-075-500	110-8120-00	391 2185 016	110
	GY-151 tp	151 Thrust Plate	0450-036-500	151-1400-00		112
<b>BEARINGS</b>						
<b>K</b>	KS-151 roller brg	151/125 Roller Bearing	0425-118-200	151-8010-00	391 0381 059	common
<b>SEALS</b>						
<b>L</b>	LX-151-3 motor seal	125 Shaft Seal Motor C	0455-199-200	125-8714-00		110
	LUB-151-244 bs	125/151 Body Seal	0425-117-200	151-8720-00	391 2884 021	common
	LX-151-8 motor seal	151 Shaft Seal Motor I	0450-101-200	151-8713-00	391 2883 115	112
<b>RING SEALS</b>						
<b>O</b>	ONB-151-1 ring seal	151 Ring Seal	0450-038-200	151-8910-00	391 2585 009	common
<b>O-RINGS</b>						
<b>P</b>	PBA-131-2 ps	131/151 Pocket Seal for 2 plates	0430-107-200	XXX-8743-90	391 2882 051	common
<b>SPACERS</b>						
<b>Q</b>	QVB/AC-151 spacer	151 Bearing Spacer	0450-039-200	151-8440-00	391 3383 087	112
<b>KEYS</b>						
<b>R</b>	RX-13 key	290 Key 1/4" x 3/8" x 1 1/4"	0425-130-200	XXX-8920-01	391 1781 021	110
<b>SNAP RINGS</b>						
<b>S</b>	SX-151-283 snap ring	151 Snap Ring SEC	0450-103-200	151-8310-00	391 2686 065	112
	SX-110-283 snap ring	110 Snap Ring SEC	0455-196-200	110-8310-00		110
<b>BOLTS, STUDS, NUTS AND WASHERS</b>						
<b>V</b>	VBOLT 5/8" X 6.00"	290 Bolt 5/8" UNC	0425-156-200	XXX-8212-D0	391 1401 405	112
	VBOLT 5/8" X 7.00" ext thrd	290 Bolt 5/8" UNC	0455-168-200			110
	VBOLT 5/8" X 7.50" ext thrd	290 Bolt 5/8" UNC	0455-185-200			110
	VSTUD 5/8" X 07.5"	290 Stud 5/8" unc 07.5"	0484-075-500	XXX-8222-X2	391 1425 110	112
	VWASHER 5/8"	290-131/151/230/250 5/8" washer	0450-177-500	XXX-8242-00	391 3784 028	common
	VNUT 5/8"	290-5/8" Nut	0455-176-200	XXX-8230-00	391 1451 076	common

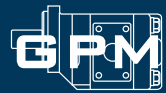


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# SERIES 110 / 112



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*	Used
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## GENERAL

<b>W</b>	WGP-110-MB	110 Mounting Bracket	0455-096-200	110-8900-70	314 0100 005	110
	WM-131-1391 check valve	290 Check Valve SEC	0431-001-200	XXX-8820-00	391 3681 001	common
	WT-131-1391 plug	290 Plug SEC	0431-002-200	XXX-8810-00	391 2286 004	common

## PEC - SMALL PARTS

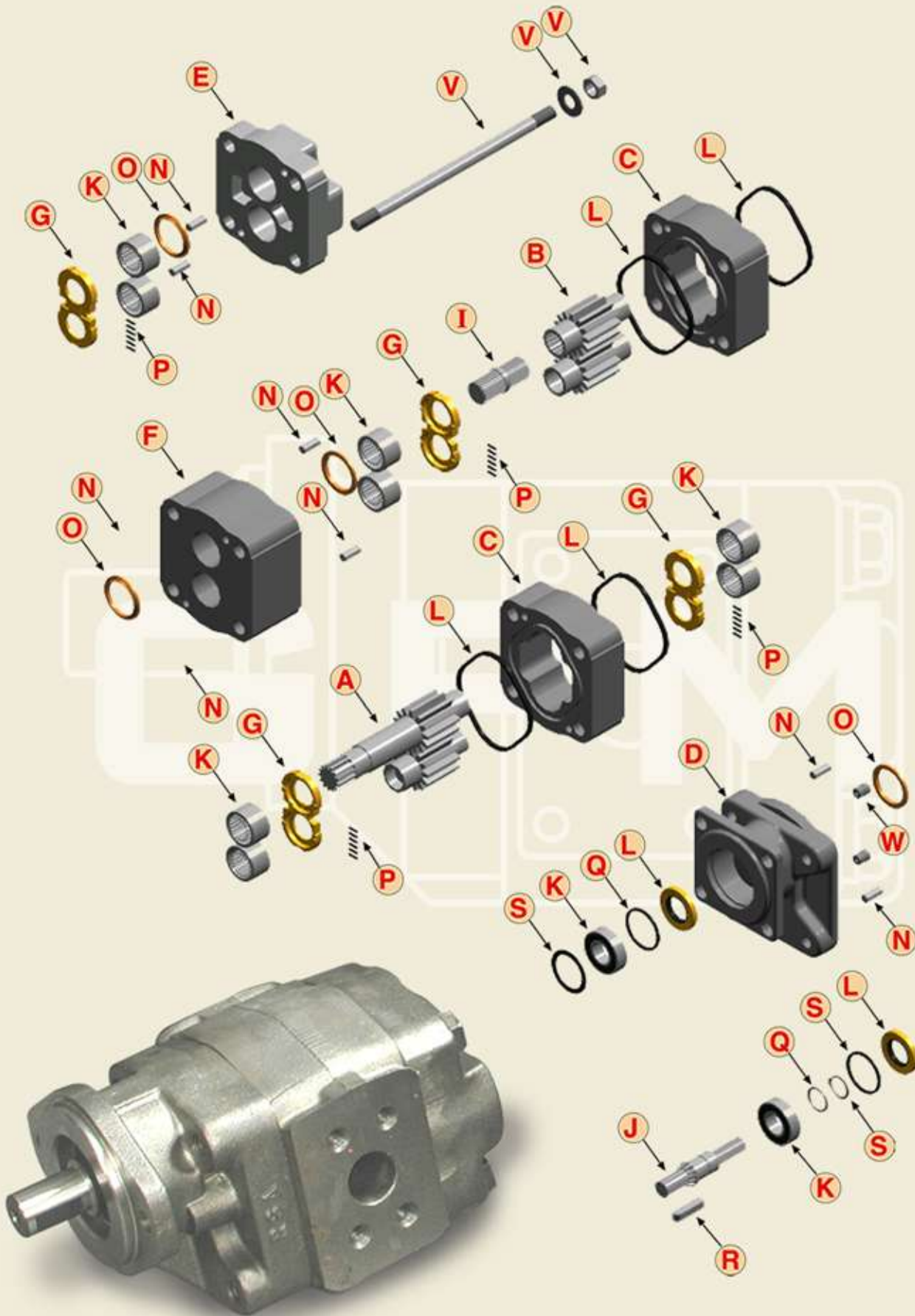
<b>X</b>	X01	X-seal retainer	seal retainer		0455-095-200	common
	X02	X-bolt 5/16" x 1 3/4"	end cap bolts		0455-186-200	common
	X03	X-snap ring	spool snap ring		0455-195-200	common
	X05	X-end cap	end cap		0455-090-200	common
	X06	X-detent spring	detent spring		0455-182-200	common
	X07	X-detent retainer	detent retainer		0455-091-200	common
	X08	X-detent ball	detent ball		0455-181-200	common
	X09	X-spool	spool		0455-089-500	common
	X10	X-roll pin	roll pin		0455-189-200	common
	X11	X-spool end cap	spool end cap		0455-093-200	common
	X12	X-spool bracket	spool bracket		0455-094-200	common
	X13	X-bolt 1/4" x 3/8"	spool bracket screws		0455-187-200	common
	X14	X-oring	spool o-ring		0455-179-200	common
	X15	X-relief valve assembly	relief valve assembly		0455-076-100	common
	X16	X-3 line sleeve	3 - line sleeve		0455-092-500	common
	X17	X-1" npt plug	1" npt plug		0455-188-200	common



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# SERIES 120



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
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INTEGRAL GEAR SETS					
A	ABD-131-07 gs	131 7/8" 13 Spl Gear Set -07	0330-022-100	131-5107-32	312 2907 230
	ABD-131-10 gs	131 7/8" 13 Spl Gear Set -10	0330-023-100	131-5110-32	312 2910 230
	ABD-131-12 gs	131 7/8" 13 Spl Gear Set -12	0330-024-100	131-5112-32	312 2912 230
	ABD-131-15 gs	131 7/8" 13 Spl Gear Set -15	0330-025-100	131-5115-32	312 2915 230
	ABD-131-17 gs	131 7/8" 13 Spl Gear Set -17	0330-026-100	131-5117-32	312 2917 230
	ABD-131-20 gs	131 7/8" 13 Spl Gear Set -20	0330-027-100	131-5120-32	312 2920 230
	ABD-131-25 gs	131 7/8" 13 Spl Gear Set -25	0330-029-100	131-5125-32	312 2925 230
	ABD-131-4-07 gs	131 7/8" 13 Spl Gear Set -07 short	0330-039-100	131-5207-32	312 2907 330
	ABD-131-4-10 gs	131 7/8" 13 Spl Gear Set -10 short	0330-040-100	131-5210-32	312 2910 330
	ABD-131-4-12 gs	131 7/8" 13 Spl Gear Set -12 short	0330-041-100	131-5212-32	312 2912 330
	ABD-131-4-15 gs	131 7/8" 13 Spl Gear Set -15 short	0330-042-100	131-5215-32	312 2915 330
	ABD-131-4-17 gs	131 7/8" 13 Spl Gear Set -17 short	0330-043-100	131-5217-32	312 2917 330
	ABD-131-4-20 gs	131 7/8" 13 Spl Gear Set -20 short	0330-044-100	131-5220-32	312 2920 330
	ADD-131-07 gs	131 7/8" Key Gear Set -07	0330-032-100	131-5107-12	312 2907 630
	ADD-131-10 gs	131 7/8" Key Gear Set -10	0330-033-100	131-5110-12	312 2910 630
	ADD-131-12 gs	131 7/8" Key Gear Set -12	0330-034-100	131-5112-12	312 2912 630
	ADD-131-15 gs	131 7/8" Key Gear Set -15	0330-035-100	131-5115-12	312 2915 630
	ADD-131-17 gs	131 7/8" Key Gear Set -17	0330-036-100	131-5117-12	312 2917 630
	ADD-131-20 gs	131 7/8" Key Gear Set -20	0330-037-100	131-5120-12	312 2920 630
	AED-131-05 gs	131 1" Key Gear Set -05	0330-048-100	130-5105-13	312 2905 740
	AED-131-07 gs	131 1" Key Gear Set -07	0330-049-100	131-5107-13	312 2907 740
	AED-131-10 gs	131 1" Key Gear Set -10	0330-050-100	131-5110-13	312 2910 740
	AED-131-12 gs	131 1" Key Gear Set -12	0330-051-100	131-5112-13	312 2912 740
	AED-131-15 gs	131 1" Key Gear Set -15	0330-052-100	131-5115-13	312 2915 740
	AED-131-17 gs	131 1" Key Gear Set -17	0330-053-100	131-5117-13	312 2917 740
	AED-131-20 gs	131 1" Key Gear Set -20	0330-054-100	131-5120-13	312 2920 740
	AED-131-25 gs	131 1" Key Gear Set -25	0330-055-100	131-5125-13	312 2925 740
	ATH-131-17 taper gs	131 15/16 keyed 7/8unf thread	0330-090-100	131-5117-77	312 2917 603
	ATH-230-17 taper gs	230 15/16 keyed 7/8unf thread	0333-090-100	230-5117-1?	

CONTINENTAL GEAR SETS					
B	BV-131-05 gs	131 Gear Set -05	0330-011-100	131-5305-00	312 2805 000
	BV-131-07 gs	131 Gear Set -07	0330-012-100	131-5307-00	312 2807 000
	BV-131-10 gs	131 Gear Set -10	0330-013-100	131-5310-00	312 2810 000
	BV-131-12 gs	131 Gear Set -12	0330-014-100	131-5312-00	312 2812 000
	BV-131-15 gs	131 Gear Set -15	0330-015-100	131-5315-00	312 2815 000
	BV-131-17 gs	131 Gear Set -17	0330-016-100	131-5317-00	312 2817 000
	BV-131-20 gs	131 Gear Set -20	0330-017-100	131-5320-00	312 2820 000
	BV-131-22 gs	131 Gear Set -22	0330-018-100	131-5322-00	312 2822 000
BV-131-25 gs	131 Gear Set -25	0330-019-100	131-5325-00	312 2825 000	

GEAR HOUSINGS					
C	CRD-120-05 hsg	120 Housing -05	0420-005-501	120-2105-00	308 8005 100
	CRD-120-07 hsg	120 Housing -07	0420-007-501	120-2107-00	308 8007 100
	CRD-120-10 hsg	120 Housing -10	0420-010-501	120-2110-00	308 8010 100
	CRD-120-12 hsg	120 Housing -12	0420-012-501	120-2112-00	308 8012 100
	CRD-120-15 hsg	120 Housing -15	0420-015-501	120-2115-00	308 8015 100
	CRD-120-17 hsg	120 Housing -17	0420-017-501	120-2117-00	308 8017 100
	CRD-120-20 hsg	120 Housing -20	0420-020-501	120-2120-00	308 8020 100

SEC - SHAFT END COVERS					
D	DCD-120 chelsea sec	120 SEC Chelsea	0420-049-501	120-1371-10	308 5036 201
	DDB-120 4" combo sec	120 SEC 2/4 Bolt 4" combo	0420-045-501	120-1531-10	308 5053 202
	DED-120 4b4" sec	120 SEC 4 Bolt 4" B	0420-042-501	120-1331-00	308 5030 201
	DFD-120 6b sec	120 SEC 6 Bolt Round	0420-043-501	120-1411-10	308 5043 201
	DGD-120 2b4" sec	120 SEC 2 Bolt 4" B	0420-040-501	120-1231-10	308 5020 201
	DGD-120 2b4" sh sec	120 SEC 2 Bolt 4" B Short	0420-048-501	120-1231-20	308 5029 205
	DWD-120 2b3 1/4" sec	120 SEC 2 Bolt 3" A	0420-041-501	120-1221-10	308 5020 204

PEC - PORT END COVERS					
E	EXD-120 pec	120 PEC port end cover	0420-030-501	120-4100-00	308 3100 100

BEARING CARRIERS					
F	FVD-120 bc	120 Bearing Carrier	0420-035-501	120-3100-00	308 7300 100



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# SERIES 120



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>THRUST PLATES</b>					
<b>I</b>	IZA-131 cs	131 Connecting Shaft	0430-038-500	131-7000-00	312 1133 001
<b>CONNECTING SHAFT</b>					
<b>I</b>	GAA-131 tp	131 Thrust Plate	0430-040-500	131-8120-00	391 2185 013
<b>CONTINENTAL SHAFTS</b>					
<b>J</b>	JAH-131 14spl cds	131 1 1/4" 14 Spl Shaft	0430-054-500	131-6100-45	312 1135 133
	JAI-131 9spl cds	131 5/8" 9 Spl Shaft	0430-061-500	131-6100-20	312 1000 200
	JAJ-131 13spl cds	131 7/8" 13 Spl Shaft	0430-051-500	131-6100-32	312 1135 138
	JAJ-131 13spl sh cds	131 7/8" 13 Spl Shaft Short	0430-052-500	131-6200-32	SPECIAL
	JAK-131 7/8" key cds	131 7/8" Key Shaft	0430-059-500	131-6100-12	312 1500 300
	JAM-131 6spl cds	131 6 Spl Shaft	0430-068-500	131-6400-03	312 1000 003
	JAU-131 15spl cds	131 1" 15 Spl Shaft	0430-063-500	131-6100-53	SPECIAL
	JAV-131 3/4" key cds	131 3/4" Key Shaft	0430-057-500	131-6100-11	312 1135 152
	JAW-131 1 1/4" key cds	131 1 1/4" Key Shaft	0430-067-500	131-6100-15	SPECIAL
	JAX-131 7/8" thrd cds	131 7/8" Key Threaded Shaft	0430-058-500	131-6400-12	312 1135 171
	JED-131 1" key cds	131 1" Key Shaft	0430-060-500	131-6100-13	312 1500 400
JMT-131 1 1/8" key cds	131 1 1/8" Key Shaft	0430-056-500	131-6100-14	SPECIAL	
<b>BEARINGS</b>					
<b>K</b>	KX-131-40 shaft brg	131/230 Shaft Bearing	0430-105-200	131-8020-00	391 0381 040
	KY-131 roller brg	131 Roller Bearing	0430-104-200	131-8010-00	391 0381 068
<b>SEALS</b>					
<b>L</b>	LUB-120-239 bs	120 Body Seal	0420-108-200	120-8720-00	391 2884 019
	LX-131-11 motor seal	131 Shaft Seal Motor C	0430-121-200	131-8713-00	391 2883 126
	LX-131-16 pump seal	131 Shaft Seal Pump I	0430-102-200	131-8711-00	391 2883 058
	LX-131-18 pump seal	131 Shaft Seal Pump C	0475-110-200	131-8712-00	391 2883 107
	LX-131-9 motor seal	131 Shaft Seal Motor I	0430-101-200	131-8714-00	391 2883 119
	LX-131V-16 viton seal	131 Viton seal	0430-098-200	131-8711-10	
LX-131V-18 viton seal	131 Viton seal	0430-099-200	131-8712-10		
<b>RING SEALS</b>					
<b>O</b>	OLB-131-1 ring seal	131 Ring Seal	0430-036-200	131-8910-00	391 2585 006
<b>O-RINGS</b>					
<b>P</b>	PBA-131-2 ps	131/151 Pocket Seal for 2 plates	0430-107-200	XXX-8743-90	391 2882 051
<b>SPACERS</b>					
<b>Q</b>	QAE-131 s/spacer	131 Seal Spacer	0430-041-500	131-8410-00	391 3381 040
	QTB-131 shaft spacer	131 Shaft Spacer	0430-066-500	131-8420-00	312 0100 002
	QVB-131-2 brg spacer	131 Bearing Spacer	0430-042-500	131-8430-02	391 3383 069
<b>KEYS</b>					
<b>R</b>	RX-113 key	290 Key	0451-010-200	XXX-8920-04	391 1781 020
	RX-13 key	290 Key 1/4" x 3/8" x 1 1/4"	0425-130-200	XXX-8920-01	391 1781 021
	RX-16 key	290 Key 1/4" x 1/4" x 1 1/4"	0425-132-200	XXX-8920-05	391 1781 082
	RX-17 key	290 Key 1/4" x 3/8" x 1"	0430-122-200	XXX-8920-02	391 1781 025
	RX-18 key	290 Key 1/4" x 1/4" x 1"	0430-123-200	XXX-8920-05	391 1781 085
	RX-19 key	290 Key 5/16" x 5/16" x 1 1/2"	0425-133-200	XXX-8920-06	391 1781 083
	RX-20 key	290 Key 19 x 1.25 .28	0415-140-200	XXX-8920-04	391 1781 027
	RX-38 key	290 Key 5/16" x 15/32" x 1 1/2"	0425-129-200	XXX-8920-03	391 1781 045
RX-54 key	290 Key 5/16" x 5/16" x 1 1/4"	0430-124-200	XXX-8920-07	391 1781 007	
<b>SNAP RINGS</b>					
<b>S</b>	SX-131-100 snap ring	131/230 Snap Ring Shaft	0425-109-200	XXX-8320-00	391 2685 011
	SX-131-206 snap ring	131/230 Snap Ring SEC	0425-110-200	XXX-8310-00	391 2686 063



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# SERIES 120



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>BOLTS, STUDS, NUTS AND WASHERS</b>					
<b>V</b>	VBOLT 9/16" X 4.00"	120 Bolt 9/16" UNC	0420-145-200	120-8216-B0	391 1401 379
	VBOLT 9/16" X 4.25"	120 Bolt 9/16" UNC	0420-146-200	120-8216-B1	391 1401 395
	VBOLT 9/16" X 4.50"	120 Bolt 9/16" UNC	0420-147-200	120-8216-B2	391 1401 385
	VBOLT 9/16" X 5.00"	120 Bolt 9/16" UNC	0420-149-200	120-8216-C0	391 1401 381
	VBOLT 9/16" X 5.50"	120 Bolt 9/16" UNC	0420-150-200	120-8216-C2	391 1401 382
	VNUT 9/16"	120 Vnut 9/16"	0420-176-200	120-8236-00	391 1451 115
	VSTUD 9/16" X 06"-11"	120 Stud 9/16" unc 06"-11"	0483-060-110	120-8226-01	SPECIAL
	VSTUD 9/16" X 11"-16"	120 Stud 9/16" unc 11"-16"	0483-110-160	120-8226-02	SPECIAL
	VSTUD 9/16" X 16"-21"	120 Stud 9/16" unc 16"-21"	0483-160-210	120-8226-03	SPECIAL
	VSTUD 9/16" X 21"-26"	120 Stud 9/16" unc 21"-26"	0483-210-260	120-8226-04	SPECIAL
VWASHER 9/16"	120 9/16" washer	0420-177-500	120-8244-00	391 3782 146	
<b>GENERAL</b>					
<b>W</b>	WM-1391-K check valve	290 Check Valve SEC	0431-001-200	XXX-8820-00	391 3681 001
	WT-131-1391 plug	290 Plug SEC	0431-002-200	XXX-8810-00	391 2286 004
	WX-131-11 plug	290 Plug 1/4" npt	0475-111-200	XXX-8810-00	391 2281 010

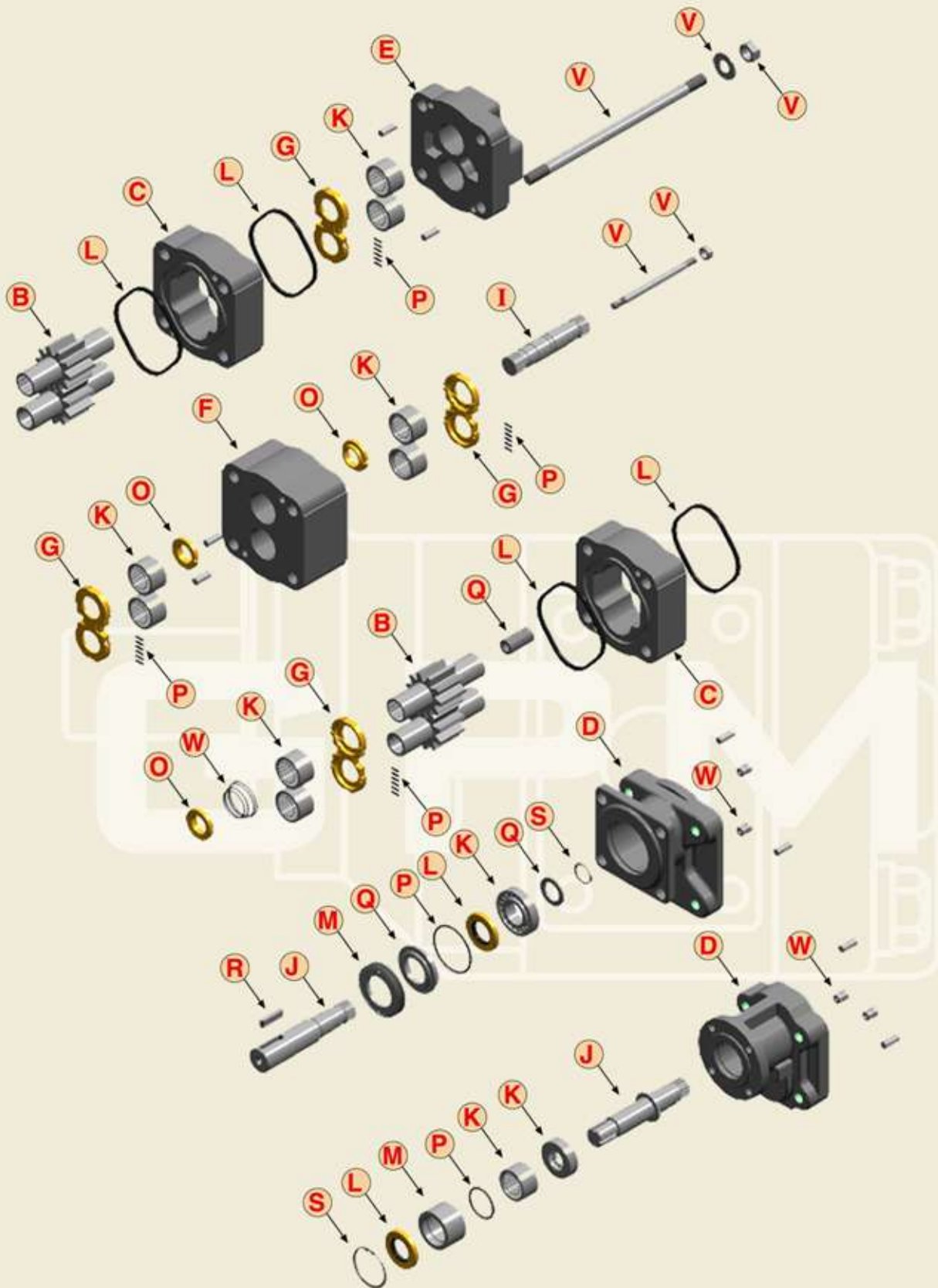
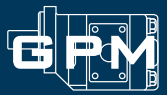


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# SERIES I 25



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# SERIES 125



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>CONTINENTAL GEAR SETS</b>					
<b>B</b>	BKA-125-05 gs	125 Gear Set -05	0325-011-100	125-5305-00	303 2805 000
	BKA-125-07 gs	125 Gear Set -07	0325-012-100	125-5307-00	303 2807 000
	BKA-125-10 gs	125 Gear Set -10	0325-013-100	125-5310-00	303 2810 000
	BKA-125-12 gs	125 Gear Set -12	0325-014-100	125-5312-00	303 2812 000
	BKA-125-15 gs	125 Gear Set -15	0325-015-100	125-5315-00	303 2815 000
	BKA-125-17 gs	125 Gear Set -17	0325-016-100	125-5317-00	303 2817 000
	BKA-125-20 gs	125 Gear Set -20	0325-017-100	125-5320-00	303 2820 000
	BKA-125-22 gs	125 Gear Set -22	0325-018-100	125-5322-00	303 2822 000
BKA-125-25 gs	125 Gear Set -25	0325-019-100	125-5325-00	303 2825 000	
<b>GEAR HOUSINGS</b>					
<b>C</b>	CMA-151-05 hsg	151 Housing -05	0425-005-501	151-2105-00	313 8205 100
	CMA-151-07 hsg	151 Housing -07	0425-007-501	151-2107-00	313 8207 100
	CMA-151-10 hsg	151 Housing -10	0425-010-501	151-2110-00	313 8210 100
	CMA-151-12 hsg	151 Housing -12	0425-012-501	151-2112-00	313 8212 100
	CMA-151-15 hsg	151 Housing -15	0425-015-501	151-2115-00	313 8215 100
	CMA-151-17 hsg	151 Housing -17	0425-017-501	151-2117-00	313 8217 100
	CMA-151-20 hsg	151 Housing -20	0425-020-501	151-2120-00	313 8220 100
	CMA-151-22 hsg	151 Housing -22	0425-022-501	151-2122-00	313 8222 100
CMA-151-25 hsg	151 Housing -25	0425-025-501	151-2125 00	313 8225 100	
<b>SEC - SHAFT END COVERS</b>					
<b>D</b>	DCB-125 6b sec	125 SEC 6 Bolt Round	0425-076-500	125-1411-10	303 5043 202
	DCB-125-3 4b sec	125 SEC 4 Bolt Round	0425-051-500	125-1311-10	303 5043 204
	DSA-125 pad sec	125 SEC Pad Mount	0425-054-500	125-1101-10	303 5011 202
	DTA-125 4b4" sec	125 SEC 4 Bolt 4" B	0425-035-500	125-1331-10	303 5031 201
	DUA-125 2b4" sec	125 SEC 2 Bolt 4" B	0425-079-500	125-1231-10	303 5021 203
	DXA-125 4b5" sec	125 SEC 4 Bolt 5" C	0425-034-500	125-1341-10	303 5031 202
	DYA-125 2b5" sec	125 SEC 2 Bolt 5" C	0425-080-500	125-1241-10	303 5021 204
<b>PEC - PORT END COVERS</b>					
<b>E</b>	EZA-151 pec	151 PEC	0450-033-501	151-4100-00	313 3120 100
	EZA-151-4 port pec	151 PEC 4 PORT Ported	0450-034-501	151-4200-00	313 3420 100
<b>BEARING CARRIERS</b>					
<b>F</b>	FKB-125 bc	125 Bearing Carrier	0425-031-501	125-3100-00	303 7300 100
<b>THRUST PLATES</b>					
<b>G</b>	GY-151 tp	151 Thrust Plate	0450-035-500	151-8120-00	391 2185 012
<b>CONNECTING SHAFT</b>					
<b>I</b>	ITA-125 cs	125 Connecting Shaft	0425-036-500	125-7000-00	303 1133 001
<b>CONTINENTAL SHAFTS</b>					
<b>J</b>	JHB-125 7/8" key cds	125 7/8" Key Shaft	0425-053-500	125-6100-12	303 1135 012
	JHC-125 6spl cds	125 1" 6 Spl Shaft	0425-052-500	125-6100-02	303 1135 013
	JPB-125 14spl cds	125 1 1/4" 14 Spl Shaft	0425-050-500	125-6100-45	303 1135 021
	JRB-125 1 1/4" cds	125 1 1/4" Key Shaft	0425-049-500	125-6100-15	303 1135 023
	JVB-125 13spl cds	125 7/8" 13 Spl Shaft	0425-077-500	125-6100-32	303 1135 028
	JWB-125 7/8" key cds	125 7/8" Key Shaft	0425-048-500	125-6100-12	303 1135 030
<b>BEARINGS</b>					
<b>K</b>	KS-151 roller brg	151/125 Roller Bearing	0425-118-200	151-8010-00	391 0381 059
	KX-125-162 thrust brg	125 Bearing Assembly	0425-108-200	125-8030-00	391 0383 001
	KX-125-8 taper brg	125 Taper Roller Bearing	0425-107-200	125-8010-00	391 0384 008
<b>SEC - SHAFT END COVERS</b>					
<b>L</b>	LK-125-19 backup	125 Backup Ring	0425-113-200	125-8745-00	391 2681 248
	LUB-151-244 bs	125/151 Body Seal	0425-117-200	151-8720-00	391 2884 021
	LX-125-13 pump seal	125 Shaft Seal Pump C	0425-101-200	125-8711-00	391 2883 055
	LX-125-15 pump seal	125 Shaft Seal Pump C	0425-103-200	125-8712-00	391 2883 057
	LX-125-3 motor seal	125 Shaft Seal Motor C	0425-102-200	125-8714-00	391 2883 096
	LX-125V-13 viton seal	125 Viton seal	0425-098-200	125-8711-10	
	LX-125V-15 viton seal	125 Viton seal	0425-099-200	125-8712-10	



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# SERIES 125



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>RETAINERS</b>					
<b>M</b>	MAV-125 s/retainer	125 Seal Retainer Motor	0425-071-500	125-8510-00	391 2584 024
	MGA-125 s/retainer	125 Seal Retainer Pump	0425-070-500	125-8500-00	391 3281 004
	MLA-125 retainer	125 Retainer Nut Motor	0425-072-500	125-8210-00	391 2581 001
	MW-125 retainer	125 Retainer Nut Pump	0425-037-500	125-8200-00	391 2581 009
<b>RING SEALS</b>					
<b>O</b>	OAH-125 shaft bush	125 Drive Shaft Bush	0425-046-200	125-8030-00	391 0481 002
	OAR-125 shaft bush	125 Conn Shaft Bush	0425-047-200	125-8040-00	391 0481 003
<b>O-RINGS</b>					
<b>P</b>	PL-125-109 o/ring	125 Shaft	0425-105-200	125-8745-01	391 2881 203
	PR-125-8 o/ring	125 Shaft Motor	0425-106-200	125-8745-03	391 2881 261
	PL-125-26 o/ring	125 Retainer	0425-104-200	125-8745-02	391 2881 120
	PBA-131-2 ps	125 Pocket Seal	0430-107-200	150-8743-90	391 2882 051
<b>SPACERS</b>					
<b>Q</b>	QDB-125 s/spacer	125 Shaft Spacer	0425-057-500	125-8420-00	391 2585 001
	QGB-125 brg spacer	125 Bearing Spacer	0425-075-500	125-8430-00	391 3381 007
	QSA-125 s/spacer	125 Seal Spacer	0425-038-500	125-8410-00	391 2584 016
	QTA-125-1 spacer	125 Internal Spacer	0425-060-500	125-8431-00	391 3383 002
	QTA-125-2 spacer	125 Internal Spacer	0425-061-500	125-8432-00	391 3383 003
	QTA-125-3 spacer	125 Internal Spacer	0425-062-500	125-8433-00	391 3383 004
	QTA-125-4 spacer	125 Internal Spacer	0425-063-500	125-8434-00	391 3383 005
	QTA-125-5 spacer	125 Internal Spacer	0425-064-500	125-8435-00	391 3383 006
	QTA-125-6 spacer	125 Internal Spacer	0425-065-500	125-8436-00	391 3383 007
	QTA-125-7 spacer	125 Internal Spacer	0425-066-500	125-8437-00	391 3383 008
	QTA-125-8 spacer	125 Internal Spacer	0425-067-500	125-8438-00	391 3383 009
	QTA-125-9 spacer	125 Internal Spacer	0425-068-500	125-8439-00	391 3383 010
QYA-125-1 shaft spacer	125 Shaft Spacer	0425-056-500	125-8420-00	391 3383 015	
<b>KEYS</b>					
<b>R</b>	RX-113 key	290 Key	0451-010-200	XXX-8920-04	391 1781 020
	RX-13 key	290 Key 1/4" x 3/8" x 1 1/4"	0425-130-200	XXX-8920-01	391 1781 021
	RX-17 key	290 Key 1/4" x 3/8" x 1 "	0430-122-200	XXX-8920-02	391 1781 025
	RX-20 key	290 Key .19 x 1.25 .28	0415-140-200	XXX-8920-04	391 1781 027
	RX-38 key	290 Key 5/16" x 15/32" x 1 1/2"	0425-129-200	XXX-8920-03	391 1781 045
	RX-54 key	290 Key 5/16" x 5/16" x 1 1/4"	0430-124-200	XXX-8920-07	391 1781 007
<b>SNAP RINGS</b>					
<b>S</b>	SX-125-13 snap ring	125 Snap Ring Shaft Type 2	0425-111-200	125-8320-00	391 2688 012
<b>BOLTS, STUDS, NUTS &amp; WASHERS</b>					
<b>V</b>	VBOLT 5/8" X 3.75"	290 Bolt 5/8" UNC	0425-151-200	XXX-8212-A3	391 1401
	VBOLT 5/8" X 4.00"	290 Bolt 5/8" UNC	0425-152-200	XXX-8212-B0	391 1401 463
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-160-200	XXX-8212-B1	391 1401 346
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-153-200	XXX-8212-B2	391 1401 294
	VBOLT 5/8" X 4.75"	290 Bolt 5/8" UNC	0425-161-200	XXX-8212-B3	391 1401 341
	VBOLT 5/8" X 5.00"	290 Bolt 5/8" UNC	0425-154-200	XXX-8212-B0	391 1401 295
	VBOLT 5/8" X 5.25"	290 Bolt 5/8" UNC	0425-159-200	XXX-8212-C1	391 1401
	VBOLT 5/8" X 5.50"	290 Bolt 5/8" UNC	0425-155-200	XXX-8212-B2	391 1401 362
	VBOLT 5/8" X 5.75"	290 Bolt 5/8" UNC	0425-162-200	XXX-8212-C3	391 1401 334
	VBOLT 5/8" X 6.00"	290 Bolt 5/8" UNC	0425-156-200	XXX-8212-D0	391 1401 405
	VBOLT 5/8" X 6.25"	290 Bolt 5/8" UNC	0425-166-200	XXX-8212-D1	391 1401
	VBOLT 5/8" X 6.50"	290 Bolt 5/8" UNC	0425-157-200	XXX-8212-D2	391 1401 363
	VBOLT 5/8" X 6.75"	290 Bolt 5/8" UNC	0425-163-200	XXX-8212-D3	391 1401 528
	VBOLT 5/8" X 7.00"	290 Bolt 5/8" UNC	0425-158-200	XXX-8212-E0	391 1401 409
	VBOLT 5/8" X 8.00"	290 Bolt 5/8" UNC	0425-164-200	XXX-8212-F0	391 1401 473
	VBOLT 5/8" X 9.00"	290 Bolt 5/8" UNC	0425-165-200	XXX-8212-J0	391 1401 374
	VNUT 5/8"	290-5/8" Nut	0455-176-200	XXX-8230-00	391 1451 076
	VROD 5/8"	290 Tie Rod 5/8" unc	0425-140-200	XXX-8222-00	SPECIAL
	VSTUD 5/8" X 06"-11"	290 Stud 5/8" unc 06"-11"	0484-060-110	XXX-8222-01	SPECIAL
	VSTUD 5/8" X 11"-16"	290 Stud 5/8" unc 11"-16"	0484-110-160	XXX-8222-02	SPECIAL
	VSTUD 5/8" X 16"-21"	290 Stud 5/8" unc 16"-21"	0484-160-210	XXX-8222-03	SPECIAL
VSTUD 5/8" X 21"-26"	290 Stud 5/8" unc 21"-26"	0484-210-260	XXX-8222-04	SPECIAL	
VWASHER 5/8"	290-131/151/230/250 5/8" washer"	0450-177-500	XXX-8242-00	391 3784 028	
<b>GENERAL</b>					
<b>W</b>	WA-125-182 spring	125 Spring	0425-114-200	125-8900-00	391 3581 176
	WEB-125 thrust washer	125 Thrust Washer	0425-112-200	125-8244-00	391 3785 005
	WM-1391-K check valve	290 Check Valve SEC	0431-001-200	XXX-8820-00	391 3681 001
	WT-131-1391 plug	290 Plug SEC	0431-002-200	XXX-8810-00	391 2286 004
	WX-125-20 roll pin	125 Roll Pin	0425-119-200	125-8610-00	391 2084 020
	WX-131-11 plug	290 Plug 1/4" npt	0475-111-200	XXX-8810-00	391 2281 010



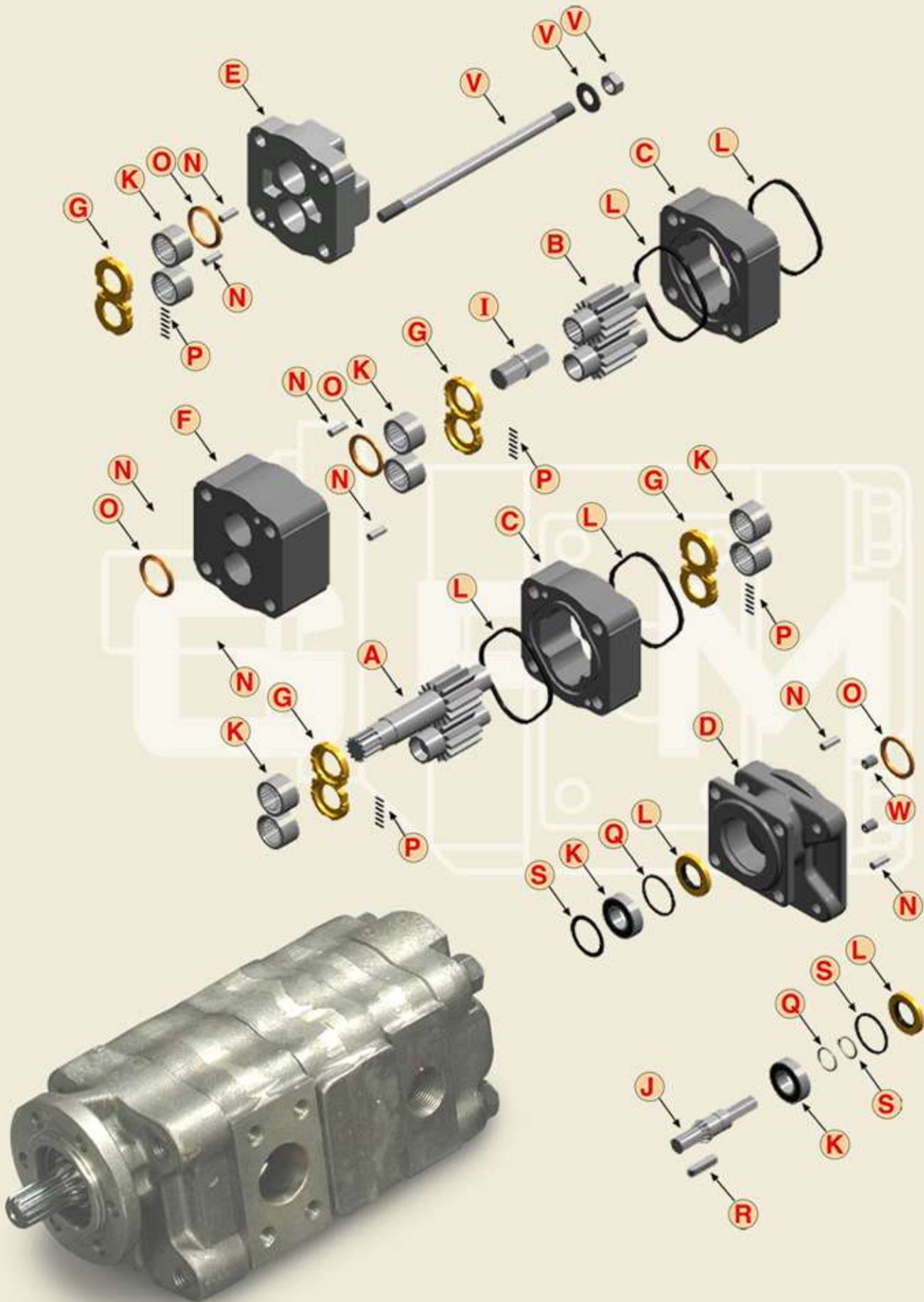
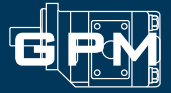
Manufactured in South Africa

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# SERIES 13 I



Manufactured in South Africa

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# SERIES 131



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>INTEGRAL GEAR SETS</b>					
<b>A</b>	ABD-131-07 gs	131 7/8" 13 Spl Gear Set -07	0330-022-100	131-5107-32	312 2907 230
	ABD-131-10 gs	131 7/8" 13 Spl Gear Set -10	0330-023-100	131-5110-32	312 2910 230
	ABD-131-12 gs	131 7/8" 13 Spl Gear Set -12	0330-024-100	131-5112-32	312 2912 230
	ABD-131-15 gs	131 7/8" 13 Spl Gear Set -15	0330-025-100	131-5115-32	312 2915 230
	ABD-131-17 gs	131 7/8" 13 Spl Gear Set -17	0330-026-100	131-5117-32	312 2917 230
	ABD-131-20 gs	131 7/8" 13 Spl Gear Set -20	0330-027-100	131-5120-32	312 2920 230
	ABD-131-25 gs	131 7/8" 13 Spl Gear Set -25	0330-029-100	131-5125-32	312 2925 230
	ABD-131-4-07 gs	131 7/8" 13 Spl Gear Set -07 short	0330-039-100	131-5207-32	312 2907 330
	ABD-131-4-10 gs	131 7/8" 13 Spl Gear Set -10 short	0330-040-100	131-5210-32	312 2910 330
	ABD-131-4-12 gs	131 7/8" 13 Spl Gear Set -12 short	0330-041-100	131-5212-32	312 2912 330
	ABD-131-4-15 gs	131 7/8" 13 Spl Gear Set -15 short	0330-042-100	131-5215-32	312 2915 330
	ABD-131-4-17 gs	131 7/8" 13 Spl Gear Set -17 short	0330-043-100	131-5217-32	312 2917 330
	ABD-131-4-20 gs	131 7/8" 13 Spl Gear Set -20 short	0330-044-100	131-5220-32	312 2920 330
	ADD-131-07 gs	131 7/8" Key Gear Set -07	0330-032-100	131-5107-12	312 2907 630
	ADD-131-10 gs	131 7/8" Key Gear Set -10	0330-033-100	131-5110-12	312 2910 630
	ADD-131-12 gs	131 7/8" Key Gear Set -12	0330-034-100	131-5112-12	312 2912 630
	ADD-131-15 gs	131 7/8" Key Gear Set -15	0330-035-100	131-5115-12	312 2915 630
	ADD-131-17 gs	131 7/8" Key Gear Set -17	0330-036-100	131-5117-12	312 2917 630
	ADD-131-20 gs	131 7/8" Key Gear Set -20	0330-037-100	131-5120-12	312 2920 630
	AED-131-05 gs	131 1" Key Gear Set -05	0330-048-100	131-5105-13	312 2905 740
	AED-131-07 gs	131 1" Key Gear Set -07	0330-049-100	131-5107-13	312 2907 740
	AED-131-10 gs	131 1" Key Gear Set -10	0330-050-100	131-5110-13	312 2910 740
	AED-131-12 gs	131 1" Key Gear Set -12	0330-051-100	131-5112-13	312 2912 740
	AED-131-15 gs	131 1" Key Gear Set -15	0330-052-100	131-5115-13	312 2915 740
	AED-131-17 gs	131 1" Key Gear Set -17	0330-053-100	131-5117-13	312 2917 740
	AED-131-20 gs	131 1" Key Gear Set -20	0330-054-100	131-5120-13	312 2920 740
AED-131-25 gs	131 1" Key Gear Set -25	0330-055-100	131-5125-13	312 2925 740	
ATH-131-17 taper gs	131 15/16 keyed 7/8unf thread	0330-090-100	131-5117-77	312 2917 603	
<b>CONTINENTAL GEAR SETS</b>					
<b>B</b>	BV-131-05 gs	131 Gear Set -05	0330-011-100	131-5305-00	312 2805 000
	BV-131-07 gs	131 Gear Set -07	0330-012-100	131-5307-00	312 2807 000
	BV-131-10 gs	131 Gear Set -10	0330-013-100	131-5310-00	312 2810 000
	BV-131-12 gs	131 Gear Set -12	0330-014-100	131-5312-00	312 2812 000
	BV-131-15 gs	131 Gear Set -15	0330-015-100	131-5315-00	312 2815 000
	BV-131-17 gs	131 Gear Set -17	0330-016-100	131-5317-00	312 2817 000
	BV-131-20 gs	131 Gear Set -20	0330-017-100	131-5320-00	312 2820 000
	BV-131-22 gs	131 Gear Set -22	0330-018-100	131-5322-00	312 2822 000
BV-131-25 gs	131 Gear Set -25	0330-019-100	131-5325-00	312 2825 000	
<b>GEAR HOUSINGS</b>					
<b>C</b>	CRA-131-05 hsg	131 Housing -05	0430-005-501	131-2105-00	312 8205 100
	CRA-131-07 hsg	131 Housing -07	0430-007-501	131-2107-00	312 8207 100
	CRA-131-10 hsg	131 Housing -10	0430-010-501	131-2110-00	312 8210 100
	CRA-131-12 hsg	131 Housing -12	0430-012-501	131-2112-00	312 8212 100
	CRA-131-15 hsg	131 Housing -15	0430-015-501	131-2115-00	312 8215 100
	CRA-131-17 hsg	131 Housing -17	0430-017-501	131-2117-00	312 8217 100
	CRA-131-20 hsg	131 Housing -20	0430-020-501	131-2120-00	312 8220 100
	CRA-131-22 hsg	131 Housing -22	0430-022-501	131-2122-00	312 8222 100
CRA-131-25 hsg	131 Housing -25	0430-025-501	131-2125-00	312 8225 100	
<b>SEC - SHAFT END COVERS</b>					
<b>D</b>	DEB-131 4b4" sec	131 SEC 4 Bolt 4" B	0430-033-501	131-1331-10	312 5037 201
	DFB-131 6b sec	131 SEC 6 Bolt Round	0430-047-501	131-1411-10	312 5047 201
	DGB-131 2b4" sec	131 SEC 2 Bolt 4" B	0430-048-501	131-1231-10	312 5027 201
	DPB-131 4b5" sec	131 SEC 4 Bolt 5" C	0430-034-501	131-1341-10	312 5037 202
	DWB-131 2b3 1/4" sec	131 SEC 2 Bolt 3" A	0430-049-501	131-1221-10	312 5027 204
<b>PEC - PORT END COVERS</b>					
<b>E</b>	EDC-131-24 pec	131 PEC PB 131/131	0430-072-500	131-4600-00	312 5029 213
	EXA-131 pec	131 PEC	0430-030-501	131-4100-00	312 3120 100
	EXA-131-4 port pec	131 PEC 4 PORT Ported	0430-035-501	131-4200-00	312 3420 100
<b>BEARING CARRIERS</b>					
<b>F</b>	FVA-131 bc	131 Bearing Carrier	0430-031-501	131-3100-00	312 7740 100
	FVA-131-11 bc	131 BC with 1/4" npt drain	0430-029-500	131-3100-10	



Manufactured in South Africa

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# SERIES 131



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>THRUST PLATES</b>					
<b>G</b>	GAA-131 tp	131 Thrust Plate	0430-040-500	131-8120-00	391 2185 013
<b>CONNECTING SHAFT</b>					
<b>I</b>	IAF-131/131 cs	131 Connecting shaft PB 131/131	0430-055-500	131-7100-00	312 1133 002
	IZA-131 cs	131 Connecting Shaft	0430-038-500	131-7000-00	312 1133 001
<b>CONTINENTAL SHAFTS</b>					
<b>J</b>	JAH-131 14spl cds	131 1 1/4" 14 Spl Shaft	0430-054-500	131-6100-45	312 1135 133
	JAI-131 9spl cds	131 5/8" 9 Spl Shaft	0430-061-500	131-6100-20	312 1000 200
	JAJ-131 13spl cds	131 7/8" 13 Spl Shaft	0430-051-500	131-6100-32	312 1135 138
	JAJ-131 13spl sh cds	131 7/8" 13 Spl Shaft Short	0430-052-500	131-6200-32	SPECIAL
	JAK-131 7/8" key cds	131 7/8" Key Shaft	0430-059-500	131-6100-12	312 1500 300
	JAM-131 6spl cds	131 6 Spl Shaft	0430-068-500	131-6400-03	312 1000 003
	JAU-131 15spl cds	131 1" 15 Spl Shaft	0430-063-500	131-6100-53	SPECIAL
	JAV-131 3/4" key cds	131 3/4" Key Shaft	0430-057-500	131-6100-11	312 1135 152
	JAW-131 1 1/4" key cds	131 1 1/4" Key Shaft	0430-067-500	131-6100-15	SPECIAL
	JAX-131 7/8" thrd cds	131 7/8" Key Threaded Shaft	0430-058-500	131-6400-12	312 1135 171
	JED-131 1" key cds	131 1" Key Shaft	0430-060-500	131-6100-13	312 1500 400
JMT-131 1 1/8" key cds	131 1 1/8" Key Shaft	0430-056-500	131-6100-14	SPECIAL	
<b>BEARINGS</b>					
<b>K</b>	KX-131-40 shaft brg	131/230 Shaft Bearing	0430-105-200	131-8020-00	391 0381 040
	KY-131 roller brg	131 Roller Bearing	0430-104-200	131-8010-00	391 0381 068
<b>SEALS</b>					
<b>L</b>	LUB-131-242 bs	131/230 Body Seal	0430-108-200	131-8720-00	391 2884 050
	LX-131-11 motor seal	131 Shaft Seal Motor C	0430-121-200	131-8713-00	391 2883 126
	LX-131-16 pump seal	131 Shaft Seal Pump I	0430-102-200	131-8711-00	391 2883 058
	LX-131-18 pump seal	131 Shaft Seal Pump C	0475-110-200	131-8712-00	391 2883 107
	LX-131-9 motor seal	131 Shaft Seal Motor I	0430-101-200	131-8714-00	391 2883 119
	LX-131V-16 viton seal	131 Viton seal	0430-098-200	131-8711-10	
	LX-131V-18 viton seal	131 Viton seal	0430-099-200	131-8712-10	
<b>DOWEL PINS</b>					
<b>N</b>	NDOWEL-131	290 Dowel 131/151/230/250	0425-120-500	XXX-8600-00	391 2082 032
<b>RING SEALS</b>					
<b>O</b>	OLB-131-1 ring seal	131 Ring Seal	0430-036-200	131-8910-00	391 2585 006
<b>O - RINGS</b>					
<b>P</b>	PBA-131-2 ps	131/151 Pocket Seal for 2 plates	0430-107-200	XXX-8743-90	391 2882 051
	PL-PB131/131-30 o/ring	131 O-ring PB 131/131	0430-109-200	131-8745-05	391 2881 124
<b>SPACERS</b>					
<b>Q</b>	QAE-131 s/spacer	131 Seal Spacer	0430-041-500	131-8410-00	391 3381 040
	QAK-PB131/131 spacer	131 Spacer PB 131/131	0430-074-500	131-8440-00	391 2584 063
	QTB-131 shaft spacer	131 Shaft Spacer	0430-066-500	131-8420-00	312 0100 002
	QVB-131-2 brg spacer	131 Bearing Spacer	0430-042-500	131-8430-02	391 3383 069
<b>KEYS</b>					
<b>R</b>	RX-113 key	290 Key	0451-010-200	XXX-8920-04	391 1781 020
	RX-13 key	290 Key 1/4" x 3/8" x 1 1/4"	0425-130-200	XXX-8920-01	391 1781 021
	RX-16 key	290 Key 1/4" x 1/4" x 1 1/4"	0425-132-200	XXX-8920-05	391 1781 082
	RX-17 key	290 Key 1/4" x 3/8" x 1"	0430-122-200	XXX-8920-02	391 1781 025
	RX-18 key	290 Key 1/4" x 1/4" x 1"	0430-123-200	XXX-8920-05	391 1781 085
	RX-19 key	290 Key 5/16" x 5/16" x 1 1/2"	0425-133-200	XXX-8920-06	391 1781 083
	RX-20 key	290 Key .19 x 1.25 .28	0415-140-200	XXX-8920-04	391 1781 027
	RX-38 key	290 Key 5/16" x 15/32" x 1 1/2"	0425-129-200	XXX-8920-03	391 1781 045
	RX-54 key	290 Key 5/16" x 5/16" x 1 1/4"	0430-124-200	XXX-8920-07	391 1781 007



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# SERIES I 3 I



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
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## SNAP RINGS

<b>S</b>	SX-131-100 snap ring	131/230 Snap Ring Shaft	0425-109-200	XXX-8320-00	391 2685 011
	SX-131-206 snap ring	131/230 Snap Ring SEC	0425-110-200	XXX-8310-00	391 2686 063

## BOLYS, STUDS, NUTS AND WASHERS

<b>V</b>	VBOLT 5/8" X 3.75"	290 Bolt 5/8" UNC	0425-151-200	XXX-8212-A3	391 1401
	VBOLT 5/8" X 4.00"	290 Bolt 5/8" UNC	0425-152-200	XXX-8212-B0	391 1401 463
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-160-200	XXX-8212-B1	391 1401 346
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-153-200	XXX-8212-B2	391 1401 294
	VBOLT 5/8" X 4.75"	290 Bolt 5/8" UNC	0425-161-200	XXX-8212-B3	391 1401 341
	VBOLT 5/8" X 5.00"	290 Bolt 5/8" UNC	0425-154-200	XXX-8212-B0	391 1401 295
	VBOLT 5/8" X 5.25"	290 Bolt 5/8" UNC	0425-159-200	XXX-8212-C1	391 1401
	VBOLT 5/8" X 5.50"	290 Bolt 5/8" UNC	0425-155-200	XXX-8212-B2	391 1401 362
	VBOLT 5/8" X 5.75"	290 Bolt 5/8" UNC	0425-162-200	XXX-8212-C3	391 1401 334
	VBOLT 5/8" X 6.00"	290 Bolt 5/8" UNC	0425-156-200	XXX-8212-D0	391 1401 405
	VBOLT 5/8" X 6.25"	290 Bolt 5/8" UNC	0425-166-200	XXX-8212-D1	391 1401
	VBOLT 5/8" X 6.50"	290 Bolt 5/8" UNC	0425-157-200	XXX-8212-D2	391 1401 363
	VBOLT 5/8" X 6.75"	290 Bolt 5/8" UNC	0425-163-200	XXX-8212-D3	391 1401 528
	VBOLT 5/8" X 7.00"	290 Bolt 5/8" UNC	0425-158-200	XXX-8212-E0	391 1401 409
	VBOLT 5/8" X 8.00"	290 Bolt 5/8" UNC	0425-164-200	XXX-8212-F0	391 1401 473
	VBOLT 5/8" X 9.00"	290 Bolt 5/8" UNC	0425-165-200	XXX-8212-J0	391 1401 374
	VNUT 5/8"	290-5/8" Nut	0455-176-200	XXX-8230-00	391 1451 076
	VROD 5/8"	290 Tie Rod 5/8" unc	0425-140-200	XXX-8222-00	SPECIAL
	VSTUD 5/8" X 06"-11"	290 Stud 5/8" unc 06"-11"	0484-060-110	XXX-8222-01	SPECIAL
	VSTUD 5/8" X 11"-16"	290 Stud 5/8" unc 11"-16"	0484-110-160	XXX-8222-02	SPECIAL
	VSTUD 5/8" X 16"-21"	290 Stud 5/8" unc 16"-21"	0484-160-210	XXX-8222-03	SPECIAL
	VSTUD 5/8" X 21"-26"	290 Stud 5/8" unc 21"-26"	0484-210-260	XXX-8222-04	SPECIAL
VWASHER 5/8"	290-131/151/230/250 5/8" washer	0450-177-500	XXX-8242-00	391 3784 028	

## GENERAL

<b>W</b>	WM-1391-K check valve	290 Check Valve SEC	0431-001-200	XXX-8820-00	391 3681 001
	WT-131-1391 plug	290 Plug SEC	0431-002-200	XXX-8810-00	391 2286 004
	WX-131-11 plug	290 Plug 1/4" npt	0475-111-200	XXX-8810-00	391 2281 010 7

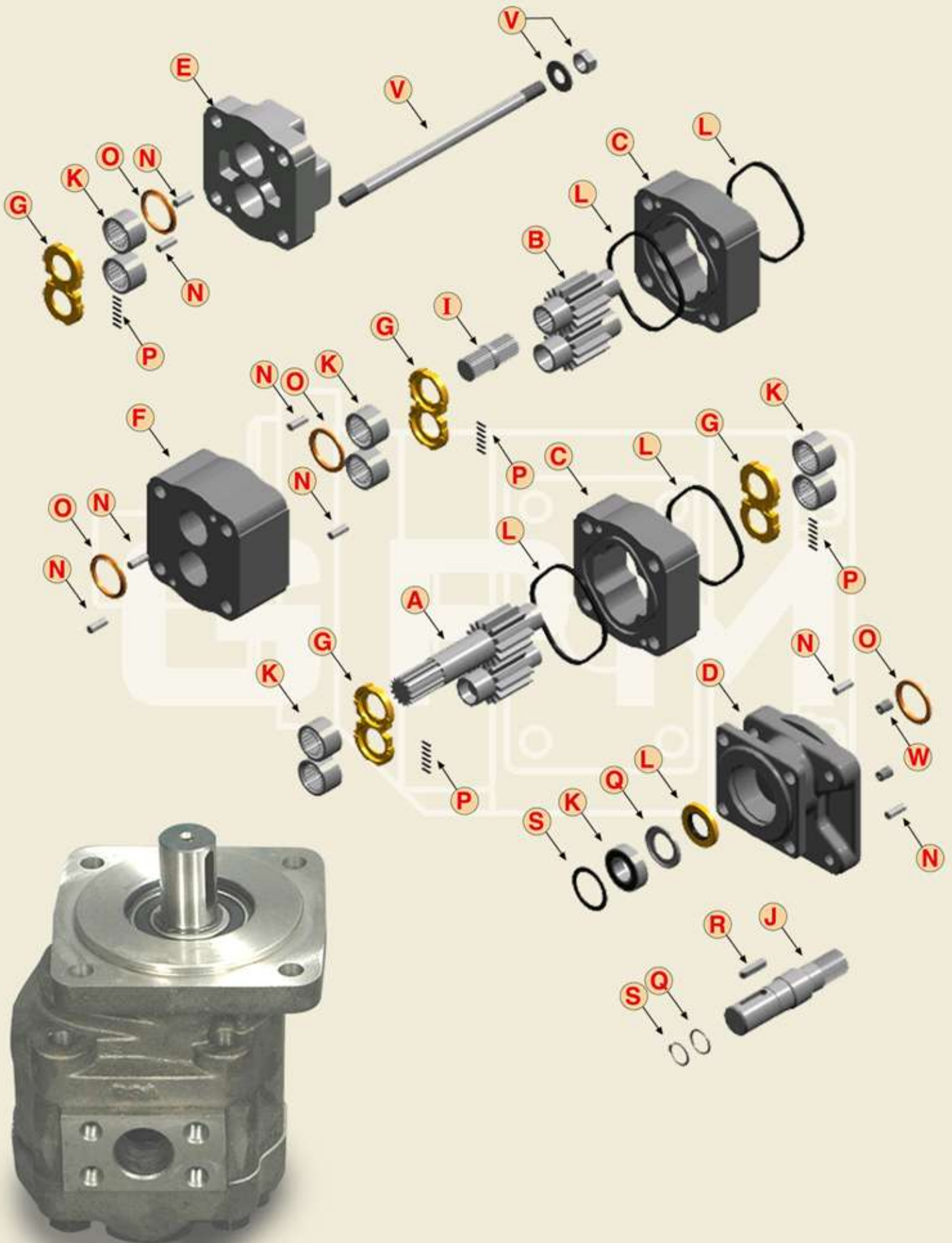
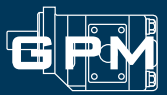


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# SERIES 15 I



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# SERIES 151



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
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## INTEGRAL GEAR SETS

<b>A</b>	APD-151-10 gs	151 1 1/4" 14 Spl Gear Set -10	0350-020-100	151-5110-45	313 2910 250
	APD-151-12 gs	151 1 1/4" 14 Spl Gear Set -12	0350-021-100	151-5112-45	313 2912 250
	APD-151-15 gs	151 1 1/4" 14 Spl Gear Set -15	0350-022-100	151-5115-45	313 2915 250
	APD-151-17 gs	151 1 1/4" 14 Spl Gear Set -17	0350-023-100	151-5117-45	313 2917 250
	APD-151-20 gs	151 1 1/4" 14 Spl Gear Set -20	0350-024-100	151-5120-45	313 2920 250
	APD-151-22 gs	151 1 1/4" 14 Spl Gear Set -22	0350-025-100	151-5122-45	313 2922 250
	APD-151-25 gs	151 1 1/4" 14 Spl Gear Set -25	0350-026-100	151-5125-45	313 2925 250
	APD-151-4-10 gs	151 1 1/4" 14 Spl Gear Set -10 short	0350-080-100	151-5210-45	313 2910 350
	APD-151-4-12 gs	151 1 1/4" 14 Spl Gear Set -12 short	0350-081-100	151-5212-45	313 2912 350
	APD-151-4-15 gs	151 1 1/4" 14 Spl Gear Set -15 short	0350-082-100	151-5212-45	313 2915 350
	APD-151-4-17 gs	151 1 1/4" 14 Spl Gear Set -17 short	0350-083-100	151-5217-45	313 2917 350
	APD-151-4-20 gs	151 1 1/4" 14 Spl Gear Set -20 short	0350-084-100	151-5220-45	313 2920 350
	APD-151-4-22 gs	151 1 1/4" 14 Spl Gear Set -22 short	0350-085-100	151-5222-45	313 2922 350
	APD-151-4-25 gs	151 1 1/4" 14 Spl Gear Set -25 short	0350-086-100	151-5225-45	313 2925 350
	ASD-151-10 gs	151 1 1/4" Key Gear Set -10	0350-052-100	151-5110-15	313 2910 750
	ASD-151-12 gs	151 1 1/4" Key Gear Set -12	0350-053-100	151-5112-15	313 2912 750
	ASD-151-15 gs	151 1 1/4" Key Gear Set -15	0350-054-100	151-5115-15	313 2915 750
	ASD-151-17 gs	151 1 1/4" Key Gear Set -17	0350-055-100	151-5117-15	313 2917 750
	ASD-151-20 gs	151 1 1/4" Key Gear Set -20	0350-056-100	151-5120-15	313 2920 750
	ASD-151-22 gs	151 1 1/4" Key Gear Set -22	0350-057-100	151-5122-15	313 2922 750
	ASD-151-25 gs	151 1 1/4" Key Gear Set -25	0350-058-100	151-5125-15	313 2925 750
	ATD-151-10 gs	151 1" Key Gear Set -10	0350-060-100	151-5110-13	313 2910 740
	ATD-151-12 gs	151 1" Key Gear Set -12	0350-061-100	151-5112-13	313 2912 740
	ATD-151-15 gs	151 1" Key Gear Set -15	0350-062-100	151-5115-13	313 2915 740
	ATD-151-17 gs	151 1" Key Gear Set -17	0350-063-100	151-5117-13	313 2917 740
	ATD-151-20 gs	151 1" Key Gear Set -20	0350-064-100	151-5120-13	313 2920 740
	ATD-151-22 gs	151 1" Key Gear Set -22	0350-065-100	151-5122-13	313 2922 740
	ATD-151-25 gs	151 1" Key Gear Set -25	0350-066-100	151-5125-13	313 2925 740
	AVD-151-10 gs	151 7/8" 13 Spl Gear Set -10	0350-070-100	151-5110-32	313 2910 230
	AVD-151-12 gs	151 7/8" 13 Spl Gear Set -12	0350-071-100	151-5112-32	313 2912 230
	AVD-151-1-25 gs	151 7/8" 13 Spl Gear Set -25 single	0455-066-100	151-5125-32	313 2925 130
	AVD-151-15 gs	151 7/8" 13 Spl Gear Set -15	0350-072-100	151-5115-32	313 2915 230
	AVD-151-17 gs	151 7/8" 13 Spl Gear Set -17	0350-073-100	151-5117-32	313 2917 230
	AVD-151-20 gs	151 7/8" 13 Spl Gear Set -20	0350-074-100	151-5120-32	313 2920 230
	AVD-151-22 gs	151 7/8" 13 Spl Gear Set -22	0350-075-100	151-5122-32	313 2922 230
	AVD-151-25 gs	151 7/8" 13 Spl Gear Set -25	0350-076-100	151-5125-32	313 2925 230
	AVD-151-4-17 gs	151 7/8" 13 Spl Gear Set -17 short"	0350-045-100	151-5217-32	313 2917 330
	AVD-151-4-20 gs	151 7/8" 13 Spl Gear Set -20 short	0350-046-100	151-5220-32	313 2920 330
	AVD-151-4-22 gs	151 7/8" 13 Spl Gear Set -22 short	0350-047-100	151-5222-32	313 2922 330
	AVD-151-4-25 gs	151 7/8" 13 Spl Gear Set -25 short	0350-048-100	151-5225-32	313 2925 330

## CONTINENTAL GEAR SETS

<b>B</b>	BMA-151-05 gs	151 Gear Set -05	0350-011-100	151-5305-00	313 2805 000
	BMA-151-07 gs	151 Gear Set -07	0350-012-100	151-5307-00	313 2807 000
	BMA-151-10 gs	151 Gear Set -10	0350-013-100	151-5310-00	313 2810 000
	BMA-151-12 gs	151 Gear Set -12	0350-014-100	151-5312-00	313 2812 000
	BMA-151-15 gs	151 Gear Set -15	0350-015-100	151-5315-00	313 2815 000
	BMA-151-17 gs	151 Gear Set -17	0350-016-100	151-5317-00	313 2817 000
	BMA-151-20 gs	151 Gear Set -20	0350-017-100	151-5320-00	313 2820 000
	BMA-151-22 gs	151 Gear Set -22	0350-018-100	151-5322-00	313 2822 000
	BMA-151-25 gs	151 Gear Set -25	0350-019-100	151-5325-00	313 2825 000

## GEAR HOUSINGS

<b>C</b>	CMA-151-05 hsg	151 Housing -05	0425-005-501	151-2105-00	313 8205 100
	CMA-151-07 hsg	151 Housing -07	0425-007-501	151-2107-00	313 8207 100
	CMA-151-10 hsg	151 Housing -10	0425-010-501	151-2110-00	313 8210 100
	CMA-151-12 hsg	151 Housing -12	0425-012-501	151-2112-00	313 8212 100
	CMA-151-15 hsg	151 Housing -15	0425-015-501	151-2115-00	313 8215 100
	CMA-151-17 hsg	151 Housing -17	0425-017-501	151-2117-00	313 8217 100
	CMA-151-20 hsg	151 Housing -20	0425-020-501	151-2120-00	313 8220 100
	CMA-151-22 hsg	151 Housing -22	0425-022-501	151-2122-00	313 8222 100
	CMA-151-25 hsg	151 Housing -25	0425-025-501	151-2125 00	313 8225 100

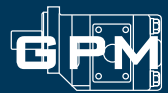
## SEC - SHAFT END COVERS

<b>D</b>	DHB-151 4b4" sec	151 SEC 4 Bolt 4" B	0450-053-501	151-1331-10	313 5037 201
	DKB-151 4b5" sec	151 SEC 4 Bolt 5" C	0450-052-501	151-1341-10	313 5037 202
	DNB-151 2b5" sec	151 SEC 2 Bolt 5" C	0450-055-501	151-1241-10	313 5027 202
	DRB-151 2b4" sec	151 SEC 2 Bolt 4" B	0450-054-501	151-1231-10	313 5027 201



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# SERIES 151



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>PEC - PORT END COVERS</b>					
<b>E</b>	EG-114 pec	114 PEC Blank	0451-034-501	114-4620-00	315 3220 100
	EZA-151 pec	151 PEC	0450-033-501	151-4100-00	313 3120 100
	EZA-151-4 port pec	151 PEC 4 PORT Ported	0450-034-501	151-4200-00	313 3420 100
<b>BEARING CARRIERS</b>					
<b>F</b>	FTA-151 bc	151 Bearing Carrier	0450-031-501	151-3100-00	313 7740 100
	FTA-151-11 bc	151 BC with 1/4" npt drain	0450-030-500	151-3100-10	
<b>THRUST PLATES</b>					
<b>G</b>	GY-151 tp	151 Thrust Plate	0450-035-500	151-8120-00	391 2185 012
<b>CONNECTING SHAFTS</b>					
<b>I</b>	IYA-151 cs	151 Connecting Shaft	0450-001-500	151-7000-00	313 1133 001
<b>CONTINENTAL SHAFTS</b>					
<b>J</b>	JAD-151 13spl cds	151 7/8" 13 Spl Shaft	0450-062-500	151-6100-32	313 1000 300
	JAE-151 1"key cds	151 1" Key Shaft	0450-061-500	151-6100-13	313 1500 400
	JAF-151 1 1/4"key cds	151 1 1/4" Key Shaft	0450-049-500	151-6100-15	313 1500 500
	JAG-151 14spl cds	151 1 1/4" 14 Spl Shaft	0450-050-500	151-6100-45	313 1135 194
	JAG-151 14spl long cds	151 1 1/4" 14 Spl Shaft Long	0450-051-500	151-6300-45	SPECIAL
	JAN-151 6spl cds	151 6 Spl Shaft	0450-068-500	151-6400-03	991 1355 068
	JAT-151 15spl cds	151 1" 15 Spl Shaft	0450-063-500	151-6100-53	313 1354 374
JGT-151 1 1/8"key cds	151 1 1/8" Key Shaft	0450-064-500	151-6100-14	313 1500 003	
<b>BEARINGS</b>					
<b>K</b>	KS-151 roller brg	151/125 Roller Bearing	0425-118-200	151-8010-00	391 0381 059
	KX-151-58 shaft brg	151/250 Shaft Bearing	0450-102-200	151-8020-00	391 0381 077
<b>SEALS</b>					
<b>L</b>	LUB-151-244 bs	125/151 Body Seal	0425-117-200	151-8720-00	391 2884 021
	LX-151-17 pump seal	151 Shaft Seal Pump	0430-103-200	151-8711-00	391 2883 103
	LX-151-8 motor seal	151 Shaft Seal Motor I	0450-101-200	151-8713-00	391 2883 115
	LX-151V-17 viton seal	151 Viton seal	0450-099-200	151-8711-10	
<b>DOWEL PINS</b>					
<b>N</b>	NDOWEL-131	290 Dowel 131/151/230/250	0425-120-500	XXX-8600-00	391 2082 032
<b>RING SEALS</b>					
<b>O</b>	ONB-151-1 ring seal	151 Ring Seal	0450-038-200	151-8910-00	391 2585 009
<b>O-RINGS</b>					
<b>P</b>	PBA-131-2 ps	131/151 Pocket Seal for 2 plates	0430-107-200	XXX-8743-90	391 2882 051
<b>SPACERS</b>					
<b>Q</b>	QAC-151 s/spacer	151 Seal Spacer	0450-040-500	151-8410-00	391 3383 087
	QVB/AC-151 spacer	151 Bearing Spacer	0450-039-200	151-8440-00	391 3383 087
	QVB-151-1 brg spacer	151 Bearing Spacer	0450-039-500	151-8430-01	391 3383 087
<b>KEYS</b>					
<b>R</b>	RX-113 key	290 Key	0451-010-200	XXX-8920-04	391 1781 020
	RX-13 key	290 Key 1/4" x 3/8" x 1 1/4"	0425-130-200	XXX-8920-01	391 1781 021
	RX-16 key	290 Key 1/4" x 1/4" x 1 1/4"	0425-132-200	XXX-8920-05	391 1781 082
	RX-17 key	290 Key 1/4" x 3/8" x 1 "	0430-122-200	XXX-8920-02	391 1781 025
	RX-18 key	290 Key 1/4" x 1/4" x 1"	0430-123-200	XXX-8920-05	391 1781 085
	RX-19 key	290 Key 5/16" x 5/16" x 1 1/2"	0425-133-200	XXX-8920-06	391 1781 083
	RX-20 key	290 Key .19 x 1.25 .28	0415-140-200	XXX-8920-04	391 1781 027
	RX-38 key	290 Key 5/16" x 15/32" x 1 1/2"	0425-129-200	XXX-8920-03	391 1781 045
RX-54 key	290 Key 5/16" x 5/16" x 1 1/4"	0430-124-200	XXX-8920-07	391 1781 007	
<b>SNAP RINGS</b>					
<b>S</b>	SX-151-125 snap ring	151 Snap Ring Shaft	0450-104-200	151-8320-00	391 2685 040
	SX-151-283 snap ring	151 Snap Ring SEC	0450-103-200	151-8310-00	391 2686 065



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# SERIES 151



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>BOLTS, STUDS, NUTS AND WASHERS</b>					
<b>V</b>	VBOLT 5/8" X 3.75"	290 Bolt 5/8" UNC	0425-151-200	XXX-8212-A3	391 1401
	VBOLT 5/8" X 4.00"	290 Bolt 5/8" UNC	0425-152-200	XXX-8212-B0	391 1401 463
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-160-200	XXX-8212-B1	391 1401 346
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-153-200	XXX-8212-B2	391 1401 294
	VBOLT 5/8" X 4.75"	290 Bolt 5/8" UNC	0425-161-200	XXX-8212-B3	391 1401 341
	VBOLT 5/8" X 5.00"	290 Bolt 5/8" UNC	0425-154-200	XXX-8212-B0	391 1401 295
	VBOLT 5/8" X 5.25"	290 Bolt 5/8" UNC	0425-159-200	XXX-8212-C1	391 1401
	VBOLT 5/8" X 5.50"	290 Bolt 5/8" UNC	0425-155-200	XXX-8212-B2	391 1401 362
	VBOLT 5/8" X 5.75"	290 Bolt 5/8" UNC	0425-162-200	XXX-8212-C3	391 1401 334
	VBOLT 5/8" X 6.00"	290 Bolt 5/8" UNC	0425-156-200	XXX-8212-D0	391 1401 405
	VBOLT 5/8" X 6.25"	290 Bolt 5/8" UNC	0425-166-200	XXX-8212-D1	391 1401
	VBOLT 5/8" X 6.50"	290 Bolt 5/8" UNC	0425-157-200	XXX-8212-D2	391 1401 363
	VBOLT 5/8" X 6.75"	290 Bolt 5/8" UNC	0425-163-200	XXX-8212-D3	391 1401 528
	VBOLT 5/8" X 7.00"	290 Bolt 5/8" UNC	0425-158-200	XXX-8212-E0	391 1401 409
	VBOLT 5/8" X 8.00"	290 Bolt 5/8" UNC	0425-164-200	XXX-8212-F0	391 1401 473
	VBOLT 5/8" X 9.00"	290 Bolt 5/8" UNC	0425-165-200	XXX-8212-J0	391 1401 374
	VNUT 5/8"	290-5/8" Nut	0455-176-200	XXX-8230-00	391 1451 076
	VROD 5/8"	290 Tie Rod 5/8" unc	0425-140-200	XXX-8222-00	SPECIAL
	VSTUD 5/8" X 06"-11"	290 Stud 5/8" unc 06"-11"	0484-060-110	XXX-8222-01	SPECIAL
	VSTUD 5/8" X 11"-16"	290 Stud 5/8" unc 11"-16"	0484-110-160	XXX-8222-02	SPECIAL
VSTUD 5/8" X 16"-21"	290 Stud 5/8" unc 16"-21"	0484-160-210	XXX-8222-03	SPECIAL	
VSTUD 5/8" X 21"-26"	290 Stud 5/8" unc 21"-26"	0484-210-260	XXX-8222-04	SPECIAL	
VWASHER 5/8"	290-131/151/230/250 5/8" washer	0450-177-500	XXX-8242-00	391 3784 028	
<b>GENERAL</b>					
<b>W</b>	WM-1391-K check valve	290 Check Valve SEC	0431-001-200	XXX-8820-00	391 3681 001
	WT-131-1391 plug	290 Plug SEC	0431-002-200	XXX-8810-00	391 2286 004
	WX-131-11 plug	290 Plug 1/4" npt	0475-111-200	XXX-8810-00	391 2281 010

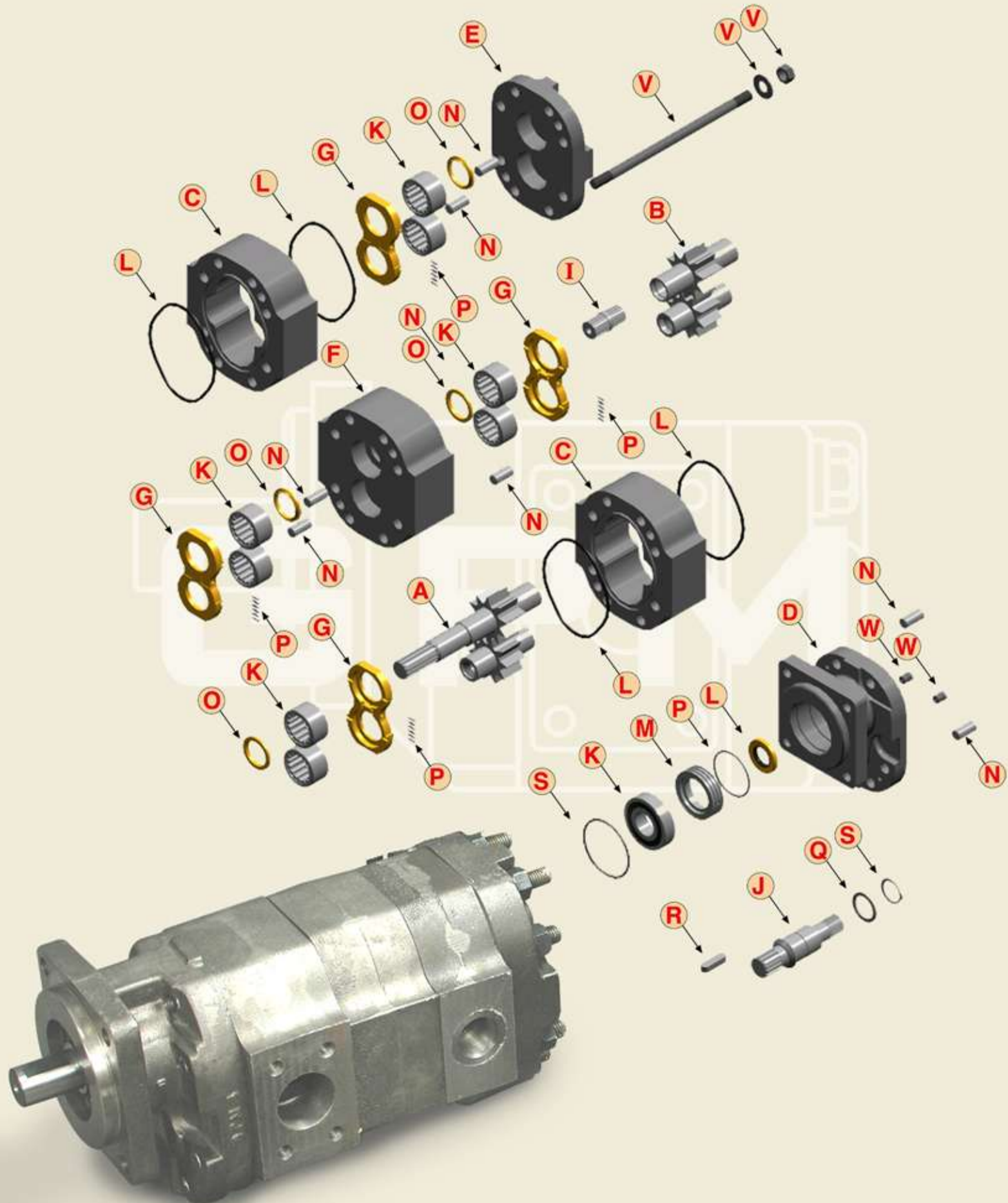
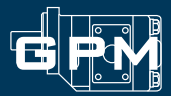


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# SERIES I 76



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# SERIES 176



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
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INTEGRAL GEAR SETS					
<b>A</b>	AAL-176-10 gs	176 1 1/4" Key Gear Set -10	0475-090-100	176-5110-15	316 2910 750
	AAL-176-12 gs	176 1 1/4" Key Gear Set -12	0475-091-100	176-5112-15	316 2912 750
	AAL-176-15 gs	176 1 1/4" Key Gear Set -15	0475-092-100	176-5115-15	316 2915 750
	AAL-176-17 gs	176 1 1/4" Key Gear Set -17	0475-093-100	176-5117-15	316 2917 750
	AAL-176-20 gs	176 1 1/4" Key Gear Set -20	0475-094-100	176-5120-15	316 2920 750
	AAL-176-22 gs	176 1 1/4" Key Gear Set -22	0475-095-100	176-5122-15	316 2922 750
	AAL-176-25 gs	176 1 1/4" Key Gear Set -25	0475-096-100	176-5125-15	316 2925 750
	AAL-176-27 gs	176 1 1/4" Key Gear Set -27	0475-097-100	176-5127-15	316 2927 750
	AAL-176-30 gs	176 1 1/4" Key Gear Set -30	0475-098-100	176-5130-15	316 2930 750
	ANE-176-10 gs	176 1 1/4" 14 Spl Gear Set -10	0475-060-100	176-5110-45	316 2910 250
	ANE-176-12 gs	176 1 1/4" 14 Spl Gear Set -12	0475-061-100	176-5112-45	316 2912 250
	ANE-176-15 gs	176 1 1/4" 14 Spl Gear Set -15	0475-062-100	176-5115-45	316 2915 250
	ANE-176-17 gs	176 1 1/4" 14 Spl Gear Set -17	0475-063-100	176-5117-45	316 2917 250
	ANE-176-20 gs	176 1 1/4" 14 Spl Gear Set -20	0475-064-100	176-5120-45	316 2920 250
	ANE-176-22 gs	176 1 1/4" 14 Spl Gear Set -22	0475-065-100	176-5122-45	316 2922 250
	ANE-176-25 gs	176 1 1/4" 14 Spl Gear Set -25	0475-066-100	176-5125-45	316 2925 250
ANE-176-27 gs	176 1 1/4" 14 Spl Gear Set -27	0475-067-100	176-5127-45	316 2927 250	
ANE-176-30 gs	176 1 1/4" 14 Spl Gear Set -30	0475-068-100	176-5130-45	316 2930 250	

CONTINENTAL GEAR SETS					
<b>B</b>	BPA-176-07 gs	176 Gear Set -07	0475-039-100	176-5307-00	316 2807 000
	BPA-176-10 gs	176 Gear Set -10	0475-040-100	176-5310-00	316 2810 000
	BPA-176-12 gs	176 Gear Set -12	0475-041-100	176-5312-00	316 2812 000
	BPA-176-15 gs	176 Gear Set -15	0475-042-100	176-5315-00	316 2815 000
	BPA-176-17 gs	176 Gear Set -17	0475-043-100	176-5317-00	316 2817 000
	BPA-176-20 gs	176 Gear Set -20	0475-044-100	176-5320-00	316 2820 000
	BPA-176-22 gs	176 Gear Set -22	0475-045-100	176-5322-00	316 2822 000
	BPA-176-25 gs	176 Gear Set -25	0475-046-100	176-5325-00	316 2825 000
	BPA-176-27 gs	176 Gear Set -27	0475-047-100	176-5327-00	316 2827 000
	BPA-176-30 gs	176 Gear Set -30	0475-048-100	176-5330-00	316 2830 000

GEAR HOUSINGS					
<b>C</b>	CSA-176-07 hsg	176 Housing -07	0475-009-501	176-2107-00	316 8207 100
	CSA-176-10 hsg	176 Housing -10	0475-010-501	176-2110-00	316 8210 100
	CSA-176-12 hsg	176 Housing -12	0475-012-501	176-2112-00	316 8212 100
	CSA-176-15 hsg	176 Housing -15	0475-015-501	176-2115-00	316 8215 100
	CSA-176-17 hsg	176 Housing -17	0475-017-501	176-2117-00	316 8217 100
	CSA-176-20 hsg	176 Housing -20	0475-020-501	176-2120-00	316 8220 100
	CSA-176-22 hsg	176 Housing -22	0475-022-501	176-2122-00	316 8222 100
	CSA-176-25 hsg	176 Housing -25	0475-025-501	176-2125-00	316 8225 100
	CSA-176-27 hsg	176 Housing -27	0475-027-501	176-2127-00	316 8227 100
CSA-176-30 hsg	176 Housing -30	0475-030-501	176-2130-00	316 8230 100	

SEC - SHAFT END COVERS					
<b>D</b>	DSB-176 4b4" sec	176 SEC 4 Bolt 4" B	0475-032-501	176-1331-10	316 5037 201
	DTB-176 4b5" sec	176 SEC 4 Bolt 5" C	0475-070-501	176-1341-10	316 5037 202
	DUB-176 4b6" sec	176 SEC 4 Bolt 6" D	0475-033-501	176-1351-10	316 5037 203
	DVB-176 2b5" sec	176 SEC 2 Bolt 5" C	0475-069-501	176-1241-10	316 5027 202

PEC - PORT END COVERS					
<b>E</b>	EPB-176-131 pec	176 PEC PB 176/131	0475-037-501	176-4730-00	316 5027 213
	EYA-176 pec	176 PEC	0475-031-501	176-4100-00	316 3120 100

BEARING CARRIERS					
<b>F</b>	FZA-176 bc	176 Bearing Carrier	0475-034-501	176-3100-00	316 7740 100
	FZA-176-11 bc	176 BC with 1/4" npt drain	0475-036-500	176-3100-10	

THRUST PLATES					
<b>G</b>	GBA-176 dv bi tp	176 Thrust Plate	0475-074-500	176-8110-00	391 2185 040
	GBA-176 dv uni tp	176 Thrust Plate	0475-075-500	176-8150-00	391 2185 072
	GBA-176 tp	176 Thrust Plate	0475-076-500	176-8120-00	391 2185 020



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# SERIES I 76



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>CONNECTING SHAFT</b>					
<b>I</b>	IAB-176 cs	176 Connecting Shaft	0475-071-500	176-7000-00	316 1133 001
	IAH-176/131 cs	176 Connecting Shaft PB176/131	0475-087-500	176-7520-00	316 1133 003
<b>CONTINENTAL SHAFTS</b>					
<b>J</b>	JAL-176 1 1/4"key cds	176 1 1/4" Key Shaft	0475-080-500	176-6100-15	316 1135 147
	JAS-176 14spl cds	176 1 1/4" 14 Spl Shaft	0475-081-500	176-6100-45	316 1135 148
	JAS-176-SHD 13spl cds	176 1 3/4" 13 Spl Shaft	0475-082-500	176-6400-36	316 1000 701
	JUC-176 45mm key cds	176 45mm Key Shaft	0475-086-500	176-6400-17	SPECIAL
<b>BEARINGS</b>					
<b>K</b>	KR-176 roller brg	176 Roller Bearing	0475-108-200	176-8010-00	391 0381 060
	KX-176-59 shaft brg	176/265 Shaft Bearing	0475-104-200	176-8020-00	391 0381 078
<b>SEALS</b>					
<b>L</b>	LUB-176-252 bs	176 Body Seal	0475-107-200	176-8720-00	391 2884 024
	LX-176-1 motor seal	176/265 Shaft Seal Motor I	0475-102-200	176-8713-00	391 2883 094
	LX-176-10 pump seal	176/265 Shaft Seal Pump I	0475-101-200	176-8711-00	391 2883 052
	LX-176V-10 viton seal	176 Viton seal	0475-099-200	176-8711-10	
<b>RETAINERS</b>					
<b>M</b>	MRA-176 s/retainer	176 Seal Retainer	0475-072-500	176-8500-00	391 2584 082
<b>DOWEL PINS</b>					
<b>N</b>	NDOWEL-176	176 Dowel	0475-112-500	176-8600-00	391 2082 033
<b>RING SEALS</b>					
<b>O</b>	OWB-176-1 ring seal	176 Ring Seal	0475-035-200	176-8910-00	391 2585 011
<b>O-RINGS</b>					
<b>P</b>	PBA-176 DV plate seal	176 Thrust Plate Seal	0475-073-200	176-8734-00	391 2885 040
	PBA-176-3 ps	176 Pocket Seal for 2 plates	0475-106-200	176-8743-80	391 2882 084
	PL-176-164 o/ring	176 O-ring Retainer	0475-103-200	176-8745-02	391 2881 457
	PL-PB176/131-159 o/ring	176 O-ring PB 176/131	0475-109-200	176-8745-05	391 2881 253
<b>SPACERS</b>					
<b>Q</b>	QAF-176 s/spacer	176 Shaft Spacer	0475-084-500	176-8420-00	391 3381 039
	QAL-PB176/131 spacer	176 Spacer PB 176/131	0475-109-500	176-8440-00	391 2585 013
	QVB-176 brg spacer	176 Bearing Spacer	0475-077-500	176-8430-00	391 3383 018
<b>KEYS</b>					
<b>R</b>	RX-113 key	290 Key	0451-010-200	XXX-8920-04	391 1781 020
	RX-13 key	290 Key 1/4" x 3/8" x 1 1/4"	0425-130-200	XXX-8920-01	391 1781 021
	RX-16 key	290 Key 1/4" x 1/4" x 1 1/4"	0425-132-200	XXX-8920-05	391 1781 082
	RX-17 key	290 Key 1/4" x 3/8" x 1 "	0430-122-200	XXX-8920-02	391 1781 025
	RX-18 key	290 Key 1/4" x 1/4" x 1"	0430-123-200	XXX-8920-05	391 1781 085
	RX-19 key	290 Key 5/16" x 5/16" x 1 1/2"	0425-133-200	XXX-8920-06	391 1781 083
	RX-20 key	290 Key .19 x 1.25 .28	0415-140-200	XXX-8920-04	391 1781 027
	RX-38 key	290 Key 5/16" x 15/32" x 1 1/2"	0425-129-200	XXX-8920-03	391 1781 045
RX-54 key	290 Key 5/16" x 5/16" x 1 1/4"	0430-124-200	XXX-8920-07	391 1781 007	
<b>SNAP RINGS</b>					
<b>S</b>	SX-176-137 snap ring	176 Snap Ring Shaft	0475-115-200	176-8320-00	391 2685 029
	SX-176-315 snap ring	176 Snap Ring SEC	0475-105-200	176-8310-00	391 2686 025

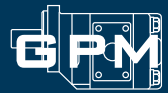


Manufactured in South Africa

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# SERIES I 76



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
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BOLTS, STUDS, NUTS AND WASHERS					
V	VBOLT 5/8" X 3.75"	290 Bolt 5/8" UNC	0425-151-200	XXX-8212-A3	391 1401
	VBOLT 5/8" X 4.00"	290 Bolt 5/8" UNC	0425-152-200	XXX-8212-B0	391 1401 463
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-160-200	XXX-8212-B1	391 1401 346
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-153-200	XXX-8212-B2	391 1401 294
	VBOLT 5/8" X 4.75"	290 Bolt 5/8" UNC	0425-161-200	XXX-8212-B3	391 1401 341
	VBOLT 5/8" X 5.00"	290 Bolt 5/8" UNC	0425-154-200	XXX-8212-B0	391 1401 295
	VBOLT 5/8" X 5.25"	290 Bolt 5/8" UNC	0425-159-200	XXX-8212-C1	391 1401
	VBOLT 5/8" X 5.50"	290 Bolt 5/8" UNC	0425-155-200	XXX-8212-B2	391 1401 362
	VBOLT 5/8" X 5.75"	290 Bolt 5/8" UNC	0425-162-200	XXX-8212-C3	391 1401 334
	VBOLT 5/8" X 6.00"	290 Bolt 5/8" UNC	0425-156-200	XXX-8212-D0	391 1401 405
	VBOLT 5/8" X 6.25"	290 Bolt 5/8" UNC	0425-166-200	XXX-8212-D1	391 1401
	VBOLT 5/8" X 6.50"	290 Bolt 5/8" UNC	0425-157-200	XXX-8212-D2	391 1401 363
	VBOLT 5/8" X 6.75"	290 Bolt 5/8" UNC	0425-163-200	XXX-8212-D3	391 1401 528
	VBOLT 5/8" X 7.00"	290 Bolt 5/8" UNC	0425-158-200	XXX-8212-E0	391 1401 409
	VBOLT 5/8" X 8.00"	290 Bolt 5/8" UNC	0425-164-200	XXX-8212-F0	391 1401 473
	VBOLT 5/8" X 9.00"	290 Bolt 5/8" UNC	0425-165-200	XXX-8212-J0	391 1401 374
	VNUT 5/8"	290-5/8" Nut	0455-176-200	XXX-8230-00	391 1451 076
	VROD 5/8"	290 Tie Rod 5/8" unc	0425-140-200	XXX-8222-00	SPECIAL
	VSTUD 5/8" X 06"-11"	290 Stud 5/8" unc 06"-11"	0484-060-110	XXX-8222-01	SPECIAL
	VSTUD 5/8" X 11"-16"	290 Stud 5/8" unc 11"-16"	0484-110-160	XXX-8222-02	SPECIAL
VSTUD 5/8" X 16"-21"	290 Stud 5/8" unc 16"-21"	0484-160-210	XXX-8222-03	SPECIAL	
VSTUD 5/8" X 21"-26"	290 Stud 5/8" unc 21"-26"	0484-210-260	XXX-8222-04	SPECIAL	
VWASHER 5/8"	290-131/151/230/250 5/8" washer	0450-177-500	XXX-8242-00	391 3784 028	

GENERAL					
W	WM-1391-K check valve	290 Check Valve SEC	0431-001-200	XXX-8820-00	391 3681 001
	WT-131-1391 plug	290 Plug SEC	0431-002-200	XXX-8810-00	391 2286 004
	WX-131-11 plug	290 Plug 1/4" npt	0475-111-200	XXX-8810-00	391 2281 010

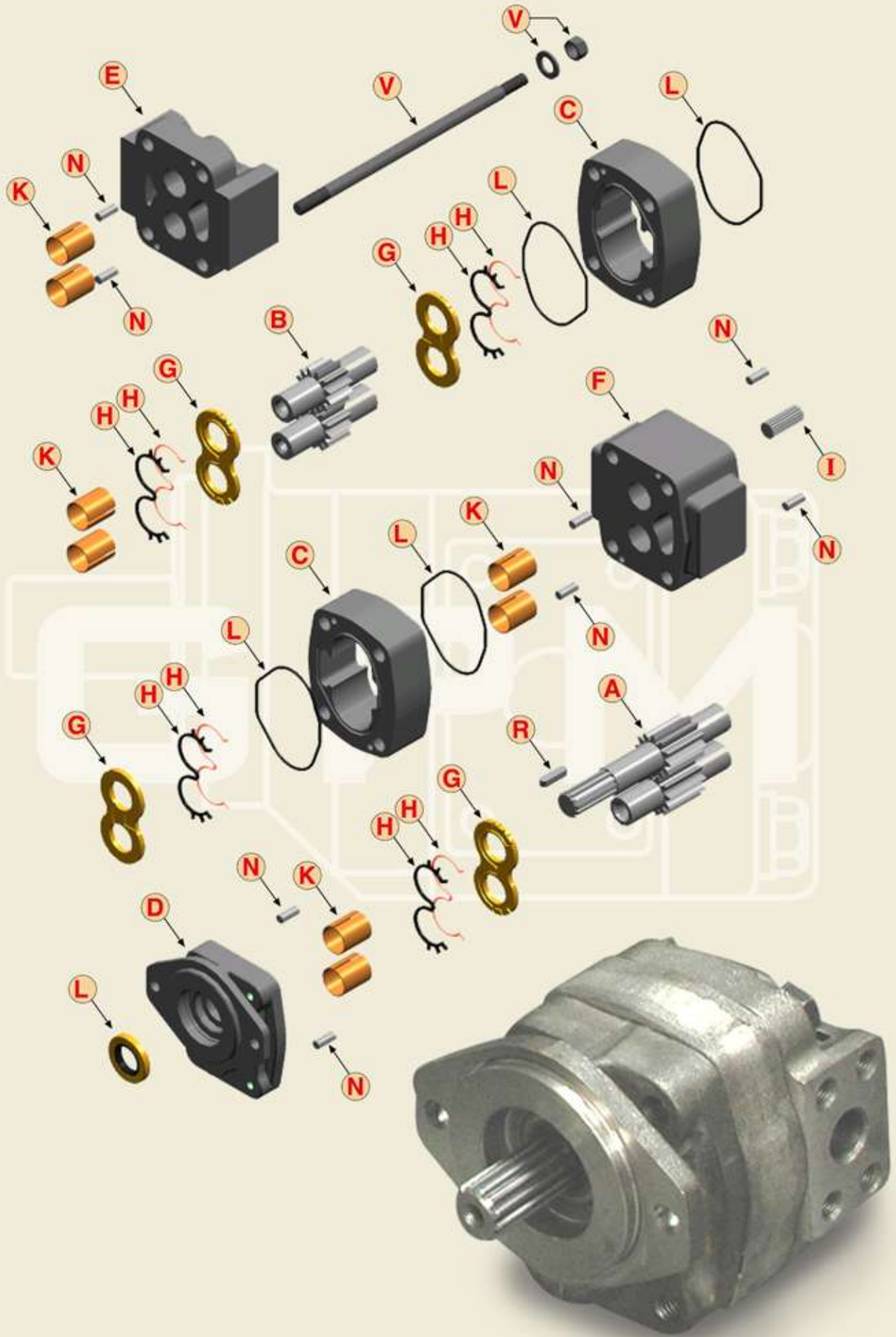
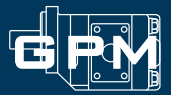


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# SERIES 2 I 5



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# SERIES 215



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>INTEGRAL GEAR SETS</b>					
<b>A</b>	AZK-215-05 gs	215 5/8" 9 Spl Gear Set -05	0315-081-100	215-5205-20	326 2905 420
	AZK-215-07 gs	215 5/8" 9 Spl Gear Set -07	0315-082-100	215-5207-20	326 2907 420
	AZK-215-10 gs	215 5/8" 9 Spl Gear Set -10	0315-083-100	215-5210-20	326 2910 420
	AZK-215-12 gs	215 5/8" 9 Spl Gear Set -12	0315-084-100	215-5212-20	326 2912 420
	AZK-215-15 gs	215 5/8" 9 Spl Gear Set -15	0315-085-100	215-5215-20	326 2915 420
	ABK-215-05 gs	215 7/8" 13 Spl Gear Set -05	0315-061-100	215-5205-32	326 2905 430
	ABK-215-07 gs	215 7/8" 13 Spl Gear Set -07	0315-062-100	215-5207-32	326 2907 430
	ABK-215-10 gs	215 7/8" 13 Spl Gear Set -10	0315-063-100	215-5210-32	326 2910 430
	ABK-215-12 gs	215 7/8" 13 Spl Gear Set -12	0315-064-100	215-5212-32	326 2912 430
	ABK-215-15 gs	215 7/8" 13 Spl Gear Set -15	0315-065-100	215-5215-32	326 2915 430
	ABK-215-17 gs	215 7/8" 13 Spl Gear Set -17	0315-066-100	215-5217-32	326 2917 430
	ABK-215-20 gs	215 7/8" 13 Spl Gear Set -20	0315-067-100	250-5220-32	326 2920 430
	ADK-215-05 gs	215 7/8" Key Gear Set -05	0315-071-100	215-5205-12	326 2905 930
	ADK-215-07 gs	215 7/8" Key Gear Set -07	0315-072-100	215-5207-12	326 2907 930
	ADK-215-10 gs	215 7/8" Key Gear Set -10	0315-073-100	215-5210-12	326 2910 930
	ADK-215-12 gs	215 7/8" Key Gear Set -12	0315-074-100	215-5212-12	326 2912 930
	ADK-215-15 gs	215 7/8" Key Gear Set -15	0315-075-100	215-5215-12	326 2915 930
	ADK-215-17 gs	215 7/8" Key Gear Set -17	0315-076-100	215-5217-12	326 2917 930
	ADK-215-20 gs	215 7/8" Key Gear Set -20	0315-077-100	215-5220-12	326 2920 930
	ATK-215-03 gs	215 7/8" Taper Gear Set -03	0315-120-100	215-5203-92	326 2903 604
	ATK-215-05 gs	215 7/8" Taper Gear Set -05	0315-121-100	215-5205-92	326 2905 604
	ATK-215-06 gs	215 7/8" Taper Gear Set -06	0315-122-100	215-5206-92	326 2906 604
	ATK-215-07 gs	215 7/8" Taper Gear Set -07	0315-123-100	215-5207-92	326 2907 604
	ATK-215-08 gs	215 7/8" Taper Gear Set -08	0315-124-100	215-5208-92	326 2908 604
	ATK-215-10 gs	215 7/8" Taper Gear Set -10	0315-125-100	215-5210-92	326 2910 604
	ATK-215-11 gs	215 7/8" Taper Gear Set -11	0315-126-100	215-5211-92	326 2911 604
	ATK-215-12 gs	215 7/8" Taper Gear Set -12	0315-127-100	215-5212-92	326 2912 604
	ATK-215-13 gs	215 7/8" Taper Gear Set -13	0315-128-100	215-5213-92	326 2913 604
	ATK-215-15 gs	215 7/8" Taper Gear Set -15	0315-129-100	215-5215-92	326 2915 604
	ATK-215-16 gs	215 7/8" Taper Gear Set -16	0315-130-100	215-5216-92	326 2916 604
ATK-215-17 gs	215 7/8" Taper Gear Set -17	0315-131-100	215-5217-92	326 2917 604	
ATK-215-18 gs	215 7/8" Taper Gear Set -18	0315-132-100	215-5218-92	326 2918 604	
ATK-215-20 gs	215 7/8" Taper Gear Set -20	0315-133-100	215-5220-92	326 2920 604	

<b>CONTINENTAL GEAR SETS</b>					
<b>B</b>	BVK-215-05 gs	215 Gear Set -05	0315-051-100	215-5305-00	326 2805 000
	BVK-215-07 gs	215 Gear Set -07	0315-052-100	215-5307-00	326 2807 000
	BVK-215-10 gs	215 Gear Set -10	0315-053-100	215-5310-00	326 2810 000
	BVK-215-12 gs	215 Gear Set -12	0315-054-100	215-5312-00	326 2812 000
	BVK-215-15 gs	215 Gear Set -15	0315-055-100	215-5315-00	326 2815 000
	BVK-215-17 gs	215 Gear Set -17	0315-056-100	215-5317-00	326 2817 000
	BVK-215-20 gs	215 Gear Set -20	0315-057-100	215-5320-00	326 2820 000

<b>GEAR HOUSINGS</b>					
<b>C</b>	CRK-215-03 hsg	215 Housing -03	0415-003-500	215-2103-00	326 8103 100
	CRK-215-05 hsg	215 Housing -05	0415-005-500	215-2105-00	326 8105 100
	CRK-215-06 hsg	215 Housing -06	0415-006-500	215-2106-00	326 8106 100
	CRK-215-07 hsg	215 Housing -07	0415-007-500	215-2107-00	326 8107 100
	CRK-215-08 hsg	215 Housing -08	0415-008-500	215-2108-00	326 8108 100
	CRK-215-10 hsg	215 Housing -10	0415-010-500	215-2110-00	326 8110 100
	CRK-215-11 hsg	215 Housing -11	0415-011-500	215-2111-00	326 8111 100
	CRK-215-12 hsg	215 Housing -12	0415-012-500	215-2112-00	326 8112 100
	CRK-215-13 hsg	215 Housing -13	0415-013-500	215-2113-00	326 8113 100
	CRK-215-15 hsg	215 Housing -15	0415-015-500	215-2115-00	326 8115 100
	CRK-215-16 hsg	215 Housing -16	0415-016-500	215-2116-00	326 8116 100
	CRK-215-17 hsg	215 Housing -17	0415-017-500	215-2117-00	326 8117 100
	CRK-215-18 hsg	215 Housing -18	0415-018-500	215-2118-00	326 8118 100
	CRK-215-20 hsg	215 Housing -20	0415-020-500	215-2120-00	326 8120 100
	CLK-215-03 motor hsg	215 M Housing -03	0415-060-500	215-2203-00	326 8203 100
	CLK-215-05 motor hsg	215 M Housing -05	0415-061-500	215-2205-00	326 8205 100
	CLK-215-06 motor hsg	215 M Housing -06	0415-062-500	215-2206-00	326 8206 100
	CLK-215-07 motor hsg	215 M Housing -07	0415-063-500	215-2207-00	326 8207 100
	CLK-215-08 motor hsg	215 M Housing -08	0415-064-500	215-2208-00	326 8208 100
	CLK-215-10 motor hsg	215 M Housing -10	0415-065-500	215-2210-00	326 8210 100
	CLK-215-11 motor hsg	215 M Housing -11	0415-066-500	215-2211-00	326 8211 100
	CLK-215-12 motor hsg	215 M Housing -12	0415-067-500	215-2212-00	326 8212 100
	CLK-215-13 motor hsg	215 M Housing -13	0415-068-500	215-2213-00	326 8213 100



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# SERIES 215



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>SEC - SHAFT END COVERS</b>					
<b>C</b>	CLK-215-15 motor hsg	215 M Housing -15	0415-069-500	215-2215-00	326 8215 100
	CLK-215-16 motor hsg	215 M Housing -16	0415-070-500	215-2216-00	326 8216 100
	CLK-215-17 motor hsg	215 M Housing -17	0415-071-500	215-2217-00	326 8217 100
	CLK-215-18 motor hsg	215 M Housing -18	0415-072-500	215-2218-00	326 8218 100
	CLK-215-20 motor hsg	215 M Housing -20	0415-073-500	215-2220-00	326 8220 100
<b>SEC - SHAFT END COVERS</b>					
<b>D</b>	DWK-215 2b3 1/4" sec	215 SEC 2 Bolt 3 <sup>rd</sup> A	0415-043-500	215-1221-20	326 5129 204
	DWK-215 2b3 1/4" mot sec	215 SEC 2 Bolt 3 <sup>rd</sup> A motor	0415-047-500	215-1222-10	326 5129 404
	DGK-215 2b4" sec	215 SEC 2 Bolt 4" B	0415-042-500	215-1231-20	326 5129 203
	DGK-215 2b4" motor sec	215 SEC 2 Bolt 4" B motor	0415-046-500	215-1232-10	326 5129 403
	DFK-215 fan motor sec	215 SEC Fan motor	0415-049-500	215-1101-10	SPECIAL
<b>PEC - PORT END COVERS</b>					
<b>E</b>	EUK-215-4 port pec	215 PEC 4 PORT Ported	0415-034-500	215-4200-00	326 3130 095
	EPK-215 fan motor pec	215 PEC Fan motor	0415-048-100	215-4400-00	
	EUK-215-M motor pec	215 PEC Motor	0415-025-500	215-4400-00	326 3120 100
	EUK-215 ported pec	215 PEC Ported	0415-035-500	215-4100-00	326 3130 100
	EXK-215 tandem pec	215 PEC Tandem	0415-031-500	215-4300-00	326 3100 100
<b>BEARING CARRIERS</b>					
<b>F</b>	FYK-215-1 bc	215 Bearing Carrier 1 in 1 out	0415-080-500	215-3100-00	326 7600 100
	FYK-215-2 bc	215 Bearing Carrier 1 in 2 out	0415-030-500	215-3200-00	326 7800 100
<b>THRUST PLATES</b>					
<b>G</b>	GM-215 motor tp	215 Thrust Plate Motor	0415-037-500	215-8130-00	391 2185 070
	GCI-215 pump tp	215 Thrust Plate Pump	0415-036-500	215-8140-00	391 2185 063
<b>THRUST PLATE SEALS</b>					
<b>H</b>	HM-215-MSBU tps	215 Thrust Plate M B/Up	0415-014-200	215-8732-70	391 2881 995
	HM-215-MES tps	215 Thrust Plate M Seal E	0415-013-200	215-8732-60	391 2881 996
	HM-215-MSS tps	215 Thrust Plate M Seal S	0415-012-200	215-8732-40	391 2881 997
	HCI-215-CS tps	215 Thrust Plate Seal	0415-010-200	215-8731-20	391 2883 168
	HCI-215-CSBU tps	215 Thrust Plate Seal B/Up	0415-011-200	215-8731-30	391 2883 169
<b>CONNECTING SHAFT</b>					
<b>I</b>	IZK-215 cs	215 Connecting Shaft	0415-038-500	215-7000-00	326 1133 001
<b>CONTINENTAL SHAFTS</b>					
<b>J</b>	JGD-215 1" key cds	215 1" Key Shaft	0415-050-500	215-6100-13	
<b>BEARINGS / BUSHES</b>					
<b>K</b>	KX-215-215 shaft brg	215 Bearing	0415-107-200	215-8020-00	391 0381 105
	KBUSH-215	215 Bush	0415-001-200	215-8000-00	391 0482 206
<b>SEALS</b>					
<b>L</b>	LUB-215-239M bs	215 Body Seal motor	0415-109-200	215-8720-00	391 2881 429
	LUB-215-239 bs	215 Body Seal pump	0415-108-200	215-8720-00	391 2881 968
	LX-215-M motor seal	215 Shaft Seal Motor	0415-106-200	215-8713-00	391 2883 156
	LX-215 pump seal	215 Shaft Seal Pump	0415-105-200	215-8711-00	391 2883 151
<b>DOWEL PINS</b>					
<b>N</b>	NDOWEL-215	215 Dowel	0415-120-500	215-8600-00	391 2082 071
<b>SPACERS</b>					
<b>Q</b>	QAE-215 ms/spacer	215 Seal spacer motor	0415-090-500	215-8410-10	391 3384 913



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# SERIES 215



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
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KEYS					
R	RX-113 key	290 Key	0451-010-200	XXX-8920-04	391 1781 020
	RX-20 key	290 Key .19 x 1.25 .28	0415-140-200	XXX-8920-04	391 1781 027
	RX-16 key	290 Key 1/4" x 1/4" x 1 1/4"	0425-132-200	XXX-8920-05	391 1781 082
	RX-18 key	290 Key 1/4" x 1/4" x 1"	0430-123-200	XXX-8920-05	391 1781 085
	RX-17 key	290 Key 1/4" x 3/8" x 1 "	0430-122-200	XXX-8920-02	391 1781 025
	RX-13 key	290 Key 1/4" x 3/8" x 1 1/4"	0425-130-200	XXX-8920-01	391 1781 021
	RX-38 key	290 Key 5/16" x 15/32" x 1 1/2"	0425-129-200	XXX-8920-03	391 1781 045
	RX-19 key	290 Key 5/16" x 5/16" x 1 1/2"	0425-133-200	XXX-8920-06	391 1781 083
	RX-54 key	290 Key 5/16" x 5/16" x 1 1/4"	0430-124-200	XXX-8920-07	391 1781 007

SNAP RINGS					
S	SX-215 snap ring	215 Circlip motor	0415-111-200	215-8310-00	391 2686 016

BOLTS, STUDS, NUTS & WASHERS					
V	VWASHER 1/2"	121 1/2" washer	0415-177-500	215-8241-00	391 3782 132
	VNUT 1/2"	215 1/2" Nut	0415-176-200	215-8231-00	391 1451 051
	VBOLT 1/2" X 2.75"	215 Bolt 1/2" UNC	0415-129-200	215-8211-I3	391 1401 349
	VBOLT 1/2" X 3.00"	215 Bolt 1/2" UNC	0415-141-200	215-8211-A0	391 1401 342
	VBOLT 1/2" X 3.25"	215 Bolt 1/2" UNC	0415-142-200	215-8211-A1	391 1401 154
	VBOLT 1/2" X 3.50"	215 Bolt 1/2" UNC	0415-143-200	215-8211-A2	391 1401 348
	VBOLT 1/2" X 3.75"	215 Bolt 1/2" UNC	0415-144-200	215-8211-A3	391 1401 347
	VBOLT 1/2" X 4.00"	215 Bolt 1/2" UNC	0415-145-200	215-8211-B0	391 1407 003
	VBOLT 1/2" X 4.25"	215 Bolt 1/2" UNC	0415-146-200	215-8211-B1	391 1407 004
	VBOLT 1/2" X 4.50"	215 Bolt 1/2" UNC	0415-147-200	215-8211-B2	391 1407 005
	VBOLT 1/2" X 4.75"	215 Bolt 1/2" UNC	0415-148-200	215-8211-B3	391 1407 006
	VBOLT 1/2" X 5.00"	215 Bolt 1/2" UNC	0415-149-200	215-8211-C0	391 1407 007
	VBOLT 1/2" X 5.50"	215 Bolt 1/2" UNC	0415-150-200	215-8211-C2	391 1407 009
	VBOLT 1/2" X 5.75"	215 Bolt 1/2" UNC	0415-151-200	215-8211-C3	391 1407 010
	VBOLT 1/2" X 6.00"	215 Bolt 1/2" UNC	0415-152-200	215-8211-D0	391 1407 011
	VBOLT 1/2" X 6.25"	215 Bolt 1/2" UNC	0415-153-200	215-8211-D1	391 1407 012
	VBOLT 1/2" X 6.50"	215 Bolt 1/2" UNC	0415-154-200	215-8211-D2	391 1401 013
	VBOLT 1/2" X 6.75"	215 Bolt 1/2" UNC	0415-155-200	215-8211-D3	391 1401 014
	VBOLT 1/2" X 7.00"	215 Bolt 1/2" UNC	0415-156-200	215-8211-E0	391 1401 015
	VBOLT 1/2" X 7.50"	215 Bolt 1/2" UNC	0415-157-200	215-8211-E2	391 1407 016
VSTUD 1/2" X 06"-11"	215 Stud 1/2" 06"-11"	0482-060-110	215-8221-01	SPECIAL	
VSTUD 1/2" X 11"-16"	215 Stud 1/2" 11"-16"	0482-110-160	215-8221-02	SPECIAL	
VSTUD 1/2" X 16"-21"	215 Stud 1/2" 16"-21"	0482-160-210	215-8221-03	SPECIAL	
VSTUD 1/2" X 21"-26"	215 Stud 1/2" 21"-26"	0482-210-260	215-8221-04	SPECIAL	

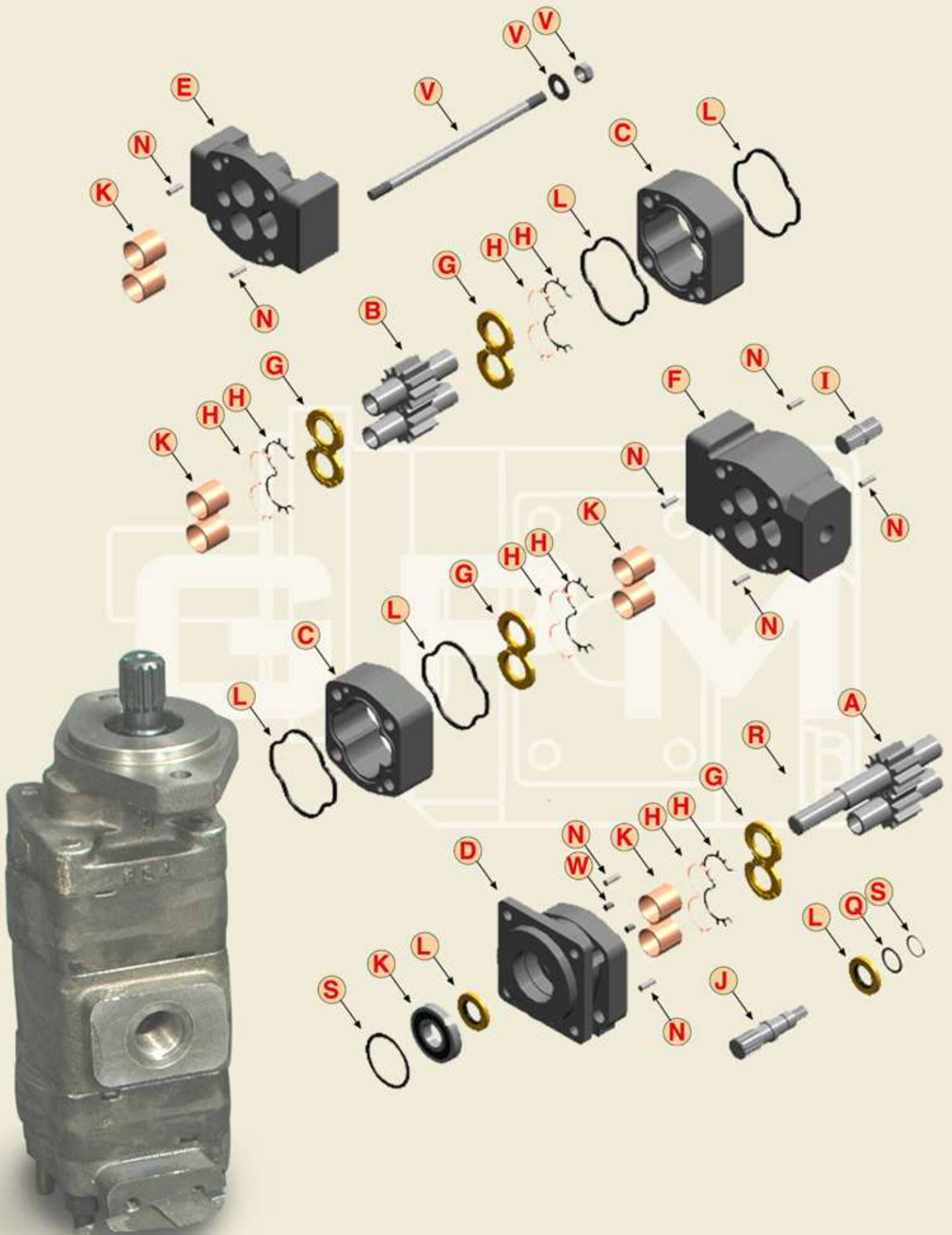
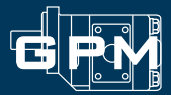
GENERAL					
W	WM-1391-K check valve	290 Check Valve SEC	0431-001-200	XXX-8820-00	391 3681 001
	WX-131-11 plug	290 Plug 1/4" npt	0475-111-200	XXX-8810-00	391 2281 010
	WT-131-1391 plug	290 Plug SEC	0431-002-200	XXX-8810-00	391 2286 004



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# SERIES 230



Manufactured in South Africa

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# SERIES 230



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
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INTEGRAL GEAR SETS					
A	AHC-230-07 gs	230 1 1/8" Key Gear Set -07	0333-082-100	230-5107-14	SPECIAL
	AHC-230-10 gs	230 1 1/8" Key Gear Set -10	0333-083-100	230-5110-14	SPECIAL
	AHC-230-12 gs	230 1 1/8" Key Gear Set -12	0333-084-100	230-5112-14	SPECIAL
	AHC-230-15 gs	230 1 1/8" Key Gear Set -15	0333-085-100	230-5115-14	SPECIAL
	AHC-230-17 gs	230 1 1/8" Key Gear Set -17	0333-086-100	230-5117-14	SPECIAL
	AHC-230-20 gs	230 1 1/8" Key Gear Set -20	0333-087-100	230-5120-14	SPECIAL
	AAC-230-07 gs	230 1" 15 Spl Gear Set -07	0333-062-100	230-5107-53	324 2907 240
	AAC-230-10 gs	230 1" 15 Spl Gear Set -10	0333-063-100	230-5110-53	324 2910 240
	AAC-230-12 gs	230 1" 15 Spl Gear Set -12	0333-064-100	230-5112-53	324 2912 240
	AAC-230-15 gs	230 1" 15 Spl Gear Set -15	0333-065-100	230-5115-53	324 2915 240
	AAC-230-17 gs	230 1" 15 Spl Gear Set -17	0333-066-100	230-5117-53	324 2917 240
	AAC-230-20 gs	230 1" 15 Spl Gear Set -20	0333-067-100	230-5120-53	324 2920 240
	AEC-230-05 gs	230 1" Key Gear Set -05	0333-071-100	230-5105-13	324 2905 740
	AEC-230-07 gs	230 1" Key Gear Set -07	0333-072-100	230-5107-13	324 2907 740
	AEC-230-10 gs	230 1" Key Gear Set -10	0333-073-100	230-5110-13	324 2910 740
	AEC-230-12 gs	230 1" Key Gear Set -12	0333-074-100	230-5112-13	324 2912 740
	AEC-230-15 gs	230 1" Key Gear Set -15	0333-075-100	230-5115-13	324 2915 740
	AEC-230-17 gs	230 1" Key Gear Set -17	0333-076-100	230-5117-13	324 2917 740
	AEC-230-20 gs	230 1" Key Gear Set -20	0333-077-100	230-5120-13	324 2920 740
	ATH-230-17 taper gs	230 15/16 keyed 7/8unf thread	0333-090-100	230-5117-1?	
	ABC-230-05 gs	230 7/8" 13 Spl Gear Set -05	0333-021-100	230-5105-32	324 2905 230
	ABC-230-4-05 gs	230 7/8" 13 Spl Gear Set -05 short	0333-049-100	230-5205-32	324 2905 330
	ABC-230-07 gs	230 7/8" 13 Spl Gear Set -07	0333-022-100	230-5107-32	324 2907 230
	ABC-230-4-07 gs	230 7/8" 13 Spl Gear Set -07 short	0333-050-100	230-5207-32	324 2907 330
	ABC-230-10 gs	230 7/8" 13 Spl Gear Set -10	0333-023-100	230-5110-32	324 2910 230
	ABC-230-4-10 gs	230 7/8" 13 Spl Gear Set -10 short	0333-051-100	230-5210-32	324 2910 330
	ABC-230-12 gs	230 7/8" 13 Spl Gear Set -12	0333-024-100	230-5112-32	324 2912 230
	ABC-230-4-12 gs	230 7/8" 13 Spl Gear Set -12 short	0333-052-100	230-5212-32	324 2912 330
	ABC-230-15 gs	230 7/8" 13 Spl Gear Set -15	0333-025-100	230-5115-32	324 2915 230
	ABC-230-4-15 gs	230 7/8" 13 Spl Gear Set -15 short	0333-053-100	230-5215-32	324 2915 330
	ABC-230-17 gs	230 7/8" 13 Spl Gear Set -17	0333-026-100	230-5117-32	324 2917 230
	ABC-230-4-17 gs	230 7/8" 13 Spl Gear Set -17 short	0333-054-100	230-5217-32	324 2917 330
	ABC-230-20 gs	230 7/8" 13 Spl Gear Set -20	0333-027-100	230-5120-32	324 2920 230
	ABC-230-4-20 gs	230 7/8" 13 Spl Gear Set -20 short	0333-055-100	230-5220-32	324 2920 330
	ADC-230-05 gs	230 7/8" Key Gear Set -05	0333-031-100	230-5105-12	324 2905 630
	ADC-230-07 gs	230 7/8" Key Gear Set -07	0333-032-100	230-5107-12	324 2907 630
	ADC-230-10 gs	230 7/8" Key Gear Set -10	0333-033-100	230-5110-12	324 2910 630
	ADC-230-12 gs	230 7/8" Key Gear Set -12	0333-034-100	230-5112-12	324 2912 630
	ADC-230-15 gs	230 7/8" Key Gear Set -15	0333-035-100	230-5115-12	324 2915 630
	ADC-230-17 gs	230 7/8" Key Gear Set -17	0333-036-100	230-5117-12	324 2917 630
ADC-230-20 gs	230 7/8" Key Gear Set -20	0333-037-100	230-5120-12	324 2920 630	

CONTINENTAL GEAR SETS					
B	BVC-230-05 gs	230 Gear Set -05	0333-011-100	230-5305-00	324 2805 000
	BVC-230-07 gs	230 Gear Set -07	0333-012-100	230-5307-00	324 2807 000
	BVC-230-10 gs	230 Gear Set -10	0333-013-100	230-5310-00	324 2810 000
	BVC-230-12 gs	230 Gear Set -12	0333-014-100	230-5312-00	324 2812 000
	BVC-230-15 gs	230 Gear Set -15	0333-015-100	230-5315-00	324 2815 000
	BVC-230-17 gs	230 Gear Set -17	0333-016-100	230-5317-00	324 2817 000
	BVC-230-20 gs	230 Gear Set -20	0333-017-100	230-5320-00	324 2820 000

GEAR HOUSINGS					
C	CRC-230-05 hsg	230 Housing -05	0433-005-500	230-2105-00	324 8105 100
	CRC-230-07 hsg	230 Housing -07	0433-007-500	230-2107-00	324 8107 100
	CRC-230-10 hsg	230 Housing -10	0433-010-500	230-2110-00	324 8110 100
	CRC-230-12 hsg	230 Housing -12	0433-012-500	230-2112-00	324 8112 100
	CRC-230-15 hsg	230 Housing -15	0433-015-500	230-2115-00	324 8115 100
	CRC-230-17 hsg	230 Housing -17	0433-017-500	230-2117-00	324 8117 100
	CRC-230-20 hsg	230 Housing -20	0433-020-500	230-2120-00	324 8120 100
	CSC-230-05 motor hsg	230 M Housing -05	0433-070-500	230-2205-00	324 8205 100
	CSC-230-07 motor hsg	230 M Housing -07	0433-071-500	230-2207-00	324 8207 100
	CSC-230-10 motor hsg	230 M Housing -10	0433-072-500	230-2210-00	324 8210 100
	CSC-230-12 motor hsg	230 M Housing -12	0433-073-500	230-2212-00	324 8212 100
	CSC-230-15 motor hsg	230 M Housing -15	0433-074-500	230-2215-00	324 8215 100
	CSC-230-17 motor hsg	230 M Housing -17	0433-075-500	230-2217-00	324 8217 100
	CSC-230-20 motor hsg	230 M Housing -20	0433-076-500	230-2220-00	324 8220 100



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# SERIES 230



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>SEC - SHAFT END COVERS</b>					
<b>D</b>	DGC-230 2b4" sec	230 SEC 2 Bolt 4" B	0433-042-500	230-1231-10	324 5123 201
	DGC-230 2b4" sh sec	230 SEC 2 Bolt 4" B Short	0433-046-500	230-1231-20	324 5129 203
	DNC-230 2b5" sec	230 SEC 2 Bolt 5" C	0433-055-500	230-1241-10	SPECIAL
	DEC-230 4b4" sec	230 SEC 4 Bolt 4" B	0433-040-500	230-1331-10	324 5133 201
	DPC-230 4b5" sec	230 SEC 4 Bolt 5" C	0433-041-500	230-1341-10	324 5133 202
<b>PEC - PORT END COVERS</b>					
<b>E</b>	EUC-230-M motor pec	230 PEC Motor	0433-079-500	230-4400-00	324 3120 100
	EUC-230 ported pec	230 PEC Ported	0433-033-500	230-4200-00	324 3110 100
	EXC-230 tandem pec	230 PEC Tandem	0433-031-500	230-4300-00	324 3100 100
<b>BEARING CARRIERS</b>					
<b>F</b>	FWC-230-1 bc	230 Bearing Carrier 1-1	0433-080-500	230-3100-00	324 7600 100
	FWC-230-2 bc	230 Bearing Carrier 1-2	0433-030-500	230-3200-00	324 7800 100
	FWC-230-M motor bc	230 Bearing Carrier Motor	0433-082-500	230-3400-00	324 7800 100
<b>THRUST PLATES</b>					
<b>G</b>	GM-230 motor tp	230 Thrust Plate Motor	0433-037-500	230-8130-00	391 2185 065
	GCI-230 pump tp	230 Thrust Plate Pump	0433-036-500	230-8140-00	391 2185 056
<b>THRUST PLATE SEALS</b>					
<b>H</b>	HCI-230-CSBU tps	230 Thrust Plate B/Up	0433-011-200	230-8731-30	391 2883 167
	HM-230-MSBU tps	230 Thrust Plate M B/Up	0433-014-200	230-8732-70	391 2881 929
	HM-230-MES tps	230 Thrust Plate M Seal E	0433-013-200	230-8732-60	391 2881 930
	HM-230-MSS tps	230 Thrust Plate M Seal S	0433-012-200	230-8732-40	391 2881 931
	HCI-230-CS tps	230 Thrust Plate Seal	0433-010-200	230-8731-20	391 2883 166
<b>CONNECTING SHAFT</b>					
<b>I</b>	IZC-230 cs	230 Connecting Shaft	0433-038-500	230-7000-00	324 1133 001
<b>CONTINENTAL SHAFTS</b>					
<b>J</b>	JCH-230 14spl cds	230 1 1/4" 14 Spl Shaft	0433-060-500	230-6100-45	324 1000 500
	JCW-230 1 1/4" cds	230 1 1/4" Key Shaft	0433-067-500	230-6100-15	324 1500 501
	JCD-230 1"key cds	230 1" Key Shaft	0433-057-500	230-6100-13	324 1500 400
	JCK-230 7/8"key cds	230 7/8" Key Shaft	0433-059-500	230-6100-12	324 1500 300
<b>BEARINGS / BUSHES</b>					
<b>K</b>	KX-131-40 shaft brg	131/230 Shaft Bearing	0430-105-200	131-8020-00	391 0381 040
	KBUSH-230	230 Bush	0433-001-200	230-8000-00	391 0482 306
<b>SEALS</b>					
<b>L</b>	LX-131-11 motor seal	131 Shaft Seal Motor C	0430-121-200	131-8713-00	391 2883 126
	LX-131-9 motor seal	131 Shaft Seal Motor I	0430-101-200	131-8714-00	391 2883 119
	LX-131-18 pump seal	131 Shaft Seal Pump C	0475-110-200	131-8712-00	391 2883 107
	LX-131-16 pump seal	131 Shaft Seal Pump I	0430-102-200	131-8711-00	391 2883 058
	LX-131V-16 viton seal	131 Viton seal	0430-098-200	131-8711-10	
	LX-131V-18 viton seal	131 Viton seal	0430-099-200	131-8712-10	
	LUB-131-242 bs	131/230 Body Seal	0430-108-200	131-8720-00	391 2884 050
<b>RETAINERS</b>					
<b>M</b>	MNA-230-1 s/retainer tt	230 Seal Retainer Telltale	0433-081-500	230-8500-00	391 2584 037
<b>DOWEL PINS</b>					
<b>N</b>	NDOWEL-131	290 Dowel 131/151/230/250	0425-120-500	XXX-8600-00	391 2082 032
<b>SPACERS</b>					
<b>Q</b>	QVB-131-2 brg spacer	131 Bearing Spacer	0430-042-500	131-8430-02	391 3383 069
	QAE-131 s/spacer	131 Seal Spacer	0430-041-500	131-8410-00	391 3381 040
	QTB-131 shaft spacer	131 Shaft Spacer	0430-066-500	131-8420-00	312 0100 002

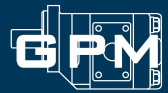


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# SERIES 230



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
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KEYS					
R	RX-113 key	290 Key	0451-010-200	XXX-8920-04	391 1781 020
	RX-20 key	290 Key .19 x 1.25 .28	0415-140-200	XXX-8920-04	391 1781 027
	RX-16 key	290 Key 1/4" x 1/4" x 1 1/4"	0425-132-200	XXX-8920-05	391 1781 082
	RX-18 key	290 Key 1/4" x 1/4" x 1"	0430-123-200	XXX-8920-05	391 1781 085
	RX-17 key	290 Key 1/4" x 3/8" x 1"	0430-122-200	XXX-8920-02	391 1781 025
	RX-13 key	290 Key 1/4" x 3/8" x 1 1/4"	0425-130-200	XXX-8920-01	391 1781 021
	RX-38 key	290 Key 5/16" x 15/32" x 1 1/2"	0425-129-200	XXX-8920-03	391 1781 045
	RX-19 key	290 Key 5/16" x 5/16" x 1 1/2"	0425-133-200	XXX-8920-06	391 1781 083
	RX-54 key	290 Key 5/16" x 5/16" x 1 1/4"	0430-124-200	XXX-8920-07	391 1781 007

SNAP RINGS					
S	SX-131-206 snap ring	131/230 Snap Ring SEC	0425-110-200	XXX-8310-00	391 2686 063
	SX-131-100 snap ring	131/230 Snap Ring Shaft	0425-109-200	XXX-8320-00	391 2685 011

BOLTS, STUDS, NUTS AND WASHERS					
V	VBOLT 5/8" X 3.75"	290 Bolt 5/8" UNC	0425-151-200	XXX-8212-A3	391 1401
	VBOLT 5/8" X 4.00"	290 Bolt 5/8" UNC	0425-152-200	XXX-8212-B0	391 1401 463
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-160-200	XXX-8212-B1	391 1401 346
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-153-200	XXX-8212-B2	391 1401 294
	VBOLT 5/8" X 4.75"	290 Bolt 5/8" UNC	0425-161-200	XXX-8212-B3	391 1401 341
	VBOLT 5/8" X 5.00"	290 Bolt 5/8" UNC	0425-154-200	XXX-8212-B0	391 1401 295
	VBOLT 5/8" X 5.25"	290 Bolt 5/8" UNC	0425-159-200	XXX-8212-C1	391 1401
	VBOLT 5/8" X 5.50"	290 Bolt 5/8" UNC	0425-155-200	XXX-8212-B2	391 1401 362
	VBOLT 5/8" X 5.75"	290 Bolt 5/8" UNC	0425-162-200	XXX-8212-C3	391 1401 334
	VBOLT 5/8" X 6.00"	290 Bolt 5/8" UNC	0425-156-200	XXX-8212-D0	391 1401 405
	VBOLT 5/8" X 6.25"	290 Bolt 5/8" UNC	0425-166-200	XXX-8212-D1	391 1401
	VBOLT 5/8" X 6.50"	290 Bolt 5/8" UNC	0425-157-200	XXX-8212-D2	391 1401 363
	VBOLT 5/8" X 6.75"	290 Bolt 5/8" UNC	0425-163-200	XXX-8212-D3	391 1401 528
	VBOLT 5/8" X 7.00"	290 Bolt 5/8" UNC	0425-158-200	XXX-8212-E0	391 1401 409
	VBOLT 5/8" X 8.00"	290 Bolt 5/8" UNC	0425-164-200	XXX-8212-F0	391 1401 473
	VBOLT 5/8" X 9.00"	290 Bolt 5/8" UNC	0425-165-200	XXX-8212-J0	391 1401 374
	VSTUD 5/8" X 06"-11"	290 Stud 5/8" unc 06"-11"	0484-060-110	XXX-8222-01	SPECIAL
	VSTUD 5/8" X 11"-16"	290 Stud 5/8" unc 11"-16"	0484-110-160	XXX-8222-02	SPECIAL
	VSTUD 5/8" X 16"-21"	290 Stud 5/8" unc 16"-21"	0484-160-210	XXX-8222-03	SPECIAL
	VSTUD 5/8" X 21"-26"	290 Stud 5/8" unc 21"-26"	0484-210-260	XXX-8222-04	SPECIAL
VROD 5/8"	290 Tie Rod 5/8" unc	0425-140-200	XXX-8222-00	SPECIAL	
VWASHER 5/8"	290-131/151/230/250 5/8" washer	0450-177-500	XXX-8242-00	391 3784 028	
VNUT 5/8"	290-5/8" Nut	0455-176-200	XXX-8230-00	391 1451 076	

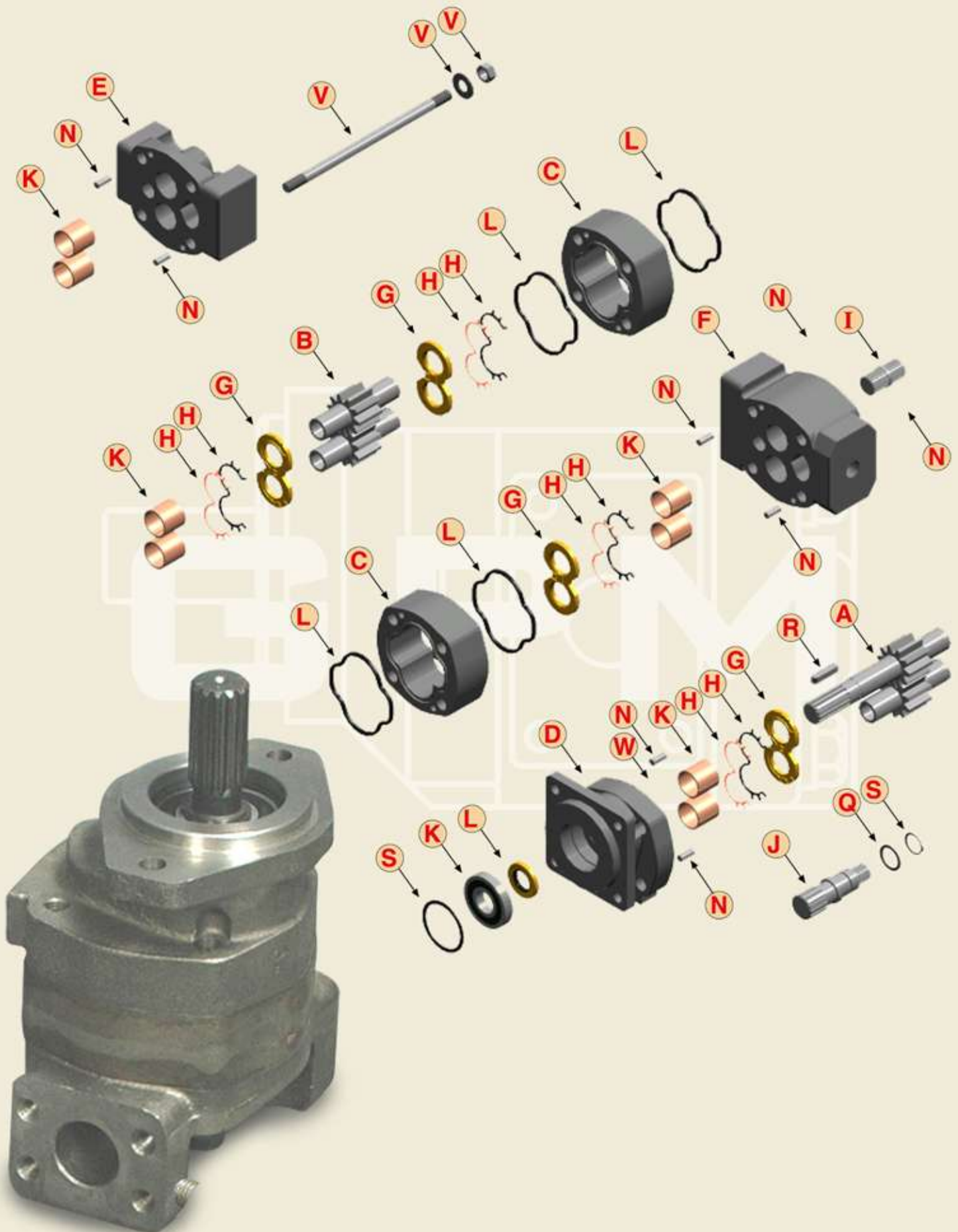
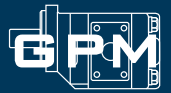
GENERAL					
W	WM-1391-K check valve	290 Check Valve SEC	0431-001-200	XXX-8820-00	391 3681 001
	WT-131-1391 plug	290 Plug SEC	0431-002-200	XXX-8810-00	391 2286 004



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# SERIES 250

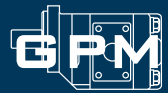


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# SERIES 250



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>INTEGRAL GEAR SETS</b>					
<b>A</b>	APF-250-07 gs	250 1 1/4" 14 Spl Gear Set -07	0335-022-100	250-5107-45	323 2907 250
	APF-250-10 gs	250 1 1/4" 14 Spl Gear Set -10	0335-023-100	250-5110-45	323 2910 250
	APF-250-12 gs	250 1 1/4" 14 Spl Gear Set -12	0335-024-100	250-5112-45	323 2912 250
	APF-250-15 gs	250 1 1/4" 14 Spl Gear Set -15	0335-025-100	250-5115-45	323 2915 250
	APF-250-17 gs	250 1 1/4" 14 Spl Gear Set -17	0335-026-100	250-5117-45	323 2917 250
	APF-250-20 gs	250 1 1/4" 14 Spl Gear Set -20	0335-027-100	250-5120-45	323 2920 250
	APF-250-22 gs	250 1 1/4" 14 Spl Gear Set -22	0335-028-100	250-5122-45	323 2922 250
	APF-250-25 gs	250 1 1/4" 14 Spl Gear Set -25	0335-029-100	250-5125-45	323 2925 250
	ASF-250-07 gs	250 1 1/4" Key Gear Set -07	0335-032-100	250-5107-15	323 2907 750
	ASF-250-10 gs	250 1 1/4" Key Gear Set -10	0335-033-100	250-5110-15	323 2910 750
	ASF-250-12 gs	250 1 1/4" Key Gear Set -12	0335-034-100	250-5112-15	323 2912 750
	ASF-250-15 gs	250 1 1/4" Key Gear Set -15	0335-035-100	250-5115-15	323 2915 750
	ASF-250-17 gs	250 1 1/4" Key Gear Set -17	0335-036-100	250-5117-15	323 2917 750
	ASF-250-20 gs	250 1 1/4" Key Gear Set -20	0335-037-100	250-5120-15	323 2920 750
	ASF-250-22 gs	250 1 1/4" Key Gear Set -22	0335-038-100	250-5122-15	323 2922 750
	ASF-250-25 gs	250 1 1/4" Key Gear Set -25	0335-039-100	250-5125-15	323 2925 750
	ACF-250-13 gs cse	250 1 1/8" 17 Spl Gear Set -13	0335-071-100	250-5117-84	323 2913 204?
	AAF-250-12 gs	250 1" 15 Spl Gear Set-12	0335-084-100	250-5112-53	323 2912 240
	AAF-250-15 gs	250 1" 15 Spl Gear Set-15	0335-085-100	250-5115-53	323 2915 240
	AAF-250-17 gs	250 1" 15 Spl Gear Set-17	0335-086-100	250-5117-53	323 2915 240
	ATF-250-07 gs	250 1" Key Gear Set -07	0335-042-100	250-5107-13	323 2907 740
	ATF-250-10 gs	250 1" Key Gear Set -10	0335-043-100	250-5110-13	323 2910 740
	ATF-250-12 gs	250 1" Key Gear Set -12	0335-044-100	250-5112-13	323 2912 740
	ATF-250-15 gs	250 1" Key Gear Set -15	0335-045-100	250-5115-13	323 2915 740
	ATF-250-17 gs	250 1" Key Gear Set -17	0335-046-100	250-5117-13	323 2917 740
	ATF-250-20 gs	250 1" Key Gear Set -20	0335-047-100	250-5120-13	323 2920 740
	ATF-250-22 gs	250 1" Key Gear Set -22	0335-048-100	250-5122-13	323 2922 740
	ATF-250-25 gs	250 1" Key Gear Set -25	0335-049-100	250-5125-13	323 2925 740
	ACL-250-25 gs	250 14 Spl Clark Gear Set -25	0350-094-100	151-6400-47	SPECIAL
	AVF-250-05 gs	250 7/8" 13 Spl Gear Set -05	0335-051-100	250-5105-32	323 2905 230
	AVF-250-07 gs	250 7/8" 13 Spl Gear Set -07	0335-052-100	250-5107-32	323 2907 230
	AVF-250-10 gs	250 7/8" 13 Spl Gear Set -10	0335-053-100	250-5110-32	323 2910 230
	AVF-250-12 gs	250 7/8" 13 Spl Gear Set -12	0335-054-100	250-5112-32	323 2912 230
AVF-250-15 gs	250 7/8" 13 Spl Gear Set -15	0335-055-100	250-5115-32	323 2915 230	
AVF-250-17 gs	250 7/8" 13 Spl Gear Set -17	0335-056-100	250-5117-32	323 2917 230	
AVF-250-20 gs	250 7/8" 13 Spl Gear Set -20	0335-057-100	250-5120-32	323 2920 230	
AVF-250-22 gs	250 7/8" 13 Spl Gear Set -22	0335-058-100	250-5122-32	323 2922 230	
AVF-250-25 gs	250 7/8" 13 Spl Gear Set -25	0335-059-100	250-5125-32	323 2925 230	

<b>CONTINENTAL GEAR SETS</b>					
<b>B</b>	BMF-250-05 gs	250 Gear Set -05	0335-011-100	250-5305-00	323 2805 000
	BMF-250-07 gs	250 Gear Set -07	0335-012-100	250-5307-00	323 2807 000
	BMF-250-10 gs	250 Gear Set -10	0335-013-100	250-5310-00	323 2810 000
	BMF-250-12 gs	250 Gear Set -12	0335-014-100	250-5312-00	323 2812 000
	BMF-250-15 gs	250 Gear Set -15	0335-015-100	250-5315-00	323 2815 000
	BMF-250-17 gs	250 Gear Set -17	0335-016-100	250-5317-00	323 2817 000
	BMF-250-20 gs	250 Gear Set -20	0335-017-100	250-5320-00	323 2820 000
	BMF-250-22 gs	250 Gear Set -22	0335-018-100	250-5322-00	323 2822 000
	BMF-250-25 gs	250 Gear Set -25	0335-019-100	250-5325-00	323 2825 000

<b>GEAR HOUSINGS</b>					
<b>C</b>	CMH-250-05 hsg	250 Housing -05	0435-005-500	250-2105-00	323 8105 100
	CMH-250-07 hsg	250 Housing -07	0435-007-500	250-2107-00	323 8107 100
	CMH-250-10 hsg	250 Housing -10	0435-010-500	250-2110-00	323 8110 100
	CMH-250-12 hsg	250 Housing -12	0435-012-500	250-2112-00	323 8112 100
	CMH-250-15 hsg	250 Housing -15	0435-015-500	250-2115-00	323 8115 100
	CMH-250-17 hsg	250 Housing -17	0435-017-500	250-2117-00	323 8117 100
	CMH-250-20 hsg	250 Housing -20	0435-020-500	250-2120-00	323 8120 100
	CMH-250-22 hsg	250 Housing -22	0435-022-500	250-2122-00	323 8122 100
	CMH-250-25 hsg	250 Housing -25	0435-025-500	250-2125-00	323 8125 100
	CLF-250-05 motor hsg	250 M Housing -05	0435-070-500	250-2205-00	323 8205 100
	CLF-250-07 motor hsg	250 M Housing -07	0435-071-500	250-2207-00	323 8207 100
	CLF-250-10 motor hsg	250 M Housing -10	0435-072-500	250-2210-00	323 8210 100
	CLF-250-12 motor hsg	250 M Housing -12	0435-073-500	250-2212-00	323 8212 100
	CLF-250-15 motor hsg	250 M Housing -15	0435-074-500	250-2215-00	323 8215 100

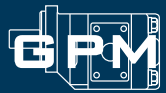


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# SERIES 250



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>SEC - SHAFT END COVERS</b>					
<b>C</b>	CLF-250-17 motor hsg	250 M Housing -17	0435-075-500	250-2217-00	323 8217 100
	CLF-250-20 motor hsg	250 M Housing -20	0435-076-500	250-2220-00	323 8220 100
	CLF-250-22 motor hsg	250 M Housing -22	0435-077-500	250-2222-00	323 8222 100
	CLF-250-25 motor hsg	250 M Housing -25	0435-078-500	250-2225-00	323 8225 100
<b>SEC - SHAFT END COVERS</b>					
<b>D</b>	DRF-250 2b4" sec	250 SEC 2 Bolt 4" B	0435-042-500	250-1231-10	323 5123 201
	DNF-250 2b5" sec	250 SEC 2 Bolt 5" C	0435-046-500	250-1241-10	323 5123 202
	DDB-250 4" combo sec	250 SEC 2/4 Bolt 4" B	0435-044-500	250-1531-10	323 5153 201
	DDB-250 5" combo sec	250 SEC 2/4 Bolt 5" C	0435-045-500	250-1541-10	323 5153 202
	DHF-250 4b4" sec	250 SEC 4 Bolt 4" B	0435-040-500	250-1331-10	323 5133 201
	DKF-250 4b5" sec	250 SEC 4 Bolt 5" C	0435-041-500	250-1341-10	323 5133 202
<b>PEC - PORT END COVERS</b>					
<b>E</b>	EPB-250/215 CCW pec	250 PEC PB 250/215 CCW	0435-116-500	250-4622-20	323 3160 100
	EPB-250/215 CW pec	250 PEC PB 250/215 CW	0435-115-500	250-4622-10	323 3150 100
	EAAP-250 2bA CCW pec	250 PEC 250 2bA CCW	0435-156-500	250-4737-20	323 3164 099
	EAAP-250 2bA CW pec	250 PEC 250 2bA CW	0435-155-500	250-4737-10	323 3154 099
	EAAP-250 2bB CCW pec	250 PEC 250 2bB CCW	0435-158-500	250-4738-20	323 3164 100
	EAAP-250 2bB CW pec	250 PEC 250 2bB CW	0435-157-500	250-4738-10	323 3154 100
	EUF-250-M motor pec	250 PEC Motor	0435-079-500	250-4400-00	323 3120 100
	EWf-250 ported pec	250 PEC Ported	0435-033-500	250-4200-00	323 3110 100
EZF-250 tandem pec	250 PEC Tandem	0435-031-500	250-4300-00	323 3100 100	
<b>BEARING CARRIERS</b>					
<b>F</b>	FTF-250-1 bc	250 Bearing Carrier 1-1	0435-080-500	250-3100-00	323 7600 100
	FTF-250-2 bc	250 Bearing Carrier 1-2	0435-030-500	250-3200-00	323 7800 100
<b>THRUST PLATES</b>					
<b>G</b>	GM-250 motor tp	250 Thrust Plate Motor	0435-037-500	250-8130-00	391 2185 068
	GCI-250 pump tp	250 Thrust Plate Pump	0435-036-500	250-8140-00	391 2185 057
<b>THRUST PLATE SEALS</b>					
<b>H</b>	HCI-250-CSBU tps	250 Thrust Plate B/Up	0435-011-200	250-8731-30	391 2882 139
	HM-250-MSBU tps	250 Thrust Plate M B/Up	0435-014-200	250-8732-70	391 2885 075
	HM-250-MES tps	250 Thrust Plate M Seal E	0435-013-200	250-8732-60	391 2885 074
	HM-250-MSS tps	250 Thrust Plate M Seal S	0435-012-200	250-8732-40	391 2885 073
	HCI-250-CS tps	250 Thrust Plate Seal	0435-010-200	250-8731-20	391 2882 140
<b>CONNECTING SHAFT</b>					
<b>I</b>	IPB-250/215 cs	250 Connecting shaft PB 250/215	0435-110-500	250-7100-40	323 1133 006
	IAAP-250/13spl cs	250 Connecting shaft 250/13spl	0435-151-500	250-7220-00	323 1133 003
	IAAP-250/9spl cs	250 Connecting shaft 250/9spl	0435-150-500	250-7210-00	323 1133 002
	IYF-250 cs	250 Connecting Shaft	0435-001-500	250-7000-00	323 1133 001
<b>CONTINENTAL SHAFTS</b>					
<b>J</b>	JFG-250 15spl cds	250 1" 15 Spl Shaft	0435-050-500	250-6100-53	SPECIAL
<b>BEARINGS / BUSHES</b>					
<b>K</b>	KAAP-250/265 brg	250 Bearing 250/265	0435-160-200	250-8021-00	391 0381 099
	KX-151-58 shaft brg	151/250 Shaft Bearing	0450-102-200	151-8020-00	391 0381 077
	KBUSH-250	250 Bush	0435-001-200	250-8000-00	391 0482 308
<b>SEALS</b>					
<b>L</b>	LUB-151-244 bs	125/151 Body Seal	0425-117-200	151-8720-00	391 2884 021
	LX-151-17 pump seal	151 Shaft Seal Pump	0430-103-200	151-8711-00	391 2883 103
	LX-151V-17 viton seal	151 Viton seal	0450-099-200	151-8711-10	
	LUB-250-244 bs	250 Body seal	0435-117-200	250-8720-00	391 2884 074
<b>RETAINERS</b>					
<b>M</b>	MPA-250 s/retainer tt	250 Seal Retainer Telltale	0435-081-500	250-8500-00	391 2584 050

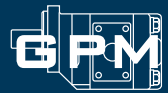


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# SERIES 250



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>DOWEL PINS</b>					
<b>N</b>	NDOWEL-131	290 Dowel 131/151/230/250	0425-120-500	XXX-8600-00	391 2082 032
<b>SPACERS</b>					
<b>Q</b>	QVB/AC-151 spacer	151 Bearing Spacer	0450-039-200	151-8440-00	391 3383 087
	QVB-151-1 brg spacer	151 Bearing Spacer	0450-039-500	151-8430-01	391 3383 087
	QAC-151 s/spacer	151 Seal Spacer	0450-040-500	151-8410-00	391 3383 087
<b>KEYS</b>					
<b>R</b>	RX-113 key	290 Key	0451-010-200	XXX-8920-04	391 1781 020
	RX-20 key	290 Key .19 x 1.25 .28	0415-140-200	XXX-8920-04	391 1781 027
	RX-16 key	290 Key 1/4" x 1/4" x 1 1/4"	0425-132-200	XXX-8920-05	391 1781 082
	RX-18 key	290 Key 1/4" x 1/4" x 1"	0430-123-200	XXX-8920-05	391 1781 085
	RX-17 key	290 Key 1/4" x 3/8" x 1"	0430-122-200	XXX-8920-02	391 1781 025
	RX-13 key	290 Key 1/4" x 3/8" x 1 1/4"	0425-130-200	XXX-8920-01	391 1781 021
	RX-38 key	290 Key 5/16" x 15/32" x 1 1/2"	0425-129-200	XXX-8920-03	391 1781 045
	RX-19 key	290 Key 5/16" x 5/16" x 1 1/2"	0425-133-200	XXX-8920-06	391 1781 083
RX-54 key	290 Key 5/16" x 5/16" x 1 1/4"	0430-124-200	XXX-8920-07	391 1781 007	
<b>SNAP RINGS</b>					
<b>S</b>	SAAP250/265 snap ring	250 Snap Ring 250/265	0435-161-200	250-8340-00	391 2686 019
	SX-151-283 snap ring	151 Snap Ring SEC	0450-103-200	151-8310-00	391 2686 065
	SX-151-125 snap ring	151 Snap Ring Shaft	0450-104-200	151-8320-00	391 2685 040
<b>BOLTS, STUDS, NUTS &amp; WASHERS</b>					
<b>V</b>	VBOLT 5/8" X 3.75"	290 Bolt 5/8" UNC	0425-151-200	XXX-8212-A3	391 1401
	VBOLT 5/8" X 4.00"	290 Bolt 5/8" UNC	0425-152-200	XXX-8212-B0	391 1401 463
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-160-200	XXX-8212-B1	391 1401 346
	VBOLT 5/8" X 4.25"	290 Bolt 5/8" UNC	0425-153-200	XXX-8212-B2	391 1401 294
	VBOLT 5/8" X 4.75"	290 Bolt 5/8" UNC	0425-161-200	XXX-8212-B3	391 1401 341
	VBOLT 5/8" X 5.00"	290 Bolt 5/8" UNC	0425-154-200	XXX-8212-B0	391 1401 295
	VBOLT 5/8" X 5.25"	290 Bolt 5/8" UNC	0425-159-200	XXX-8212-C1	391 1401
	VBOLT 5/8" X 5.50"	290 Bolt 5/8" UNC	0425-155-200	XXX-8212-B2	391 1401 362
	VBOLT 5/8" X 5.75"	290 Bolt 5/8" UNC	0425-162-200	XXX-8212-C3	391 1401 334
	VBOLT 5/8" X 6.00"	290 Bolt 5/8" UNC	0425-156-200	XXX-8212-D0	391 1401 405
	VBOLT 5/8" X 6.25"	290 Bolt 5/8" UNC	0425-166-200	XXX-8212-D1	391 1401
	VBOLT 5/8" X 6.50"	290 Bolt 5/8" UNC	0425-157-200	XXX-8212-D2	391 1401 363
	VBOLT 5/8" X 6.75"	290 Bolt 5/8" UNC	0425-163-200	XXX-8212-D3	391 1401 528
	VBOLT 5/8" X 7.00"	290 Bolt 5/8" UNC	0425-158-200	XXX-8212-E0	391 1401 409
	VBOLT 5/8" X 8.00"	290 Bolt 5/8" UNC	0425-164-200	XXX-8212-F0	391 1401 473
	VBOLT 5/8" X 9.00"	290 Bolt 5/8" UNC	0425-165-200	XXX-8212-J0	391 1401 374 1
	VSTUD 5/8" X 06"-11"	290 Stud 5/8" unc 06"-11"	0484-060-110	XXX-8222-01	SPECIAL
	VSTUD 5/8" X 11"-16"	290 Stud 5/8" unc 11"-16"	0484-110-160	XXX-8222-02	SPECIAL
	VSTUD 5/8" X 16"-21"	290 Stud 5/8" unc 16"-21"	0484-160-210	XXX-8222-03	SPECIAL
	VSTUD 5/8" X 21"-26"	290 Stud 5/8" unc 21"-26"	0484-210-260	XXX-8222-04	SPECIAL
	VROD 5/8"	290 Tie Rod 5/8" unc	0425-140-200	XXX-8222-00	SPECIAL
VWASHER 5/8"	290-131/151/230/250 5/8" washer	0450-177-500	XXX-8242-00	391 3784 028	
VNUT 5/8"	290-5/8" Nut	0455-176-200	XXX-8230-00	391 1451 076	
<b>GENERAL</b>					
<b>W</b>	WM-1391-K check valve	290 Check Valve SEC	0431-001-200	XXX-8820-00	391 3681 001
	WT-131-1391 plug	290 Plug SEC	0431-002-200	XXX-8810-00	391 2286 004

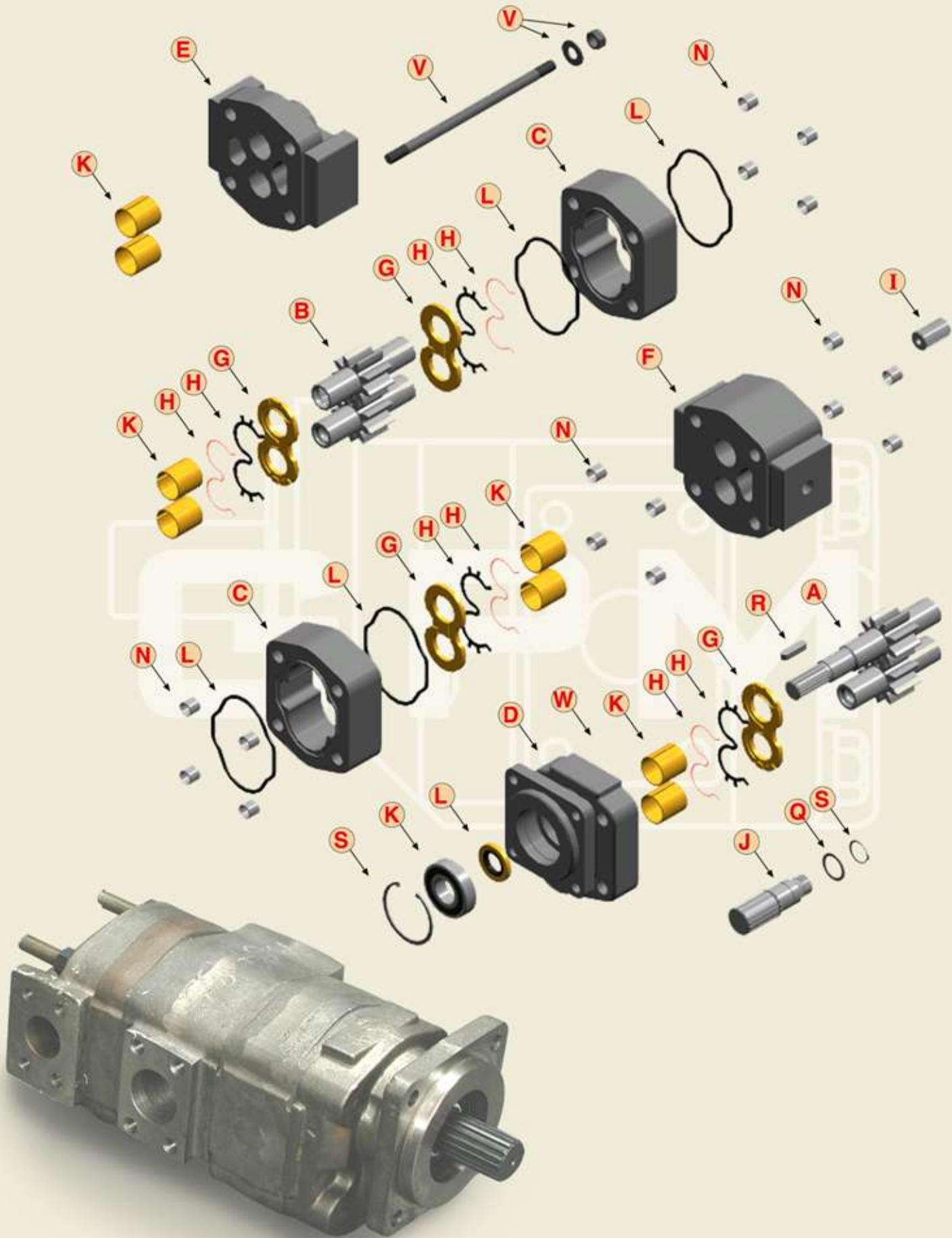
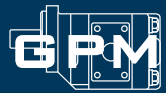


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# SERIES 265



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# SERIES 265



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>INTEGRAL GEAR SETS</b>					
<b>A</b>	ANG-265-10 gs	265 1 1/4" 14 Spl Gear Set -10	0365-022-100	265-5110-45	322 2910 250
	ANG-265-12 gs	265 1 1/4" 14 Spl Gear Set -12	0365-023-100	265-5112-45	322 2912 250
	ANG-265-15 gs	265 1 1/4" 14 Spl Gear Set -15	0365-024-100	265-5115-45	322 2915 250
	ANG-265-17 gs	265 1 1/4" 14 Spl Gear Set -17	0365-025-100	265-5117-45	322 2917 250
	ANG-265-17 long gs	265 1 1/4" 14 Spl Gear Set -17 long	0365-055-100	265-5417-45	
	ANG-265-20 gs	265 1 1/4" 14 Spl Gear Set -20	0365-026-100	265-5120-45	322 2920 250
	ANG-265-22 gs	265 1 1/4" 14 Spl Gear Set -22	0365-027-100	265-5122-45	322 2922 250
	ANG-265-25 gs	265 1 1/4" 14 Spl Gear Set -25	0365-028-100	265-5125-45	322 2925 250
	AAG-265-10 gs	265 1 1/4" Key Gear Set -10	0365-032-100	265-5110-15	322 2910 750
	AAG-265-12 gs	265 1 1/4" Key Gear Set -12	0365-033-100	265-5112-15	322 2912 750
	AAG-265-15 gs	265 1 1/4" Key Gear Set -15	0365-034-100	265-5115-15	322 2915 750
	AAG-265-17 gs	265 1 1/4" Key Gear Set -17	0365-035-100	265-5117-15	322 2917 750
	AAG-265-20 gs	265 1 1/4" Key Gear Set -20	0365-036-100	265-5120-15	322 2920 750
	AAG-265-22 gs	265 1 1/4" Key Gear Set -22	0365-037-100	265-5122-15	322 2922 750
	AAG-265-25 gs	265 1 1/4" Key Gear Set -25	0365-038-100	265-5125-15	322 2925 750
AIR-265-07 gs	265 10 Spl Gear Set-07	0365-091-100	265-5107-67	SPECIAL	
<b>CONTINENTAL GEAR SETS</b>					
<b>B</b>	BPG-265-07 gs	265 Gear Set -07	0365-011-100	265-5307-00	322 2807 000
	BPG-265-10 gs	265 Gear Set -10	0365-012-100	265-5310-00	322 2810 000
	BPG-265-12 gs	265 Gear Set -12	0365-013-100	265-5312-00	322 2812 000
	BPG-265-15 gs	265 Gear Set -15	0365-014-100	265-5315-00	322 2815 000
	BPG-265-17 gs	265 Gear Set -17	0365-015-100	265-5317-00	322 2817 000
	BPG-265-20 gs	265 Gear Set -20	0365-016-100	265-5320-00	322 2820 000
	BPG-265-22 gs	265 Gear Set -22	0365-017-100	265-5322-00	322 2822 000
	BPG-265-25 gs	265 Gear Set -25	0365-018-100	265-5325-00	322 2825 000
<b>GEAR HOUSING</b>					
<b>C</b>	CSG-265-07 hsg	265 Housing -07	0465-007-500	265-2107-00	322 8107 100
	CSG-265-10 hsg	265 Housing -10	0465-010-500	265-2110-00	322 8110 100
	CSG-265-12 hsg	265 Housing -12	0465-012-500	265-2112-00	322 8112 100
	CSG-265-15 hsg	265 Housing -15	0465-015-500	265-2115-00	322 8115 100
	CSG-265-17 hsg	265 Housing -17	0465-017-500	265-2117-00	322 8117 100
	CSG-265-20 hsg	265 Housing -20	0465-020-500	265-2120-00	322 8120 100
	CSG-265-22 hsg	265 Housing -22	0465-022-500	265-2122-00	322 8122 100
	CSG-265-25 hsg	265 Housing -25	0465-025-500	265-2125-00	322 8125 100
	CLG-265-07 motor hsg	265 M Housing -07	0465-071-500	265-2207-00	322 8207 100
	CLG-265-10 motor hsg	265 M Housing -10	0465-072-500	265-2210-00	322 8210 100
	CLG-265-12 motor hsg	265 M Housing -12	0465-073-500	265-2212-00	322 8212 100
	CLG-265-15 motor hsg	265 M Housing -15	0465-074-500	265-2215-00	322 8215 100
	CLG-265-17 motor hsg	265 M Housing -17	0465-075-500	265-2217-00	322 8217 100
	CLG-265-20 motor hsg	265 M Housing -20	0465-076-500	265-2220-00	322 8220 100
	CLG-265-22 motor hsg	265 M Housing -22	0465-078-500	265-2222-00	322 8222 100
	CLG-265-25 motor hsg	265 M Housing -25	0465-079-500	265-2225-00	322 8225 100
	<b>SEC - SHAFT END COVERS</b>				
<b>D</b>	DRG-265 2b4" sec	265 SEC 2 Bolt 4" B	0465-092-500	265-1231-10	322 5123 201
	DRG-265 2b4" motor sec	265 SEC 2 Bolt 4" B motor	0465-098-500	265-1232-10	322 5123 401
	DVG-265 2b5" sec	265 SEC 2 Bolt 5" C	0465-091-500	265-1241-10	322 5123 202
	DVG-265 2b5" motor sec	265 SEC 2 Bolt 5" C motor	0465-097-500	265-1242-10	322 5123 402
	DSG-265 4b4" sec	265 SEC 4 Bolt 4" B	0465-093-500	265-1331-10	322 5133 201
	DSG-265 4b4" motor sec	265 SEC 4 Bolt 4" B motor	0465-099-500	265-1332-10	322 5133 401
	DTG-265 4b5" sec	265 SEC 4 Bolt 5" C	0465-090-500	265-1341-10	322 5133 202
DTG-265 4b5" motor sec	265 SEC 4 Bolt 5" C motor	0465-096-500	265-1342-10	322 5133 402	
<b>PEC - PORT END COVERS</b>					
<b>E</b>	EPB-265/230 CCW pec	265 PEC PB 265/230 CCW	0465-116-500	265-4625-20	322 3160 100
	EPB-265/230 CW pec	265 PEC PB 265/230 CW	0465-115-500	265-4625-10	322 3150 100
	EAAP-265 2bA CCW pec	265 PEC 265 2bA CCW	0465-156-500	265-4737-20	322 3164 099
	EAAP-265 2bA CW pec	265 PEC 265 2bA CW	0465-155-500	265-4737-10	322 3154 099
	EAAP-265 2bB CCW pec	265 PEC 265 2bB CCW	0465-158-500	265-4738-20	322 3164 100
	EAAP-265 2bB CW pec	265 PEC 265 2bB CW pec	0465-157-500	265-4738-10	322 3154 100
	EWG-265-M motor pec	265 PEC Motor	0465-035-500	265-4400-00	322 3120 100
	EWG-265 ported pec	265 PEC Ported	0465-033-500	265-4200-00	322 3110 100
	EYG-265 tandem pec	265 PEC Tandem	0465-034-500	265-4300-00	322 3100 100
	EYG-265-M motor pec	265 PEC Tandem motor	0465-039-500	265-4410-00	322 3100 099



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# SERIES 265



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>BEARING CARRIERS</b>					
<b>F</b>	FZG-265-1 bc	265 Bearing Carrier 1-1	0465-031-500	265-3100-00	322 7600 100
	FZG-265-M motor bc	265 Bearing Carrier 1-1 motor	0465-038-500	265-3110-00	322 7700 100
	FZG-265-2 bc	265 Bearing Carrier 1-2	0465-030-500	265-3200-00	322 7800 100
	FZG-265-3 bc	265 Bearing Carrier 3" inlet	0465-032-500	265-3300-00	
<b>TRUST PLATES</b>					
<b>G</b>	GM-265 motor tp	265 Thrust Plate Motor	0465-037-500	265-8130-00	391 2185 060
	GCI-265 pump tp	265 Thrust Plate Pump	0465-036-500	265-8140-00	391 2185 055
<b>THRUST PLATE SEALS</b>					
<b>H</b>	HCI-265-CSBU tps	265 Thrust Plate B/Up	0465-011-200	265-8731-30	391 2883 177
	HM-265-MSBU tps	265 Thrust Plate M B/Up	0465-014-200	265-8732-70	391 2885 071
	HM-265-MES tps	265 Thrust Plate M Seal E	0465-013-200	265-8732-60	391 2885 070
	HM-265-MSS tps	265 Thrust Plate M Seal S	0465-012-200	265-8732-40	391 2885 069
	HCI-265-CS tps	265 Thrust Plate Seal	0465-010-200	265-8731-20	391 2883 176
<b>CONNECTING SHAFT</b>					
<b>I</b>	IPB-265/230 cs	265 Connecting shaft PB 265/230	0465-110-500	265-7100-80	322 1133 002
	IAAP-265/13spl cs	265 Connecting shaft 265/13spl	0465-151-500	265-7220-00	322 1133 004
	IAAP-265/15spl cs	265 Connecting shaft 265/15spl	0465-152-500	265-7240-00	322 1133 009
	IAAP-265/9spl cs	265 Connecting shaft 265/9spl	0465-150-500	265-7210-00	322 1133 003
	IAG-265 cs	265 Connecting Shaft	0465-045-500	265-7000-00	322 1133 001
<b>CONTINENTAL SHAFTS</b>					
<b>J</b>	JKG-265 17spl cds	265 17 Spl Shaft	0465-051-500	265-6400-87	SPECIAL
<b>BEARINGS / BUSHES</b>					
<b>K</b>	KAAP-250/265 brg	250 Bearing 250/265	0435-160-200	250-8021-00	391 0381 099
	KX-176-59 shaft brg	176/265 Shaft Bearing	0475-104-200	176-8020-00	391 0381 078
	KBUSH-265	265 Bush	0465-001-200	265-8000-00	391 0482 307
<b>SEALS</b>					
<b>L</b>	LX-176V-10 viton seal	176 Viton seal	0475-099-200	176-8711-10	
	LX-176-1 motor seal	176/265 Shaft Seal Motor I	0475-102-200	176-8713-00	391 2883 094
	LX-176-10 pump seal	176/265 Shaft Seal Pump I	0475-101-200	176-8711-00	391 2883 052
	LUB-265-250 bs	265 Body Seal	0465-107-200	265-8720-00	391 2884 052
<b>RETAINERS</b>					
<b>M</b>	MTT-265 s/retainer tt	265 Seal Retainer Telltale	0465-081-500	265-8500-00	391 2584 097
<b>DOWEL PINS</b>					
<b>N</b>	NDOWEL-265	265 Dowel Hollow	0465-060-500	265-8600-00	391 2082 062
	NDOWEL-265M	265 Dowel Hollow motor	0465-061-500	176-8600-00	391 2082 069
<b>SPACERS</b>					
<b>Q</b>	QVB-176 brg spacer	176 Bearing Spacer	0475-077-500	176-8430-00	391 3383 018
	QAF-176 s/spacer	176 Shaft Spacer	0475-084-500	176-8420-00	391 3381 039
<b>KEYS</b>					
<b>R</b>	RX-20 key	290 Key .19 x 1.25 .28	0415-140-200	XXX-8920-04	391 1781 027
	RX-16 key	290 Key 1/4" x 1/4" x 1 1/4"	0425-132-200	XXX-8920-05	391 1781 082
	RX-18 key	290 Key 1/4" x 1/4" x 1"	0430-123-200	XXX-8920-05	391 1781 085
	RX-17 key	290 Key 1/4" x 3/8" x 1"	0430-122-200	XXX-8920-02	391 1781 025
	RX-13 key	290 Key 1/4" x 3/8" x 1 1/4"	0425-130-200	XXX-8920-01	391 1781 021
	RX-38 key	290 Key 5/16" x 15/32" x 1 1/2"	0425-129-200	XXX-8920-03	391 1781 045
	RX-19 key	290 Key 5/16" x 5/16" x 1 1/2"	0425-133-200	XXX-8920-06	391 1781 083
RX-54 key	290 Key 5/16" x 5/16" x 1 1/4"	0430-124-200	XXX-8920-07	391 1781 007	
<b>SNAP RINGS</b>					
<b>S</b>	SAAP250/265 snap ring	250 Snap Ring 250/265	0435-161-200	250-8340-00	391 2686 019
	SX-176-315 snap ring	176 Snap Ring SEC	0475-105-200	176-8310-00	391 2686 025
	SX-176-137 snap ring	176 Snap Ring Shaft	0475-115-200	176-8320-00	391 2685 029
	SX-215 snap ring	215 Circlip motor	0415-111-200	215-8310-00	391 2686 016

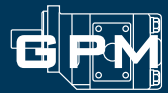


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# SERIES 265



CODE	GPM unique no.	Description	Factory No.	Part No.	Reference*
<b>BOLTS, STUDS, NUTS AND WASHERS</b>					
<b>V</b>	VWASHER 3/4"	265 3/4" washer motor	0465-177-500	265-8243-00	391 3782 114
	VBOLT 3/4" X 5.00	265 Motor Bolt 3/4" UNC	0465-149-200	265-8213-C0	391 1401 196
	VBOLT 3/4" X 5.50	265 Motor Bolt 3/4" UNC	0465-150-200	265-8213-C2	391 1401 197
	VBOLT 3/4" X 6.00	265 Motor Bolt 3/4" UNC	0465-152-200	265-8213-D0	391 1401 189
	VBOLT 3/4" X 6.25	265 Motor Bolt 3/4" UNC	0465-153-200	265-8213-D1	391 1401
	VBOLT 3/4" X 6.50	265 Motor Bolt 3/4" UNC	0465-154-200	265-8213-D2	391 1401 198
	VBOLT 5/8" X 3.75	290 Bolt 5/8" UNC	0425-151-200	XXX-8212-A3	391 1401
	VBOLT 5/8" X 4.00	290 Bolt 5/8" UNC	0425-152-200	XXX-8212-B0	391 1401 463
	VBOLT 5/8" X 4.25	290 Bolt 5/8" UNC	0425-160-200	XXX-8212-B1	391 1401 346
	VBOLT 5/8" X 4.25	290 Bolt 5/8" UNC	0425-153-200	XXX-8212-B2	391 1401 294
	VBOLT 5/8" X 4.75	290 Bolt 5/8" UNC	0425-161-200	XXX-8212-B3	391 1401 341
	VBOLT 5/8" X 5.00	290 Bolt 5/8" UNC	0425-154-200	XXX-8212-B0	391 1401 295
	VBOLT 5/8" X 5.25	290 Bolt 5/8" UNC	0425-159-200	XXX-8212-C1	391 1401
	VBOLT 5/8" X 5.50	290 Bolt 5/8" UNC	0425-155-200	XXX-8212-B2	391 1401 362
	VBOLT 5/8" X 5.75	290 Bolt 5/8" UNC	0425-162-200	XXX-8212-C3	391 1401 334
	VBOLT 5/8" X 6.00	290 Bolt 5/8" UNC	0425-156-200	XXX-8212-D0	391 1401 405
	VBOLT 5/8" X 6.25	290 Bolt 5/8" UNC	0425-166-200	XXX-8212-D1	391 1401
	VBOLT 5/8" X 6.5	290 Bolt 5/8" UNC	0425-157-200	XXX-8212-D2	391 1401 363
	VBOLT 5/8" X 6.75"	290 Bolt 5/8" UNC	0425-163-200	XXX-8212-D3	391 1401 528
	VBOLT 5/8" X 7.00"	290 Bolt 5/8" UNC	0425-158-200	XXX-8212-E0	391 1401 409
	VBOLT 5/8" X 8.00"	290 Bolt 5/8" UNC	0425-164-200	XXX-8212-F0	391 1401 473
	VBOLT 5/8" X 9.00"	290 Bolt 5/8" UNC	0425-165-200	XXX-8212-J0	391 1401 374
	VSTUD 5/8" X 06"-11"	290 Stud 5/8" unc 06"-11"	0484-060-110	XXX-8222-01	SPECIAL
	VSTUD 5/8" X 11"-16"	290 Stud 5/8" unc 11"-16"	0484-110-160	XXX-8222-02	SPECIAL
	VSTUD 5/8" X 16"-21"	290 Stud 5/8" unc 16"-21"	0484-160-210	XXX-8222-03	SPECIAL
	VSTUD 5/8" X 21"-26"	290 Stud 5/8" unc 21"-26"	0484-210-260	XXX-8222-04	SPECIAL
VROD 5/8"	290 Tie Rod 5/8" unc	0425-140-200	XXX-8222-00	SPECIAL	
VWASHER 5/8"	290-131/151/230/250 5/8" washer	0450-177-500	XXX-8242-00	391 3784 028	
VNUT 5/8"	290-5/8" Nut	0455-176-200	XXX-8230-00	391 1451 076	

<b>GENERAL</b>					
<b>W</b>	WM-1391-K check valve	290 Check Valve SEC	0431-001-200	XXX-8820-00	391 3681 001
	WT-131-1391 plug	290 Plug SEC	0431-002-200	XXX-8810-00	391 2286 004



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# Pump Builder

Step 1		Step 2	Step 3		Step 4		Step 5		Step 6		Step 7		Step 8		Step 9		Step 10		Step 11		Step 12		Step 13		Step 14		Step 15		Step 16		Step 11	Step 12		
Unit Type		Series	Stages and rotation		Shaft Type		Shaft Dimension		Mounting Type		Mounting Dimension		Case Drain		Case Drain Position		Extended Studs		Housing code	Housing Ports	Port End Cover type		Pec Ports	Bearing Carrier Type		Bearing Carriers	Housing code	Housing Ports						
<b>GP</b>	pump	<b>114</b>	<b>A</b>	one-cw	<b>1</b>	solid standard	<b>A</b>	A spline 9	<b>1</b>	standard with bearing	<b>A</b>	2 bolt A 3 1/4"	<b>A</b>	none	<b>A</b>	none	<b>A</b>	none	<b>03</b>		<b>1</b>	blank - no ports		<b>A</b>	blank - no ports		<b>03</b>							
<b>GM</b>	motor	<b>115</b>	<b>B</b>	one-ccw	<b>2</b>	solid short type 2	<b>B</b>	B spline 13	<b>2</b>	standard without bearing	<b>B</b>	2 bolt B 4"	<b>B</b>	1/4" npt	<b>B</b>	sec 3 o clock	<b>B</b>	drive side - top	<b>05</b>		<b>2</b>	1 port - suction - side		<b>B</b>	common suction only		<b>05</b>							
<b>GF</b>	flow divider	<b>120</b>	<b>C</b>	one-bi	<b>3</b>	solid special	<b>C</b>	C spline 14	<b>3</b>	short type 2 (no bearing)	<b>C</b>	2 bolt C 5"	<b>C</b>	1/4" bspp	<b>C</b>	sec 6 o clock	<b>C</b>	idler side - bottom	<b>06</b>		<b>3</b>	1 port - suction - rear		<b>C</b>	suction only		<b>06</b>							
<b>GA</b>	add a pump	<b>125</b>	<b>D</b>	two-cw	<b>4</b>	continental standard	<b>D</b>	BB spline 15	<b>4</b>	short type 2 (no bearing) and seal spacer	<b>D</b>	4 bolt B 4"	<b>D</b>	1/4" odt	<b>D</b>	sec 9 o clock			<b>07</b>		<b>4</b>	1 port - suction - rear		<b>D</b>	pressure only		<b>07</b>							
<b>GB</b>	piggyback	<b>130</b>	<b>E</b>	two-ccw	<b>5</b>	continental short	<b>E</b>	A keyed 5/8"	<b>5</b>	standard with bearing and seal spacer	<b>E</b>	4 bolt C 5"	<b>E</b>	3/8" odt	<b>E</b>	sec 12 o clock			<b>08</b>		<b>5</b>	1 port - pressure - rear		<b>E</b>	1 suction 1 pressure		<b>08</b>							
<b>GZ</b>	pump / motor	<b>131</b>	<b>F</b>	two-bi	<b>6</b>	continental long	<b>F</b>	B keyed 7/8"	<b>6</b>	standard with bearing spacer	<b>F</b>	4 bolt D 6"	<b>F</b>	3/16" telltale	<b>F</b>	pec drive			<b>10</b>		<b>6</b>	2 ports - suction - side		<b>F</b>	131 / piggyback		<b>10</b>							
		<b>150</b>	<b>G</b>	three-cw	<b>7</b>	continental special	<b>G</b>	BB keyed 1"	<b>7</b>	standard with bearing spacer and seal spacer	<b>G</b>	6 bolt round	<b>G</b>	special/other	<b>G</b>	pec idler			<b>11</b>					<b>G</b>	151 / piggyback		<b>11</b>							
		<b>151</b>	<b>H</b>	three-ccw	<b>8</b>	flow divider	<b>H</b>	C keyed 1 1/4"	<b>8</b>	standard with bearing spacer and seal spacer	<b>H</b>	pad mount							<b>12</b>					<b>H</b>	176 / piggyback		<b>12</b>							
		<b>175</b>	<b>J</b>	three-bi	<b>9</b>	pump / motor	<b>J</b>	BB spline 6	<b>9</b>	standard with telltale seal retainer	<b>J</b>	pad mount clutch							<b>13</b>					<b>J</b>	230 / 215 piggyback		<b>13</b>							
		<b>176</b>	<b>K</b>	four-cw			<b>K</b>	Spline 8		flowdivider	<b>K</b>	flow divider							<b>15</b>					<b>K</b>	250 / 215 piggyback		<b>15</b>							
		<b>215</b>	<b>L</b>	four-ccw			<b>L</b>	Spline 10		special / other	<b>L</b>	2/4 bolt B 4"							<b>16</b>					<b>L</b>	265 / 230 piggyback		<b>16</b>							
		<b>230</b>	<b>M</b>	four-bi			<b>M</b>	Spline 11			<b>M</b>	2/4 bolt C 5"							<b>17</b>					<b>M</b>	2 bolt A add a pump 9 spl		<b>17</b>							
		<b>250</b>	<b>N</b>	five-cw			<b>N</b>	Spline 17			<b>N</b>	3 bolt uni							<b>18</b>					<b>N</b>	2 bolt A add a pump 13 spl		<b>18</b>							
		<b>265</b>	<b>P</b>	five-ccw			<b>P</b>	Spline 13 1 3/4"			<b>P</b>	4 bolt din							<b>20</b>					<b>P</b>	2 bolt A add a pump 15 spl		<b>20</b>							
		<b>411</b>	<b>Q</b>	five-bi			<b>Q</b>	Keyed 3/4"			<b>Q</b>	fan motor							<b>22</b>					<b>Q</b>	2 bolt B add a pump 9 spl		<b>22</b>							
		<b>412</b>	<b>R</b>	six-cw			<b>R</b>	Keyed 7/8" threaded			<b>R</b>	pump / motor							<b>25</b>					<b>R</b>	2 bolt B add a pump 13 spl		<b>25</b>							
		<b>413</b>	<b>S</b>	six-ccw			<b>S</b>	Keyed 1 1/8"			<b>S</b>	special / other							<b>27</b>					<b>S</b>	2 bolt B add a pump 15 spl		<b>27</b>							
		<b>414</b>	<b>T</b>	six-bi			<b>T</b>	Keyed 45mm			<b>T</b>								<b>30</b>					<b>T</b>	special / other		<b>30</b>							
		<b>421</b>					<b>U</b>	Taper 1:4															<b>U</b>	common suction/1 pressure										
		<b>422</b>					<b>V</b>	Taper 1:5															<b>V</b>	pump / motor										
		<b>423</b>					<b>W</b>	Taper 7/8"															<b>W</b>											
		<b>511</b>					<b>X</b>	Special / other																										
		<b>512</b>					<b>Y</b>	flow divider																										
		<b>521</b>					<b>Z</b>	pump / motor																										
		<b>522</b>																																

131 / 131
151 / 131
176 / 131
176 / 151
230 / 215
250 / 215
265 / 230
250 / 2A
250 / 2B
265 / 2A
2 65 / 2B

To build a part number for a single pump complete Steps 1-14 and add Steps 15, 16, 11, 12 for each additional section

housing	blank	sfu	sfm	odt	bspp	npt	mixed porting
blank	blank	c					
1/2"	blank					cnb	ca-
1/2"	1/2"						
3/4"	blank	cua	cma	coa	cba	cnc	cb-
3/4"	3/4"	cub	cmb	cob	cbb	cnd	cb-
7/8"	blank			coc	cbc		
1"	blank	cuc	cmc	cod	cbd	cne	
1"	3/4"	cud	cmd	coe	cbe	cnf	cc-
1"	7/8"			cof			cd-
1"	1"	cuf	cme	cog	cbf	cng	ce-
1 1/4"	blank	cue	cmf	coh	cbg	cnh	
1 1/4"	3/4"	cuf	cmg	coj	cbh	cnj	cf-
1 1/4"	1"	cug	cmh	cok	cbj	cnk	cg-
1 1/4"	1 1/4"	cuh	cmi	col	cbk	cnl	ch-
1 1/2"	blank	cuj	cmk	com	cbm	cnm	
1 1/2"	3/4"			con	cbn	cnj	
1 1/2"	1"	cuk	cml	coo	cbl	cno	cj-
1 1/2"	1 1/4"	cul	cmn	cop	cbm	cnp	ck-
1 1/2"	1 1/2"	cum	cmn	coq	cbn	cnr	cl-
2"	blank	cun		cbo			
2"	1"	cup		cbp		cm-	
2"	1 1/4"	cuz	cmp	cbq		cn-	
2"	1 1/2"	cur	cmq	cbr		co-	
2"	2"	cus	cmr	cbs		cp-	
2 1/2"	1 1/4"	cut		cbt		cq-	
2 1/2"	1 1/2"	cuw	cms	cbu		cr-	
2 1/2"	2"	cux		cbv		cs-	
special	special	spl					

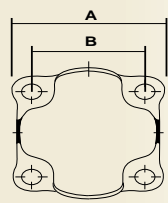
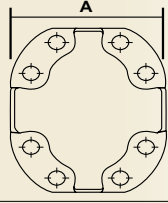
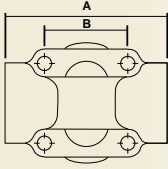
port end covers	blank	sfu	sfm	odt	bspp	npt	mixed porting
blank	blank	e					
1/2"	blank	eua	ema	ea	eba		
1/2"	1/2"	eob	ebb	ena	ea-		
5/8"	blank		eoc				
3/4"	blank	euw	emu	eod	ebc	enb	
3/4"	1/2"	eub	emb	eo	ebd	eb-	
3/4"	5/8"		eof			ec-	
3/4"	3/4"	euc	emc	eog	ebe	enc	ed-
7/8"	blank		eof				
7/8"	1/2"	eud	emd	eo	ebg	ee-	
7/8"	5/8"		eok			ef-	
7/8"	3/4"		eol	ebh		eg-	
7/8"	7/8"		eom	ebj		eh-	
1"	blank	euf	eme	eon	ebk		
1"	1/2"	eug	emf	ebw		ej-	
1"	5/8"		eoo			ek-	
1"	3/4"	eu	emg	eop	eb	end	el-
1"	7/8"		eoq	ebm		em-	
1"	1"	eu	emh	eor	ebn	ene	en-
1 1/4"	blank	euk	emj	eos	ebo		
1 1/4"	5/8"		eot			eo-	
1 1/4"	3/4"		eou	ebp	enf	ep-	
1 1/4"	7/8"		eov	ebq		eq-	
1 1/4"	1"	eul	emk	eow	ebr	eng	er-
1 1/4"	1 1/4"	eum	eml	eox	eb	es-	
1 1/2"	blank	eun	emm	ebt			
1 1/2"	1"	euo	emn	ey	ebu	et-	
1 1/2"	1 1/4"	eup	emo	eo	ebv	eu-	
1 1/2"	1 1/2"	eug	emp			ev-	
2"	blank	eur	emq			ew-	
2"	1"	eus	emr			ex-	
2"	1 1/4"	eut	ems			ey-	
2"	1 1/2"	euv	emt			ez-	
special	special	spl					

bearing carriers	blank	sfu	sfm	odt	bspp	npt	mixed porting
blank	blank	f					
c/suction	blank	fff					
1/2"	blank	fua	fma	foa	fba		fa-
3/4"	blank	fub	fmb	fob	fb		fb-
3/4"	5/8"		foc				fb-
3/4"	3/4"	fud	fmc	fod	fb		fc-
3/4"	7/8"		fok				
1"	blank	fue	fmd	foe	fb	fna	
1"	5/8"		fof				fd-
1"	3/4"	fuf	fme	fog	fbe	fnb	fe-
1"	7/8"		foh	fbf			fg-
1"	1"	fug	fmf	foi	fbg	fnc	fh-
1 1/4"	blank	fuh	fmg	foj	fbh	fn	fi-
1 1/4"	1/2"	fuj	fmh	fol	fbj		fi-
1 1/4"	5/8"		fom				fi-
1 1/4"	3/4"	ful	fmi	fon	fbk	fne	fk-
1 1/4"	7/8"		foo	fb			fl-
1 1/4"	1"	fum	fmk	fop	fbm	fnf	fm-
1 1/4"	1 1/4"	fun	fml	foq	fbn	fng	fn-
1 1/2"	blank	fuo	fmm	for	fbo		
1 1/2"	3/4"	fup	fmn	fos	fbp		fo-
1 1/2"	7/8"		fo	fbq			fp-
1 1/2"	1"	fug	fms	fou	fb	fnh	fq-
1 1/2"	1 1/4"	fur	fmp	fov	fb		fr-
1 1/2"	1 1/2"	fus	fmq	fo	fb	fnj	fs-
2"	1"	fut	fmr	fox	fbu		ft-
2"	1 1/4"	fuu	fms	foy	fbv		fu-
2"	1 1/2"	fuv	fml	fuz	fbw		fv-
2"	2"	fuw	fmu				fw-
2 1/2"	1"	fux	fmv				fx-
2 1/2"	1 1/4"	fuy	fmw				fy-
2 1/2"	1 1/2"	fuz	fmx				fz-
special	special	spl					

bearing carriers 1 in 2 out	blank	sfu	sfm	odt	bspp	npt	mixed porting
blank	blank	g					
1"	1/2"	gua	gma	goa	gba		ga-
1"	3/4"	gub	gmb	gob	gbb		gb-
1"	5/8"		goc				gc-
1"	3/4"		god				gd-
1"	3/4"	guc	gmc	goc	gbc		ge-
1"	1"			gof			

# Pump Identification

## EXTERNAL - PORT END COVER VIEW

Measurements in Millimeters	120	131	125	151	176	215	230	250	265
	A	127.00	122.20	128.50	128.50				
	B	80.00	90.40	90.40	90.40				
	A	120.00	125.00		130.00	155.70			
	A					115.00	184.00	194.00	196.00
	B					60.00	90.50	90.00	108.00

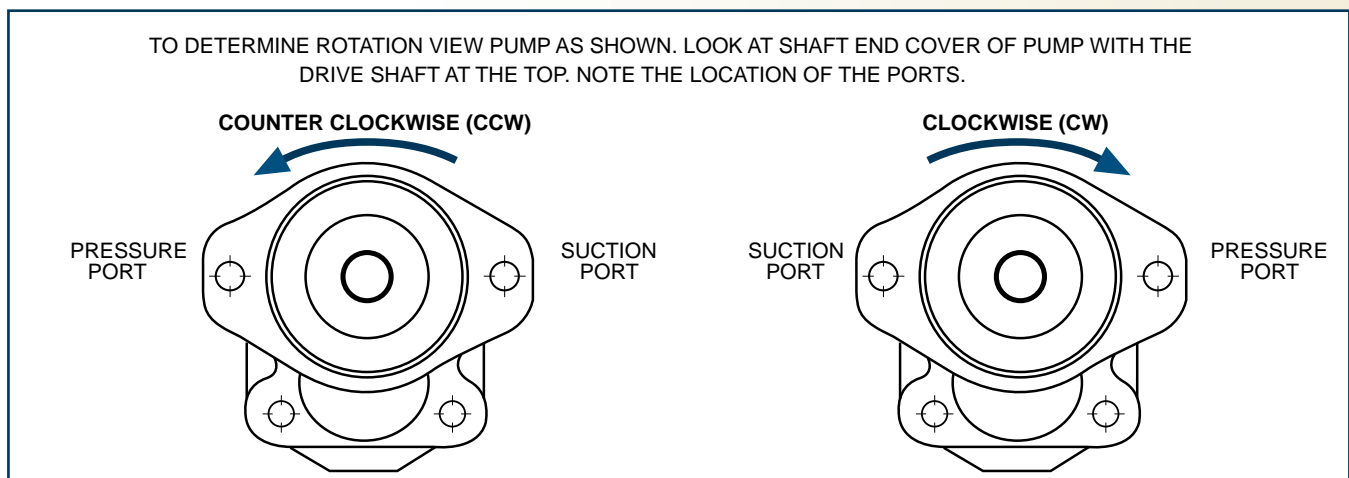
## EXTERNAL - SHAFT END COVER VIEW

	120	131	125	151	176	215	230	250	265
SHAFT BEARING OD	52.00	52.00		68.50	80.00		52.00	68.50	80.00
SCREW IN RETAINER		X							

## INTERNAL

	120	131	125	151	176	215	230	250	265
DOWEL PINS		X		X	X	X	X	X	X
GEAR DIAMETER	53.30	53.30	60.83	60.83	76.10	44.50	53.30	60.83	76.10
ROLLER BEARING OD	43.00	43.00	49.00	49.00	59.00				
ROLLER BEARING ID	27.00	27.00	32.00	32.00	38.10				
BUSH OD					27.10	30.30	37.00	42.30	
BUSH ID					24.30	27.40	33.20	38.50	

## ROTATION



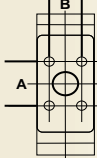
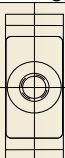

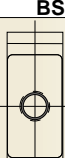
Manufactured in South Africa

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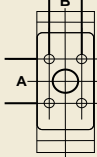
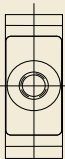


# Porting

## BUSHING PUMP PORTING SUITABILITY

	BEARING CARRIER 1 INLET 1 OUTLET				BEARING CARRIER 1 INLET 2 OUTLET				PORT END COVER - PUMP				PORT END COVER - MOTOR			
	215	230	250	265	215	230	250	265	215	230	250	265	215	230	250	265
<b>SFU /SFM</b>																
	1/2"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3/4"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1 1/4"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1 1/2"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2 1/2"			X	X			X	X							
<b>ODT</b>																
	1/2"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3/4"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	7/8"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1 1/4"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1 1/2"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2"			X	X			X	X							
<b>NPT</b>																
	1/2"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3/4"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1 1/4"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1 1/2"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2"			X	X			X	X							
<b>BSP</b>																
	1/2"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	3/4"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1 1/4"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	1 1/2"	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
	2"			X	X			X	X							

X - FOR INLET ONLY

## PORT IDENTIFICATION

	PORT ID MM	A MM	B MM	PORT HOLE THREAD	BOLT HOLE THREAD (UNC)	BOLT HOLE THREAD (METRIC)
<b>SFU /SFM</b>						
	1/2"	12.70	38.00	17.00	5/16" X 18	M8 X 1.25
	3/4"	19.05	47.63	22.22	3/8" X 16	M10 X 1.5
	1"	25.40	53.37	26.19	3/8" X 16	M10 X 1.5
	1 1/4"	31.75	58.75	30.17	7/16" X 14	M10 X 1.5
	1 1/2"	38.10	69.85	36.53	1/2" X 13	M12 X 1.75
	2"	50.80	76.20	44.45	1/2" X 13	M12 X 1.75
	2 1/2"	63.50	88.90	50.80	1/2" X 13	M12 X 1.75
<b>ODT</b>						
	1/2"	17.50			3/4" X 16 UNF	
	3/4"	25.40			1 1/16" X 12 UNF	
	7/8"	28.00			1 3/16" X 12 UNF	
	1"	31.00			1 5/16" X 12 UNF	
	1 1/4"	39.00			1 5/8" X 12 UNF	
	1 1/2"	45.50			1 7/8" X 12 UNF	
<b>NPT</b>						
	1/2"	18.50			1/2" X 14 NPT	
	3/4"	23.50			3/4" X 14 NPT	
	1"	29.50			1" X 11.5 NPT	
	1 1/4"	38.10			1 1/4" X 11.5 NPT	
	1 1/2"	44.10			1 1/2" X 11.5 NPT	
<b>BSP</b>						
	1/2"	18.50			1/2" X 14 BSPP	
	3/4"	23.50			3/4" X 14 BSPP	
	1"	29.50			1" X 11 BSPP	
	1 1/4"	38.10			1 1/4" X 11 BSPP	
	1 1/2"	44.10			1 1/2" X 11 BSPP	
	2"	57.00			2" X 11 BSPP	

## PORTING ABBREVIATIONS

- NPT** - National Pipe Thread Tapered
- ODT** - SAE Straight Thread (JIC)
- SFU** - Split Flange (UNC)
- SFM** - Split Flange (Metric)
- BSP** - British Standard Pipe

# Porting

## BEARING PUMP PORTING SUITABILITY

SFU / SFM	05		07			10			12			15			17			
	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1 3/4"	1 3/4"	1 3/4"	2"	2"	2"	2 1/4"	2 1/4"	2 1/4"	2 1/2"	2 1/2"	2 1/2"	2 3/4"	
	131	151	131	151	176	131	151	176	131	151	176	131	151	176	131	151	176	
<b>SFU / SFM</b>																		
1/2"	X	X	X	X		X	X											
3/4"					X	X	X	X	X	X								
1"						X	X	X	X	X	X	X	X	X	X	X	X	X
1 1/4"								X	X	X	X	X	X	X	X	X	X	X
1 1/2"												X	X	X	X	X	X	X
2"																		X
2 1/2"																		
<b>ODT</b>																		
1/2"	X	X	X	X	X	X	X	X										
3/4"					X	X	X	X	X	X		X	X				X	X
7/8"					X	X	X	X	X	X	X							
1"					X	X	X	X	X	X	X	X	X	X	X	X	X	X
1 1/4"								X				X	X	X	X	X	X	X
1 1/2"														X	X	X	X	X
<b>NPT</b>																		
1/2"			X	X	X	X	X	X	X	X		X	X				X	X
3/4"						X	X	X	X	X		X	X				X	X
1"						X	X	X	X	X	X	X	X	X	X	X	X	X
1 1/4"											X	X	X	X	X	X	X	X
1 1/2"														X	X	X	X	X
<b>BSP</b>																		
1/2"			X	X	X	X	X	X	X	X		X	X				X	X
3/4"						X	X	X	X	X		X	X				X	X
1"						X	X	X	X	X	X	X	X	X	X	X	X	X
1 1/4"											X	X	X	X	X	X	X	X
1 1/2"														X	X	X	X	X

SFU / SFM	20			22			25			27	30	BEARING CARRIER	BEARING CARRIER	PEC	PEC 4 PORT
	2 3/4"	2 3/4"	3"	3"	3"	3 1/4"	3 1/4"	3 1/4"	3 3/4"	4"	151	176			
	131	151	176	131	151	176	131	151	176	176	176				
<b>SFU / SFM</b>															
1/2"											X	X			
3/4"										X	X	X			
1"	X	X	X								X	X			
1 1/4"	X	X	X	X	X	X	X	X	X	X	X	X			
1 1/2"	X	X	X	X	X	X	X	X	X	X	X	X			
2"	X	X	X	X	X	X	X	X	X	X	X	X			
2 1/2"			X			X	X	X	X	X					
<b>ODT</b>															
1/2"											X	X	X	X	X
3/4"	X	X									X	X	X	X	X
7/8"											X	X	X	X	X
1"	X	X	X								X	X	X	X	X
1 1/4"	X	X		X	X						X	X	X	X	X
1 1/2"	X	X		X	X						X	X	X	X	X
<b>NPT</b>															
1/2"											X	X	X	X	X
3/4"	X	X									X	X	X	X	X
1"	X	X		X	X						X	X	X	X	X
1 1/4"	X	X		X	X						X	X	X	X	X
1 1/2"	X	X		X	X						X	X	X	X	X
<b>BSP</b>															
1/2"											X	X	X	X	X
3/4"	X	X									X	X	X	X	X
1"	X	X		X	X						X	X	X	X	X
1 1/4"	X	X		X	X						X	X	X	X	X
1 1/2"	X	X		X	X						X	X	X	X	X

# PTO Truck Pumps



# PTO Truck Pumps

Manufactured in South Africa

## PTO TRUCK PUMP DIMENSIONS

SHAFT SIZES  
Ø36  
8 SPLINE

DIN

SHAFT SIZES  
Ø24.635  
6 SPLINE

UNI

SHAFT SIZES  
Ø22.047  
8 SPLINE

AUS

SHAFT SIZES  
7/8" DIAMETER  
13 SPLINE

SAE B

SEE PORT SIZES OPPOSITE

CLOCKWISE  
R

ANTI CLOCKWISE  
L

DIMENSIONS (MM)

TYPE	A				B	C	D
	DIN	UNI	AUS	SAE B			
24	164	170	181	163	98	83	143
32	170	176	188	169	98	89	143
40	177	183	194	175	98	96	143
48	183	189	200	182	98	102	143
52	177	183	194	185	106	96	157
62	183	189	200	191	106	102	157
73	194	200	214	184	115	104	172
80	197	203	217	187	115	107	172
88	200	206	220	190	115	110	172
102	206	212	226	196	115	116	172
118	213	219	233	203	115	123	172
132	219	225	239	209	115	129	172
147	226	232	246	216	115	136	172

- Working Pressure up to 300 BAR
- High Strength Steel Gears
- Quality Compacted Graphite Bodies
- Heavy Duty Bushing Design
- Pressure Balanced Thrust Plates
- Interchangeable Parts

Manufactured in South Africa

## PTO TRUCK RANGE

	CODE									
	07	10	12	13	15	17	20	22	25	
<b>FRAME GP230</b>										
<b>PART NUMBER</b>										
GEAR SIZE (IN)										
DISPLACEMENT (CM <sup>3</sup> /REV)										
PRESSURE (BAR)										
INLET PORT (BSPP)										
OUTLET PORT (BSPP x 2)										
WEIGHT (KG) - UNI / DIN										
<b>FRAME GP250</b>										
<b>PART NUMBER</b>										
GEAR SIZE (IN)										
DISPLACEMENT (CM <sup>3</sup> /REV)										
PRESSURE (BAR)										
INLET PORT (BSPP)										
OUTLET PORT (BSPP x 2)										
WEIGHT (KG) - UNI / DIN										
<b>FRAME GP265</b>										
<b>PART NUMBER</b>										
GEAR SIZE (IN)										
DISPLACEMENT (CM <sup>3</sup> /REV)										
PRESSURE (BAR)										
INLET PORT (BSPP)										
OUTLET PORT (BSPP x 2)										
WEIGHT (KG) - UNI / DIN										

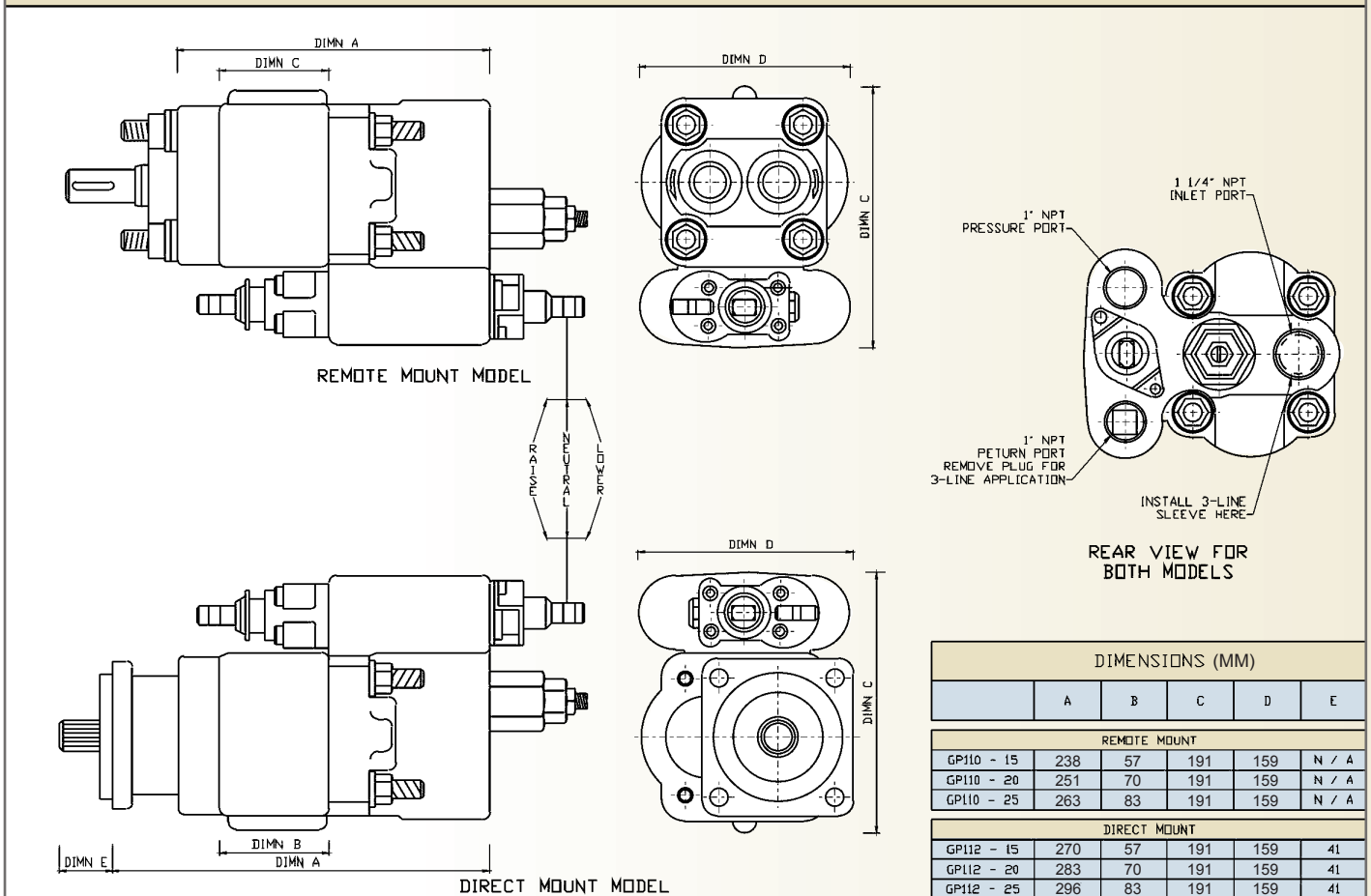
## Pump Specifications

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# Dump Pumps

## \* DUMP PUMP DIMENSIONS

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DIMENSIONS (MM)					
	A	B	C	D	E
REMOTE MOUNT					
GP110 - 15	238	57	191	159	N / A
GP110 - 20	251	70	191	159	N / A
GP110 - 25	263	83	191	159	N / A
DIRECT MOUNT					
GP112 - 15	270	57	191	159	41
GP112 - 20	283	70	191	159	41
GP112 - 25	296	83	191	159	41

## CODE

Manufactured in South Africa

### \* DUMP PUMP RANGE

	15	20	22	25
<b>REMOTE MOUNT / TWIN SHAFT - mounting bracket optional</b>				
<b>PART NUMBER</b>	<b>GP110-15</b>	<b>GP110-20</b>		<b>GP110-25</b>
GEAR SIZE (IN)	1.50	2.00		2.50
DISPLACEMENT (CM <sup>3</sup> /REV)	62.6	83.5		104.4
PRESSURE (BAR)	172	172		172
INLET PORT (NPT)	1.25	1.25		1.25
OUTLET PORT (NPT)	1.00	1.00		1.00
WEIGHT (KG)	27.5	28.5		29.5

	15	20	22	25
<b>DIRECT MOUNT SAE B/13 SPLINE</b>				
<b>PART NUMBER</b>	<b>GP112-15</b>	<b>GP112-20</b>		<b>GP112-25</b>
GEAR SIZE (IN)	1.50	2.00		2.50
DISPLACEMENT (CM <sup>3</sup> /REV)	62.6	83.5		104.4
PRESSURE (BAR)	172	172		172
INLET PORT (NPT)	1.25	1.25		1.25
OUTLET PORT (NPT)	1.00	1.00		1.00
WEIGHT (KG)	29	30		31

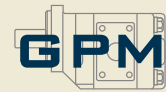
	20	22	25
<b>PAD MOUNT / TWIN SHAFT</b>			
<b>PART NUMBER</b>	<b>GP113-20</b>	<b>GP113-22</b>	<b>GP113-25</b>
GEAR SIZE (IN)	2.00	2.25	2.50
DISPLACEMENT (CM <sup>3</sup> /REV)	83.5	94.0	104.4
PRESSURE (BAR)	172	172	172
INLET PORT (NPT)	1.50	1.50	1.50
OUTLET PORT (ODT)	0.75	0.75	0.75
WEIGHT (KG)	20.5	21.5	22.5

Type	Series	Displacement Code	Shift Options	Rotation
GP	110	15	S	L
	112	20	M	R
	113	22	A	B
		25		

GP= pump	110 = remote mount	15 = 62.6	S = standard	L = counterclock
	112 = direct mount	20 = 83.5	M = manual	R = clock
	113 = pad mount	22 = 94.0	A = air	B = bi rotation
		25 = 104.4		

Example : GP112-25-M-L

THE ABOVE DATA ARE AVERAGE RESULTS BASED ON A SERIES OF TESTS AND ARE NOT NECESSARILY REPRESENTATIVE OF ANY SINGLE UNIT. GEAR PUMP MANUFACTURING RESERVES THE RIGHT TO AMEND THE TECHNICAL DATA WITHOUT NOTICE.



# W a r r a n t y

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Gear Pump Manufacturing, hereinafter referred to as "GPM" warrants all of its products to be free from defect in material and workmanship, for a period of six (6) months from the date of delivery.

## L i m i t a t i o n s

This warranty is expressly in lieu of any other warranties expressed or implied including any warranty of fitness for a particular purpose. The purchasers' sole and exclusive remedy under this warranty shall be limited to the repair, replacement or exchange of warranted products at our option, F.O.B. GPM factory.

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