**PRICE GUIDE: M-10 EFFECTIVE: 07-01-04** Supersedes: M-1N 7-01-03 Product Group K PRO-PAS L

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## **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MG-340 and MG-360 Series N	IARINE TRANSI	/IISSIO	NS				
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEI kg	GHT (Lbs)	LIST	PRICE
MG-340 (TM40) Vertical Offset, Aluminum Housing with Following Standard Equipment: - Mechanical Control Valve	IT40TD0002	1.45:1 2.00:1 2.60:1	See options	8.80	(19)	US\$	633.49
MG-360 (TM60) Vertical Offset, Aluminum Housing with Following Standard Equipment: - Mechanical Control Valve	IT60TD0002	1.52:1 2.00:1 2.50:1 2.94:1	See options	14	(31)	US\$	914.34

### **Important Notes:**

Twin Disc MG-340 and MG-360 marine transmission **CANNOT** be used on engine with left-hand rotation. Ratios listed are forward drive.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-340 and MG-360 Series ACC	ESSORIE	S					
DESCRIPTION	DRAWING	WE	IGHT	LIST	PRICE	FIEL	.D KIT
	NUMBER	kg	(Lbs)	AD	DER	NUMBER	LIST PRICE
Input Housings							
MG-340 and MG-360 BW (Borg Warner) Bell Housing	IT1070162	0.8	(2)	US\$	36.59	TBA	TBA
MG-340 and MG-360 SAE#5 Bell Housing	IT1070163	6.8	(15)	US\$	75.60	TBA	TBA
MG-360 SAE#4 Bell Housing	IT1070164	8.0	(18)	US\$	81.29	TBA	TBA
Torsional Couplings							
MG-340 and MG-360 Damper Plate	IT2062144	0.8	(2)	US\$	65.39	TBA	TBA
Control Cable Bracket							
MG-340 Cable Bracket	IT1065003	0.3	(1)	US\$	12.83	TBA	TBA
MG-360 Cable Bracket	IT1065002	0.3	(1)	US\$	13.20	TBA	TBA
Extra Pulley							
MG-360 Only	IT1051022	0.3	(1)	US\$	27.60	TBA	TBA
Heat Exchanger							
Heat exchanger for MG-360 only							
- For Raw Water; Water Flow Rate: 20.4 l/min (5.4 gpm), 43°C (109° F) max. water temp. (20mm c		0.3	(1)	US\$	30.00	TBA	TBA
- For Raw Water; Water Flow Rate: 20.4 l/min ( 5.4 gpm), 43°C ( 109° F) max. water temp. (25mm c	or IT1023036	0.4	(1)	US\$	30.00	TBA	TBA
Service / Operators Manual	•						
- for MG-340	1019689			Inc	luded		
- for MG-360	1019690			Inc	luded		

### Important Notes:

Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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## **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5005 A Series MARINE TRANSMISSIONS										
MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO		WE	IGHT	LIST	PRICE			
	NUMBER		HSG	kg	(Lbs)					
MG-5005 A (TM345A) 8° Down Angle, Aluminum Housing with Following Standard Equipment: - Mechanical Control Valve - Borg Warner Housing	IT345ATD0001	1.54:1 2.00:1 2.47:1	See options	25	(55)	US\$	1,596.71			

Important Notes:
Twin Disc MG-5005 A marine transmission CANNOT be used on engine with left-hand rotation.
Ratios listed are for forward and reverse drive.

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MG-5005 A Series ACCE	SSORIES						
DESCRIPTION	DRAWING	WE	GHT	LIST	PRICE	FIELI	
	NUMBER	kg	(Lbs)	AE	DDER	NUMBER	LIST PRICE
Input Housings							
SAE #5 Bell Housing	IT1070142	2.3	(5)	US\$	70.02	TBA	TBA
SAE #5 Bell Housing (For Yanmar Engine)	See note	9.8	(22)	US\$	167.88	TBA	TBA
SAE #4 Bell Housing	IT2011332	7.8	(17)	US\$	71.27	TBA	TBA
SAE #4 Bell Housing (For Yanmar Engine)	IT1070143	7.8	(17)	US\$	71.47	TBA	TBA
SAE #3 Bell Housing	IT2011355					TBA	TBA
- For Yanmar engine use IT1070142 and IT4571002							
Torsional Couplings							
Centa CFDS22 Dual Stage Coupling - 6.5"	IT4648004	2.8	(6)	US\$	227.60	TBA	TBA
Centa CFDS22 Dual Stage Coupling - 7.5"	IT4648005	3.3	(7)	US\$	227.60	TBA	TBA
Centa DS Coupling - For Yanmar 4JH	IT4648053	3.6	(8)	US\$	238.12	TBA	TBA
Centa DS Coupling - For Aifo 8141	IT4648007	3.6	(8)	US\$	291.80	TBA	TBA
Control Cable Bracket							
Cable Bracket for MG-5005 A	IT1065003	0.3	(1)	US\$	12.83	TBA	TBA
Companion Flange							
Companion Flange for MG-5005 A	IT2074040	5.3	(12)	US\$	116.72	TBA	TBA
Hook Evolunger							
Heat Exchanger Heat exchanger for MG-5005 A				1			
- For Raw Water; Water Flow Rate: 80 l/min ( 21 gpm), 30° C ( 86° F) max. water temp.	IT1023041	2.0	(4)	US\$	210.09	TBA	TBA
- For Raw Water, Water Flow Rate. 60 Phillin ( 21 gphil), 50 C ( 66 F) max. Water temp.	111023041	2.0	(4)	USĢ	210.09	IDA	IBA
Trolling Valve	-						
Trolling Valve for MG-5005 A	IT1033004M	2.0	(4)	US\$	320.98	IT1033004*	US\$ 379.34
Service / Operators Manual	1						
- for MG-5005 A	1019691			Inc	luded		
							l

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5012 SC Series MARINE TRANSMISSIONS											
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIST PRICE					
MG-5012 SC (TM93) Vertical offset, Aluminum Housing with Following Standard Equipment: - Mechanical Control Valve	IT93TD0001	1.51:1 2.09:1 2.40:1 2.77:1	See options	53	(117)	US\$ 2,373.					

### **Important Notes:**

Twin Disc MG-5012 SC marine transmission CANNOT be used on engine with left-hand rotation. Ratios listed are for forward and reverse drive.

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MG-5012 SC Series ACCESSO	ORIES						
DESCRIPTION	DRAWING	WEI	GHT	LIST	PRICE	FIEL	D KIT
	NUMBER	kg	(Lbs)	AD	DDER	NUMBER	LIST PRICE
Input Housings							
SAE #3 Bell Housing - 12.5 mm housing depth	IT1070155	14.0	(31)	US\$	89.29	TBA	TBA
SAE #3 Bell Housing - 33 mm housing depth	IT1070157	13.0	(29)	US\$	89.29	TBA	TBA
SAE #4 Bell Housing - 12.5 mm housing depth	IT1070156	10.0	(22)	US\$	77.62	TBA	TBA
SAE #4 Bell Housing - 33 mm housing depth	IT1070158	9.4	(21)	US\$	77.62	TBA	TBA
SAE #4 Bell Housing - 50 mm housing depth - For Yanmar 4LH	IT1070144	11.0	(24)	US\$	77.62	TBA	TBA
BW Bell Housing - 13.5 mm housing depth	IT1070097	5.0	(11)	US\$	64.77	TBA	TBA
BW Bell Housing - 30 mm housing depth	IT1070131	4.2	(9)	US\$	71.20	TBA	TBA
Torsional Couplings							
Centa CFDS25 Dual Stage Coupling - 10"	IT4648018	3.4	(7)	US\$	295.81	TBA	TBA
Centa CFDS25 Dual Stage Coupling - 11.5"	IT4648019	3.6	(8)	US\$	220.02	TBA	
Centa CFDS22 Coupling - For Yanmar 4LH	IT4648054	3.3	(7)	US\$	238.11	TBA	ТВА
Control Cable Bracket							
Cable Bracket for MG-5012 SC	IT1065003	0.3	(1)	US\$	12.83	TBA	ТВА
Companion Flange							
Companion Flange for MG-5012 SC	IT1068001	5.5	(12)	US\$	116.72	ТВА	ТВА
Heat Exchanger							
Heat exchanger for MG-5012 SC							
- For Raw Water; Water Flow Rate: 120 l/min ( 31 gpm ), 30° C ( 86° F) max. water temp.	IT1023023	7.4	(16)	US\$	358.34	TBA	TBA
- For Raw Water; Water Flow Rate: 120 l/min ( 31 gpm ), 30° C ( 86° F) max. water temp. (for Yanmar	IT1023043	7.7	(17)	US\$	358.34	TBA	TBA
Trolling Valve							
Trolling Valve for MG-5012 SC	IT103300101M	6.0	(13)	US\$	373.51	IT103300101*	US\$ 440.62
Service / Operators Manual		•					
- for MG-5012 SC	1020545			Inc	luded		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5015 A Series MARINE TRANSMISSIONS											
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIS	T PRICE				
MG-5015 A (TM545A) 8° Down Angle, Aluminum Housing with Following Standard Equipment: - Mechanical Control Valve	IT545ATD0002	1.51:1 2.09:1 2.40:1	See options	36	(79)	US\$	1,921.4				

### **Important Notes:**

Twin Disc MG-5015 A marine transmission CANNOT be used on engine with left-hand rotation. Ratios listed are for forward and reverse drive.

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MG-5015 A Series ACCESSO	DRIES						
DESCRIPTION	DRAWING	WEI	GHT	LIST	PRICE	FIEL	D KIT
	NUMBER	kg	(Lbs)	AD	DDER	NUMBER	LIST PRICE
Input Housings							
SAE #3 Bell Housing - 12.5 mm housing depth	IT1070155	14.0	(31)	US\$	89.29	TBA	TBA
SAE #3 Bell Housing - 33 mm housing depth	IT1070157	13.0	(29)	US\$	89.29	TBA	TBA
SAE #4 Bell Housing - 12.5 mm housing depth	IT1070156	10.0	(22)	US\$	77.62	TBA	TBA
SAE #4 Bell Housing - 33 mm housing depth	IT1070158	9.4	(21)	US\$	77.62	TBA	TBA
SAE #4 Bell Housing - For Yanmar 4LH	IT1070144	11.0	(24)	US\$	77.62	TBA	TBA
BW Bell Housing - 13.5 mm housing depth	IT1070097	5.0	(11)	US\$	64.77	TBA	TBA
BW Bell Housing - 30 mm housing depth	IT1070131	4.2	(9)	US\$	71.20	TBA	TBA
Torsional Couplings							
Centa CFDS25 Dual Stage Coupling - 10"	IT4648018	3.4	(7)	US\$	295.81	TBA	TBA
Centa CFDS25 Dual Stage Coupling - 11.5"	IT4648019	3.6	(8)	US\$	220.02	TBA	TBA
Centa CFDS22 Coupling - For Yanmar 4LH	IT4648054	3.3	(7)	US\$	238.11	TBA	TBA
3 · · · · ·			( )				
Control Cable Bracket							
Cable Bracket for MG-5015 A	IT1065003	0.3	(1)	US\$	12.83	ТВА	TBA
Companion Flange							
Companion Flange for MG-5015 A	IT1068001	5.5	(12)	US\$	116.72	TBA	TBA
Heat Exchanger							
Heat exchanger for MG-5015 A							
- For Raw Water; Water Flow Rate: 120 l/min ( 31 gpm), 30° C ( 85° F) max. water temp.	IT1023023	7.4	(16)	US\$	358.34	TBA	TBA
- For Raw Water; Water Flow Rate: 120 I/min ( 31 gpm), 30° C ( 85° F) max. water temp. (For Yanmar	IT1023043	7.7	(17)	US\$	358.34	TBA	TBA
Trolling Valve	<u> </u>			<u> </u>			
Trolling Valve for MG-5015 A	IT103300101M	6.0	(13)	US\$	373.51	IT103300101*	US\$ 440.62
Service / Operators Manual							
- for MG-5015 A	1019692			Inc	luded		1

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5020 SC Series MARINE TRANSMISSIONS											
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIS	T PRICE				
MG-5020 SC (TM170) Vertical offset, Aluminum Housing with Following Standard Equipment: - Mechanical Control Valve	IT170TD0001	1.50:1 2.04:1 2.50:1 2.94:1	See options	75	(165)	US\$	2,730.00				

### **Important Notes:**

Twin Disc MG-5020 SC marine transmission CANNOT be used on engine with left-hand rotation. Ratios listed are for forward and reverse drive.

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MG-5020 SC Series ACCES	SSORIES						
DESCRIPTION	DRAWING	WEI	GHT	LIST	PRICE	FIEL	D KIT
	NUMBER	kg	(Lbs)	ΑE	DDER	NUMBER	LIST PRICE
Input Housings	•						
SAE #3 Bell Housing - 12.5 mm housing depth	IT1070155	14.0	(31)	US\$	89.29	TBA	TBA
SAE #3 Bell Housing - 33 mm housing depth	IT1070157	13.0	(29)	US\$	89.29	TBA	TBA
SAE #3 Cat Bell Housing	IT1070161	15.0	(33)	US\$	202.84	TBA	TBA
SAE #3 Bell Housing - For Yanmar	IT1070154	14.0	(31)	US\$	84.16	TBA	TBA
SAE #4 Bell Housing - 12.5 mm housing depth	IT1070156	10.0	(22)	US\$	77.62	TBA	TBA
SAE #4 Bell Housing - 33 mm housing depth	IT1070158	9.4	(21)	US\$	77.62	TBA	TBA
BW Bell Housing - 13.5 mm housing depth	IT1070097	5.0	(11)	US\$	64.77	TBA	TBA
BW Bell Housing - 30 mm housing depth	IT1070131	4.2	(9)	US\$	71.20	TBA	TBA
Torsional Couplings							
Centa CFDS30 Dual Stage Coupling - 11.5"	IT4648020	5.4	(12)	US\$	272.36	TBA	TBA
Centa CFDS30 Dual Stage Coupling - For Yanmar	IT4648021	5.4	(12)	US\$	271.23	TBA	TBA
Rubber Block Drive Coupling - 11.5"	TBA			US\$	218.26	TBA	TBA
Control Cable Bracket							
Cable Bracket for MG-5020 SC	IT1065005	0.3	(1)	US\$	12.83	TBA	TBA
Companion Flange							
Companion Flange for MG-5020 SC	IT1068001	5.5	(12)	US\$	116.72	TBA	TBA
Heat Exchanger							
Heat exchanger for MG-5020 SC - For Raw Water; Water Flow Rate: 120 l/min ( 31 gpm), 30° C ( 85° F) max. water temp.	IT1023023	7.4	(16)	US\$	358.34	TBA	ТВА
Trolling Valve							
Trolling Valve for MG-5020 SC	IT103300201M	6.0	(13)	US\$	373.51	IT103300201*	US\$ 440.62
Service / Operators Manual				l			
- for MG-5020 SC	1020547			Inc	luded		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5055 A Series MARINE TRANSMISSIONS											
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEI kg	GHT (Lbs)	LIST	Γ PRICE				
MG-5055 A (TM880A)  10° Down Angle, Aluminum Housing with Following Standard Equipment:  - Mechanical Control Valve	IT880ATD0002	1.53:1 2.08:1 2.60:1	See options	54	(119)	US\$	2,673.93				

### **Important Notes:**

Twin Disc MG-5055 A marine transmission CANNOT be used on engine with left-hand rotation. Ratios listed are for forward and reverse drive.

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MG-5055 A Series ACCESS	ORIES						
DESCRIPTION	DRAWING	WEI	GHT	LIST	PRICE	FIELI	D KIT
	NUMBER	kg	(Lbs)	ΑE	DDER	NUMBER	LIST PRICE
Input Housings	•						
SAE #3 Bell Housing - 12.5 mm housing depth	IT1070155	14.0	(31)	US\$	89.29	TBA	TBA
SAE #3 Bell Housing - 33 mm housing depth	IT1070157	13.0	(29)	US\$	89.29	TBA	TBA
SAE #3 Cat Bell Housing	IT1070161	15.0	(33)	US\$	202.84	TBA	TBA
SAE #3 Bell Housing - For Yanmar	IT1070154	14.0	(31)	US\$	84.16	TBA	TBA
SAE #4 Bell Housing - 12.5 mm housing depth	IT1070156	10.0	(22)	US\$	77.62	TBA	TBA
SAE #4 Bell Housing - 33 mm housing depth	IT1070158	9.4	(21)	US\$	77.62	TBA	TBA
BW Bell Housing - 13.5 mm housing depth	IT1070097	5.0	(11)	US\$	64.77	TBA	TBA
BW Bell Housing - 30 mm housing depth	IT1070131	4.2	(9)	US\$	71.20	TBA	TBA
Torsional Couplings							
Centa CFDS30 Dual Stage Coupling - 11.5"	IT4648020	5.4	(12)	US\$	272.36	TBA	TBA
Centa CFDS30 Dual Stage Coupling - For Yanmar	IT4648021	5.4	(12)	US\$	271.23	TBA	TBA
Rubber Block Drive Coupling - 11.5"	TBA			US\$	218.26	TBA	TBA
Control Cable Bracket							
Cable Bracket for MG-5055 A	IT1065005	0.3	(1)	US\$	12.83	TBA	TBA
Companion Flange							
Companion Flange for MG-5055 A	IT1068001	5.5	(12)	US\$	116.72	TBA	TBA
Heat Exchanger							
Heat exchanger for MG-5055 A - For Raw Water; Water Flow Rate: 120 l/min ( 31 gpm), 30° C ( 85° F) max. water temp.	IT1023023	7.4	(16)	US\$	358.34	TBA	TBA
Trolling Valve							
Trolling Valve for MG-5055 A	IT103300701M	6.0	(13)	US\$	373.51	IT103300701*	US\$ 440.62
Service / Operators Manual	<u> </u>	L					
- for MG-5055 A	1019693			Inc	luded		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5010 and MG-5011 Series MARII	NE TRANS	SMISSI	ONS				
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIST	PRICE
MG-5010 DC  Vertical Offset, C.I. Housing Marine Transmission with Following Standard Equipment:  - Without Housing or Flexible Coupling  - Mechanical Control Valve	PX-9400	3.00:1 3.52:1 4.00:1	See options	75	(165)	US\$	4,216
MG-5011 SC Vertical Offset, C.I. Housing Marine Transmission with Following Standard Equipment: - Without Housing or Flexible Coupling - Mechanical Control Valve	PX-10270	1.11:1 1.50:1 2.00:1 2.44:1	See options	49	(108)	US\$	2,633
MG-5011 A  10° Down Angle, C.I. Housing Marine Transmission with Following Standard Equipment:  - Without Housing or Flexible Coupling  - Mechanical Control Valve	PX-9999	1.44:1 1.90:1 2.39:1	See options	49	(108)	US\$	2,633
MG-5011 IV Integral V-Drive, 15° Down Angle, Marine Transmission with Following Standard Equipment: - Without Housing or Flexible Coupling - Mechanical Control Valve - Companion Flange	PX-10290	1.14:1 1.54:1 2.06:1 2.51:1	See options	77	(170)	US\$	3,763

### **Important Notes:**

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required.

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MG-5010 and MG-5011 Series A	CCESSORIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE		D KIT
land Handa	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Input Housing SAE #4	1003412	5.0 (11)	US\$ 322.00		
SAE #4 (For MG-5011 IV)	P-9139	5.0 (11)	US\$ 322.00		
SAE #3	XB5690D	6.0 (13)	US\$ 260.00		
SAE #3 (For MG-5011 IV)	P-9138	6.0 (13)	US\$ 260.00		
SAE #3 for Caterpillar	XB5690E	6.0 (13)	US\$ 263.00		
Borg Warner (MG5010DC, MG5011A and MG5011SC)	PX-9156	5.0 (11)	US\$ 178.00		
Borg Warner (MG5011IV)	PX-9156	5.0 (11)	US\$ 191.00		
Special housing for Yanmar 4LH engine (For MG-5011A/SC)	P-11258	6.0 (13)	US\$ 201.00		
Torsional Couplings					
Spring Damper (Maximum Torque Rating: 636 Nm / 469 lb ft.)	PX-11999		US\$ 362.00		
Non-Silicon Vulkardan E-2410 Series for 10" Flywheel (SAE J620 size 255)	PX-9663 Series		US\$ 152.00		
Non-Silicon Vulkardan E-2410 Series for 11.5" Flywheel (SAE J620 size 290)	PX-8756 Series		US\$ 152.00		
Natural Rubber, Dual Stage Centa CF-DS-25-7 for 11.5" Flywheel (SAE J620 size 290)	PX-10620		US\$ 216.00		
Natural Rubber, Dual Stage Centa CF-DS-22-335 (Use with Yanmar 4LH engine)					
- for MG-5011 A & MG-5011 SC	PX-11259		US\$ 173.00		
Р.Т.О.			1		
Live pump mount PTO - for American Standard 4F17 Splined Pump, maximum 35 Nm	1002678	1.5 (3)	US\$ 246.00	KS 544 *	US\$ 246.00
Pump for live PTO - 1002678	1015335	2.5 (6)	US\$ 494.00		
- for MG-5011 A, MG-5011 SC & MG-5011 IV	1				
Live purps mount DTO CAE L744 size 404 4, 22.4, may 407 Nm (ev. CAE D. 4 holt)	Coo DV 0400	1.0 (4)	LIS\$ 191.00	KC 436 *	US\$ 191.00
Live pump mount PTO - SAE-J-744 size 101-4, 22-4, max. 197 Nm (ex. SAE B, 4-bolt) - for MG-5010 DC	See PX-9400	1.8 (4)	US\$ 181.00	KS 436 *	US\$ 181.00
No clutchable PTO (pump mount or shaft drive) available  Control Valve	NA		1		
Mechanical control valve with rate-of-rise (24.8 bar/360 p.s.i.)	See		Included	TBA	TBA
- for MG-5010 DC	Drawing		moladed	T D/ C	I Dit
Mechanical control valve without rate-of-rise (24.8 bar/360 p.s.i.)	See		Included	TBA	TBA
- for MG5011 A, MG5011 SC and MG-5011 IV	Drawing		moladed	T D/ C	I Dit
<u>Please note:</u> Rate-of-Rise is not available for these mechanical selector valves	Diaming				
Electric control valve (Not Available for MG5010 and MG5011 Series Transmissions)	NA				
Trolling Valve					
Mechanical trolling valve for mechanical selector valve	DV 00-1				
- for MG-5010 DC	PX-8871	2.5 (6)	US\$ 194.00	KS 313 *	US\$ 342.00
Mechanical trolling valve for mechanical selector valve					
- for MG-5011 A, MG-5011 SC and MG-5011 IV	1002676	2.3 (5)	US\$ 367.00	K 1071 *	US\$ 470.00
Oli Eliter					
Oil Filter Unit mounted oil filter	NA				
Companion Flange	1	I	, !		
Companion Flange including bolts and nuts - for MG-5010 DC (1//x" plain bore)	PX-8775A	7.3 (16)	US\$ 222.00		
- for MG-5011 A	1002914	3.2 (7)	US\$ 121.00		
- for MG-5011 AC	1002314	5.0 (11)	US\$ 317.00		
- for MG-5011 IV	PX-9133		Included		
Monitoring (all Models)	D 4700 D	0.5 (4)	LIER CAGO		
Pressure gauge (loose) Temperature gauge and switch (loose)	B-1703-D	0.5 (1)	US\$ 64.00		
Temperature gauge and switch (loose)  Neutral Switch (Normally Open or Normally Closed)	B-3424 PM-10747	0.5 (1)	US\$ 119.00 US\$ 132.00	KS 423	US\$ 182.00
Nedural Switch (NOTHally Open of Nothially Closed)	FIVI-10/4/		US\$ 132.00	NO 423	US\$ 182.00
Heat Exchanger (all Models)	1				
Heat Exchanger for Raw Water, Water Flow Rate: 10 to 30 gpm, 85° F Max. Water Temperature	M-1959-P	3.2 (7)	US\$ 210.00	K 86	US\$ 316.20
Heat Exchanger for Fresh Water, Water Flow Rate: 20 to 30 gpm, 165° F Max. Water Temperature	M-1959-E	4.0 (9)	US\$ 255.00	K 85	US\$ 316.20
(heat exchangers include mounting bracket, hoses and fittings)	1		[		
Mounting Brackets					
- for MG-5011 A and MG-5011 SC (steel fabricated)	1016428-U	5.0 (12)	US\$ 230.00		
- for MG-5010 DC and MG-5011 IV	NA		[		
Service Manuals					
- for MG-5010 DC			US\$ 60.00		
	1019019		US\$ 60.00		1
- for MG-5011 A					
- for MG-5011 A - for MG-5011 SC - for MG-5011 IV	1017585 1019761		US\$ 60.00 US\$ 60.00		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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## **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WF	IGHT	LIST	PRICE
MODEL / MOD CITATION EQUIL MEITT	NUMBER	101110	HSG	kg	(Lbs)	Lioi	THOL
MG-5050 SC		1.00:1					
Vertical Offset Marine Transmission with Following Standard Equipment:		1.23:1	SAE 1 2)	107	(236)	US\$	4,19
- SAE J617 Housing No. 1, No. 2, No. 3 OR Special CAT SAE No. 3	PX-8575	1.53:1	SAE 2	97	(214)	US\$	3,854
- Flexible Coupling for 14" <b>OR</b> 11.5" Flywheel (SAE J620 size 355 <b>OR</b> 290):	PX-8575-A <sup>1)</sup>	1.71:1	SAE 3	95	(209)	US\$	3,854
Non-Silicon Vulkardan E-3210 Series		2.04:1	SAE 3 CAT	95	(209)	US\$	3,957
- Mechanical Control Valve		2.45:1					
- Output Flange Size SAE 3		3.00:1					
MG-5050 A		1.12:1					
10° Down Angle, Marine Transmission with Following Standard Equipment:		1.26:1	SAE 1 2)	101	(222)	US\$	4,19
- SAE J617 Housing No. 1, No. 2, No. 3 OR Special CAT SAE No. 3	PX-8580	1.50:1	SAE 2	91	(200)	US\$	3,854
- Flexible Coupling for 14" OR 11.5" Flywheel (SAE J620 size 355 OR 290):	PX-8580-A <sup>1)</sup>	1.80:1	SAE 3	88	(194)	US\$	3,854
Non-Silicon Vulkardan E-3210 Series		2.04:1	SAE 3 CAT	88	(194)	US\$	3,95
- Mechanical Control Valve		2.50:1					
- Output Flange Size SAE 3							
MG-5050 V		1.12:1					
Remote V-Drive, 7° Down Angle, Marine Transmission with Following Standard Equipment:		1.26:1	Input Flange				
- Input Flange Size GWB 587.15 OR 5C Yoke	PX-8760	1.50:1	GWB 587/15	85	(187)	US\$	4,26
- Mechanical Control Valve		1.80:1					
		2.04:1	5C Yoke	85	(187)	US\$	4,26
		2.50:1					

## Important Notes:

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required.

Please contact Twin Disc for pricing of Borg Warner and Ford input housings
Please contact Twin Disc when MG-5050 Series marine transmissions is used with high speed engines.

<sup>1)</sup> For use with Caterpillar engines having Starter-Over-Gear.

<sup>&</sup>lt;sup>2)</sup> SAE 1 = SAE 2 plus housing adaptor for SAE 1 (ZS-7444)

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	SSORIES							
DESCRIPTION	DRAWING NUMBER	WEIGH kg	IT (Lbs)		PRICE	FIEL NUMBER	D KIT LIST	PRICI
Input Housing Adaptor	1	9	(===)					
Borg Warner Adaptor	PX-9655			US\$	155.00			
Torsional Couplings (all Models)								
Non-Silicon Vulkardan E-3210 Series for 14" Flywheel (SAE J620 size 355)	PX-9323			inc	luded			
Non-Silicon Vulkardan E-3210 Series for 11.5" Flywheel (SAE J620 size 290)	PX-9256			inc	luded			
Natural Rubber, Dual Stage Centa DS-40-7 for 14" Flywheel (SAE J620 size 355)	PX-10087			US\$	205.00			
Natural Rubber, Dual Stage Centa DS-40-7 for 11.5" Flywheel (SAE J620 size 290)	PX-9982			US\$	76.00			
Dual Stage Torflex 1600 DS for 11.5" Flywheel (SAE J620 size 290)	PX-10643							
P.T.O.								
Live pump mount PTO - SAE-J-744 size 101-4, 22-4, max. 197 Nm (ex. SAE B, 4-bolt)								
- for MG-5050 SC & MG-5050 A (for use with mechanical control valve only)	PX-9698-B	1.8	(4)	US\$	270.00	KS 582 *	US\$	270.
- for MG-5050 SC & MG-5050 A (with electric control valve only and after s/n 5GE469)	PX-9698-D	1.8	(4)	US\$	288.00	KS 688 *	US\$	288.
- for MG-5050 V	N/A							
Live pump mount PTO - SAE-J-744 size 101-2, 22-4, max. 197 Nm (ex. SAE B, 2-bolt)	DV 0000 D	4.0	(4)		000.00	1/0 500 +	1100	000
- for MG-5050 SC & MG-5050 A (for use with mechanical control valve only)	PX-9699-B	1.8	(4)	US\$ US\$	230.00	KS 583 * KS 686 *	US\$	230.
- for MG-5050 SC & MG-5050 A (with electric control valve only and after s/n 5GE469) - for MG-5050 V	PX-9699-D N/A	1.8	(4)	05\$	250.00	NS 686	US\$	250.
- 101 MG-3030 V Live pump mount PTO - SAE-J-744 size 82-2, 16-4, max. 35 Nm (ex. SAE A, 2-bolt)	IN/A							
- for MG-5050 SC & MG-5050 A (for use with mechanical control valve only)	PX-11369-A	1.8	(4)	US\$	217.00	KS 602 *	US\$	217.0
- for MG-5050 SC & MG-5050 A (with electric control valve only)	PX-11369-B	1.8	(4)	US\$	221.00	KS 690 *		273.
- for MG-5050 V	N/A		` '					
No clutchable PTO (pump mount or shaft drive) available  Control Valve		]					}	
Mechanical control valve (20.1 bar/320 p.s.i.)	See						1	
- for MG-5050 SC & MG-5050 A	Installation			Sta	indard	KS 547 *	US\$	588.
- for MG-5050 V	Drawing				indard	TBA		ГВА
Electric control valve (20.1 bar/320 p.s.i 24 VDC)								
- for MG-5050 SC & MG-5050 A	PX-10561			US\$	370.00	KS 373 *	US\$	913.
- for MG-5050 V	TBA			Т	ГВА	TBA	1	ГВА
Electric control valve (20.1 bar/320 p.s.i 12 VDC)								
- for MG-5050 SC & MG-5050 A	PX-10561			US\$	370.00	KS 372 *		913.
- for MG-5050 V	TBA			1	ГВА	TBA	1	ГВА
Please note: Rate-of-Rise is standard on all available mechanical and electric selector valves								
Control Cable Bracket for Mechanical Control Valves	I	1						
Control cable support kit incl. cable bracket and connecting parts (loose supply)								
- for MG-5050 SC, MG-5050 A & MG-5050 V	PX-10868	3.0	(7)	US\$	102.00	KS 551 *	US\$	102.0
Trolling								
Mechanical trolling valve for mechanical selector valve								
- for MG-5050 SC, MG-5050 A & MG-5050 V	PX-8871	2.5	(6)	US\$	194.00	KS 313 *	US\$	310.0
Mechanical trolling valve for electric selector valve								
- for MG-5050 SC & MG-5050 A	PX-8871-E	2.5	(6)	US\$	194.00	KS 390 *		310.0
- for MG-5050 V	TBA			1	ГВА	TBA	1	ГВА
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used - for MG-5050 SC, MG-5050 A & MG-5050 V	1020077D	2.4	(E)	US\$	610.00	KS 592 *	LICC	610.0
- 101 MG-5050 SC, MG-5050 A & MG-5050 V	1020077D	2.4	(5)	05\$	610.00	NS 592	US\$	610.
Oil Filter	II.							
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements	PX-11653	2.8	(6)	US\$	320.00			
Companion Flange (all Models)								
Companion Flange including bolts and nuts size SAE 3 (1¼" plain bore)								
- for MG-5050 SC, MG-5050 A & MG-5050 V	PX-8775-A	7.3	(16)	US\$	222.00			
Monitoring (all Models)		<u> </u>		<u> </u>			1	
Pressure gauge (loose)	B-1703-D	0.5	(1)	US\$	64.00		1	
Tessure gauge (1003e) Temperature gauge and switch (loose)	B-3424	0.5	(1)	US\$	119.00			
Security Neutral Switch (normally closed)	PX-12082		` '	US\$	40.00	KS 665 *	US\$	1
Heat Exchanger (all Models)	1	1					<b></b>	
Heat Exchanger for fresh water cooling ((jacket or keel) - for MG-5050 SC, MG-5050 A & MG-5050 V (incl. Mounting bracket, fittings and hoses)	M 1050 F	4.0	(9)	US\$	25F 00	V0= *	LICE	216
- for MG-5050 SC, MG-5050 A & MG-5050 V (Incl. Mounting bracket, fittings and noses)  Heat Exchanger for raw water cooling	M-1959-E	4.0	(3)	USÞ	255.00	K85 *	022	316.
- for MG-5050 SC, MG-5050 A & MG-5050 V (incl. Mounting bracket, fittings and hoses)	M-1959-P	3.2	(7)	US\$	210.00	K86 *	US\$	316.
Heat exchanger with thermostatic bypass valve	1000-1	1	(-)	σσφ	5.55		350	010.
- loose supply, no hoses, fittings nor mounting bracket	PM-10685A	TBA		US\$	564.00	KS 629 *	US\$	564.
- mounted on unit, hoses, fittings and mounting bracket included	PM-10685A	TBA		US\$	874.00	KS 594 *	US\$	874.
Mounting Brackets		]					}	
Mounting Brackets - for MG-5050 SC, MG-5050 A & MG-5050 V (steel fabricated)	1016428-L	14.5	(32)	US\$	260.00		1	
.s 5555 55, INC 5555 F & INC 5555 F (steel labilitation)	1010420-1	14.5	(02)	σσφ	200.00			
Service Manuals		1						
- for MG-5050 SC	1015987			US\$	60.00			
- for MG-5050 A	1015808			US\$	60.00		1	
- for MG-5050 V	TBA			-	ГВА			

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WE	IGHT	LIST	PRICE
	NUMBER		HSG	kg	(Lbs)		
MG-506-1		1.09:1	SAE 1**	129	(284)	on re	equest
Coaxial Marine Transmission with Following Standard Equipment:	XA-7022 A	1.50:1	SAE 2	122	(269)	US\$	5,955
- SAE J617 Housing No. 1, No. 2, No. 3 OR Special CAT SAE No. 3		1.97:1	SAE 3	116	(256)	US\$	5,955
<ul> <li>Rubber Block Drive for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):</li> <li>Mechanical Control Valve</li> </ul>			SAE 3 CAT*	116	(256)	US\$	5,955
- Output Flange Size SAE 3			SAE 1**	134	(295)	on re	equest
	XA-7048 A	2.50:1	SAE 2	120	(264)	US\$	6,170
		2.96:1	SAE 3	117	(258)	US\$	6,170
			SAE 3 CAT*	117	(258)	US\$	6,170

MG-506 series transmissions cannot be used on engines with left-hand rotation.

Important Notes:
\* SAE 3 Special CAT housing for use with Caterpillar engines having "starter over gear" (3116's, 3126's, 3208's)
\*\* SAE 1 = SAE 2 + SAE 1 adapter (P-4205)

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MG-506 Series ACCESS	DRIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIEL	.D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (MG-506-1 & MG-506 A)					
Natural Rubber, Dual Stage Centa DS-40 for 14" Flywheel & SAE 1 hsg. (SAE J620 size 355)	PX-10625		on request	KS 371 *	
Natural Rubber, Dual Stage Centa DS-40 for 11.5" Flywheel & SAE 2 hsg. (SAE J620 size 355)	PX-10478		US\$ 785.00	KS 343 *	
Natural Rubber, Dual Stage Centa DS-40 for 11.5" Flywheel & SAE 3 hsg. (SAE J620 size 290)	PX-10503		US\$ 785.00	KS 347 *	
P.T.O.					
No PTO (live or clutchable, pump mount or shaft drive) available	N/A	N/A	N/A	N/A	N/A
Control Valve		1	ı		
Mechanical control valve (24.8 bar/360 p.s.i.)					
- for MG-506-1 (non rate-of-rise)	XB-5599-A		Standard	TBA	TBA
- for MG-506-1 (rate-of-rise) (360 PSI)	PX-9504		US\$ 392.00	KS 358 *	US\$ 860.00
- for MG-506-1 (rate-of-rise) (320 PSI)	PX-9504		US\$ 392.00	KS 329 *	US\$ 846.00
<u>Please note:</u> Rate-of-Rise is not standard with mechanical selector valves					
No electric valve available for MG-506-1					
Trolling		1			
Mechanical trolling valve for mechanical selector valve (only available for rate-of-rise valve PX-9504)					
- for MG-506-1 (rate-of-rise)	PX-9525		US\$ 716.00	TBA	
- for MG-506-1 (with rate-of-rise + trolling) (360 PSI)	PX-9525			KS 348 *	US\$1,152.00
- for MG-506-1 (with rate-of-rise + trolling) (320 PSI)	PX-9525			KS 317 *	US\$1,155.00
Oil Filter					
No oil filter available	N/A		N/A	N/A	N/A
Companion Flange (all Models)					
Companion Flange including bolts and nuts					
- for MG-506-1 (1-1/4" plain bore)	XA-5225AA	7.3 (16)	US\$ 222.00		
Monitoring (all Models)		1			
Pressure gauge (loose)	B-1703-D	0.5 (1)	US\$ 64.00		
Temperature gauge and switch (loose)	B-3424	0.5 (1)	US\$ 119.00		
Heat Exchanger	1	1	1		
Heat Exchanger for fresh water cooling ((jacket or keel)  - for MG-506-1 (loose supply, incl. fittings, hoses and mounting bracket)	M-1959-E	4.0 (9)	US\$ 255.00	K 85 *	US\$ 316.20
Heat Exchanger for raw water cooling:	1000 E	(0)	200.00	50	010.20
- for MG-506-1 (loose supply, incl. fittings, hoses and mounting bracket)	M-1959-P	4.0 (9)	US\$ 210.00	K 86 *	US\$ 316.20
Mounting Brackets		1	I		
- for MG-506-1 (steel fabricated, 2 brackets needed)	B 3000	2.7 (6)	US\$ 130.00		
Service Manuals		1			
- for MG-506-1	1015715		US\$ 60.00		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5060 Series MARINE TRA							
MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE		GHT	LIST	PRICE
WO 5004 00	NUMBER		HSG	kg	(Lbs)		
MG-5061 SC  Vertical Offset Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1, No. 2, No. 3 <u>OR</u> Special CAT SAE No. 3  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-3210 Series  - Mechanical Control Valve  - Output Flange Size SAE 3	PX-11650 PX-11650A <sup>1</sup>	1.15:1 1.48:1 1.77:1 2.00:1 2.43:1	SAE 1 3) SAE 2 SAE 3 SAE 3 CAT	106 101 99 99	(233) (222) (218) (218)	US\$ US\$ US\$ US\$	5,136 4,796 4,796 4,902
MG-5061 SC  Vertical Offset Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1, No. 2, No. 3 <u>OR</u> Special CAT SAE No. 3  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-3210 Series  - Mechanical Control Valve  - Output Flange Size SAE 3  - Companion Flange Size SAE 3	PX-11650 PX-11650A <sup>1</sup>	3.00:1	SAE 1 3) SAE 2 SAE 3 SAE 3 CAT	106 101 99 99	(233) (222) (218) (218)	US\$ US\$ US\$ US\$	5,382 5,042 5,042 5,148
MG-5061 A 7° Down Angle, Marine Transmission with Following Standard Equipment: - SAE J617 Housing No. 1, No. 2, No. 3 <u>OR</u> Special CAT SAE No. 3 - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290): • Non-Silicon Vulkardan E-3210 Series - Mechanical Control Valve - Output Flange Size SAE 3	PX-11640 PX-11640A <sup>1</sup>	1.13:1 1.28:1 1.54:1 1.75:1 2.00:1 2.47:1	SAE 1 3) SAE 2 SAE 3 SAE 3 CAT	106 101 99 99	(233) (222) (218) (218)	US\$ US\$ US\$ US\$	5,136 4,796 4,796 4,902
MG-5061 V Remote V-Drive, 7° Down Angle, Marine Transmission with Following Standard Equipment: - Input Flange Size GWB 587.15 <u>OR</u> 5C Yoke - Mechanical Control Valve	PX-8735	1.13:1 1.28:1 1.54:1 1.75:1 2.00:1 2.47:1	Input Flange GWB 587/15 5C Yoke	89 89	(196) (196)	US\$ US\$	5,35 5,35
MG-5062 V  ntegral V-Drive, 15° Down Angle, Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1, No. 2, No. 3 <u>OR</u> Special CAT SAE No. 3  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-3210 Series  - Mechanical Control Valve  - Output Flange Size SAE 3	PX-11660 PX-11660A <sup>1</sup>	1.19:1 1.53:1 1.83:1 2.07:1 2.51:1	SAE 1 3) SAE 2 SAE 3 SAE 3 CAT	149 144 142 142	(328) (317) (313) (313)	US\$ US\$ US\$ US\$	6,833 6,493 6,493 6,599

### Important Notes

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required.

Please contact Twin Disc when MG-5060 Series marine transmissions is used with high speed engines.

 $<sup>^{\</sup>rm 1)}$  For use with Caterpillar engines having Starter-Over-Gear.

<sup>&</sup>lt;sup>2)</sup> Companion flange is supplied as standard and is included in the price for MG-5061 SC ratio 3.00:1. High torque rating at output shaft requires a special output flange/ companion flange assembly.

<sup>&</sup>lt;sup>3)</sup> SAE 1 = SAE 2 plus housing adaptor for SAE 1 (ZS-7444)

Please contact Twin Disc for pricing of Borg Warner and Ford input housings

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DRAWI   Not   Science	B 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	88 88	(4) (4) (4) (4) (4)	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	PRICE DER  uded uded 205.00 76.00  270.00 288.00  230.00 250.00  217.00 221.00  andard dard 294.00 294.00 294.00 294.00 294.00 294.00 102.00	KS 318 * KS 307 *  KS 582 * KS 688 *  KS 688 *  KS 686 *  KS 602 * KS 602 * KS 663 *  KS 663 *  KS 621 * TBA KS 627 * KS 625 * TBA KS 626 *	US\$	270.0 288.0 230.0 250.0 217.0 273.0 494.0 451.0 794.0 799.0 794.0 799.0
PX-387   P	B 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	88 88	(4) (4) (4) (4) (4) (4)	US\$	270.00 288.00 230.00 250.00 288.00 230.00 250.00 217.00 221.00 221.00	KS 318 * KS 307 *  KS 582 * KS 688 *  KS 686 *  KS 602 * KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 625 * TBA KS 626 *	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	270.0 288.0 230.0 250.0 217.0 273.0 494.0 794.0 794.0 799.0 794.0 BA
PX-93	B 1.	8888	(4) (4) (4) (4) (4) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	US\$	270.00 288.00 230.00 288.00 230.00 250.00 217.00 221.00 221.00	KS 582 * KS 688 *  KS 688 *  KS 686 *  KS 602 * KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 625 * TBA KS 626 *	US\$	288.0 230.0 250.0 217.0 273.0 494.0 451.0 794.0 799.0 794.0
PX-92 pump mount PTO - SAE-J-744 size 101-4, 22-4, max. 197 Nm (ex. SAE B, 4-bolt) - for MG-5061 SC. MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - N/A - pump mount PTO - SAE-J-744 size 82-2, 16-4, max. 35 Nm (ex. SAE A, 2-bolt) - for MG-5061 SC. MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - N/A - pump mount PTO - SAE-J-744 size 82-2, 16-4, max. 35 Nm (ex. SAE A, 2-bolt) - for MG-5061 SC. MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC. MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC. MG-5061 A	B 1.	88 88	(4) (4) (4) (4) (4) (4)	US\$	270.00 288.00 230.00 288.00 230.00 250.00 217.00 221.00 221.00	KS 582 * KS 688 *  KS 688 *  KS 686 *  KS 602 * KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 625 * TBA KS 626 *	US\$	288.0 230.0 250.0 217.0 273.0 494.0 451.0 794.0 799.0 794.0
PX-989	2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	88 88 88 88 88 88 88 88 88 88 88 88 88	(4) (4) (4) (4) (4) (4) (5)	US\$	76.00 270.00 288.00 230.00 250.00 217.00 221.00  andard andard 294.00 294.00 294.00 294.00 294.00	KS 582 * KS 688 *  KS 688 *  KS 686 *  KS 602 * KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 625 * TBA KS 626 *	US\$	288.0 230.0 250.0 217.0 273.0 494.0 451.0 794.0 799.0 794.0
### P.	B 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	8888	(4) (4) (4) (4) (4) (5) (6) (6) (6) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	US\$ US\$ US\$ US\$ US\$ US\$ US\$	270.00 288.00 230.00 250.00 217.00 221.00 221.00 294.00 294.00 294.00 294.00 294.00	KS 582 * KS 688 *  KS 583 * KS 686 *  KS 602 * KS 690 *  KS 663 *  KS 622 * KS 663 *  KS 621 * TBA KS 627 * KS 625 * TBA KS 626 *	US\$	288.0 230.0 250.0 217.0 273.0 494.0 451.0 794.0 799.0 794.0
e pump mount PTO - SAE-J-744 size 101-4, 22-4, max. 197 Nm (ex. SAE B, 4-bolt) - for MG-5061 SC, MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5061 A MG-5061 A MG-5061 SC & MG-5061 A MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V	B 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	888	(4) (4) (4) (4) · · · · · · · · · · · · · · · · · · ·	US\$ US\$ US\$ US\$ US\$ US\$ US\$	288.00 230.00 250.00 217.00 221.00 221.00 andard andard 294.00 294.00 294.00 294.00 294.00	KS 688 *  KS 583 * KS 686 *  KS 602 * KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 625 * TBA KS 626 *	US\$	288.0 230.0 250.0 217.0 273.0 494.0 451.0 794.0 799.0 794.0
e pump mount PTO - SAE-J-744 size 101-4, 22-4, max. 197 Nm (ex. SAE B, 4-bolt) - for MG-5061 SC, MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5061 A MG-5062 V - for MG-5061 SC & MG-5061 A MG-5061 A MG-5061 A MG-5061 SC & MG-5061 A MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V	B 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	888	(4) (4) (4) (4) · · · · · · · · · · · · · · · · · · ·	US\$ US\$ US\$ US\$ US\$ US\$ US\$	288.00 230.00 250.00 217.00 221.00 221.00 andard andard 294.00 294.00 294.00 294.00 294.00	KS 688 *  KS 583 * KS 686 *  KS 602 * KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 625 * TBA KS 626 *	US\$	288.0 230.0 250.0 217.0 273.0 494.0 451.0 794.0 799.0 794.0
For MG-5061 SC, MG-5061 A & MG-5062 V (for use with mechanical control valve)	B 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	888	(4) (4) (4) (4) (5) (6) (6) (6) (6) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	US\$ US\$ US\$ US\$ US\$ US\$ US\$	288.00 230.00 250.00 217.00 221.00 221.00 andard andard 294.00 294.00 294.00 294.00 294.00	KS 688 *  KS 583 * KS 686 *  KS 602 * KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 625 * TBA KS 626 *	US\$	288.0 230.0 250.0 217.0 273.0 494.0 451.0 794.0 799.0 794.0
For MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469)   PX-969   For MG-5061 V	B 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	88 88	(4) (4) (4) (4) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	US\$	230.00 250.00 217.00 221.00 221.00 andard dard 294.00 294.00 294.00 294.00 294.00 294.00	KS 583 * KS 686 *  KS 602 * KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 625 * TBA KS 626 *	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	230.0 250.0 217.0 273.0 494.0 451.0 794.0 799.0
For MG-5061 V   PX-969   PX-	DD 1A 1B 1DD 1A 1B 1.		(4) (4) (4) (4) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	250.00 217.00 221.00 221.00 andard andard 294.00 294.00 294.00 294.00 294.00 294.00	KS 686 *  KS 602 *  KS 690 *  KS 622 *  KS 663 *  KS 621 *  TBA  KS 625 *  TBA  KS 626 *	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	250.0 217.0 273.0 494.0 451.0 794.0 794.0 794.0 794.0
- for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) and s/n after 5GE469) - for MG-5061 V MG-5061 V With electric control valve and s/n after 5GE469) - for MG-5061 V With electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 V With electric control valve - for MG-5061 V With electric electric electric electric valve - for MG-5061 V With electric electric electric valve - for MG-5061 V With electric electro valve - fo	DD 1A 1B 1DD 1A 1B 1.		(4) (4) (4) (4) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	250.00 217.00 221.00 221.00 andard andard 294.00 294.00 294.00 294.00 294.00 294.00	KS 686 *  KS 602 *  KS 690 *  KS 622 *  KS 663 *  KS 621 *  TBA  KS 625 *  TBA  KS 626 *	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	250.0 217.0 273.0 494.0 451.0 794.0 794.0 794.0 794.0
- for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve and s/n after 5GE469) - for MG-5061 SC, MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 V - clutchable PTO (pump mount or shaft drive) available - mtrol Valve - chanical control valve (20.1 bar/320 p.s.i.) - for MG-5061 V S & MG-5061 A - for MG-5061 V BMG-5062 V - for MG-5061 SC & MG-5061 A - for MG-5062 V - for MG-5061 SC, MG-5061 A - for MG-5062 V - for MG-5062 V - for MG-5061 V BMG-5061 V BMG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V BMG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V BMG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V BMG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V BMG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V BMG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V BMG-5062 V - for MG-5061 SC, MG-5061 A BMG-5061 V BMG-	DD 1A 1B 1DD 1A 1B 1.		(4) (4) (4) (4) (5) (6) (6) (6) (6) (6) (6) (6) (6) (6) (6	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	250.00 217.00 221.00 221.00 andard andard 294.00 294.00 294.00 294.00 294.00 294.00	KS 686 *  KS 602 *  KS 690 *  KS 622 *  KS 663 *  KS 621 *  TBA  KS 625 *  TBA  KS 626 *	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	250.0 217.0 273.0 494.0 451.0 794.0 794.0 794.0 794.0
- for MG-5061 V  - pump mount PTO - SAE-J-744 size 82-2, 16-4, max. 35 Nm (ex. SAE A, 2-bolt)  - for MG-5061 SC, MG-5061 A & MG-5062 V (for use with mechanical control valve)  - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve)  - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve)  - for MG-5061 V  - for MG-5062 V  - for MG-5061 V  - for MG-5061 V  - for MG-5061 V  - for MG-5061 V  - for MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5061 V (MG-5061 V (M	A-A 1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1  1.		(4) (4)	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	217.00 221.00 221.00 andard ndard 294.00 294.00 294.00 294.00	KS 602 * KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 627 *  KS 625 * TBA KS 626 *	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	217.0 273.0 494.0 451.0 794.0 799.0 794.0
e pump mount PTO - SAE-J-744 size 82-2, 16-4, max. 35 Nm (ex. SAE A, 2-bolt) - for MG-5061 SC, MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5061 A & MG-5061 V & MG-5	8 3.		(4) (4) (4)	Sta Sta US\$ US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00 294.00 294.00 294.00	KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 627 *  KS 625 * TBA KS 626 *	US\$ US\$ US\$ US\$ US\$ US\$ US\$	494.0 451.0 794.0 799.0 794.0
- for MG-5061 SC, MG-5061 A & MG-5062 V (for use with mechanical control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 SC & MG-5061 A & MG-5062 V - for MG-5061 SC & MG-5061 A - for MG-5062 V - for MG-5062 V - for MG-5061 SC & MG-5061 A - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5061 V & MG-5061 V & MG-5061 V & MG-5061 SC, MG-5061 SC, MG-5061 A & MG-5061 V & MG-5061 V & MG-5061 SC, MG-5061 SC, MG-5061 A & MG-5061 V & MG-5061 V & MG-5061 SC, MG-5061 SC, MG-5061 A & MG-5061 V & MG-5061 V & MG-5061 SC, MG-5061 SC, MG-5061 A & MG-5061 V & MG-5061 V & MG-5061 SC, MG-5061 SC, MG-5061 A & MG-5061 V & MG-5061 V & MG-5061 SC, MG-5061 SC, MG-5061 A & MG-5061 V & MG-5061 V & MG-5061 SC, MG-5061 SC, MG-5061 A & MG-5061 V & MG-5061 SC, MG-5061 SC, MG-5061 A & MG-5061 V & MG-5061 SC, MG-5061 SC, MG-5061 A & MG-5061 V & MG-5061 SC, MG	8 3.		(4)	Sta Sta US\$ US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00 294.00 294.00 294.00	KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 627 *  KS 625 * TBA KS 626 *	US\$ US\$ US\$ US\$ US\$ US\$ US\$	494.0 451.0 794.0 799.0 794.0
- for MG-5061 SC, MG-5061 A & MG-5062 V (with electric control valve) - for MG-5061 V - for MG-5061 V (with electric control valve) - for MG-5061 V (with electric control valve) - for MG-5061 SC & MG-5061 A - for MG-5061 SC & MG-5061 A - for MG-5061 V & MG-5062 V - for MG-5061 V (with electric valve) - for MG-5062 V - with electric valve (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG-5061 SC, MG-5061 A, MG-5061 V (with electric valve) - for MG	8 3.		(4)	Sta Sta US\$ US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00 294.00 294.00 294.00	KS 690 *  KS 622 * KS 663 *  KS 621 * TBA KS 627 *  KS 625 * TBA KS 626 *	US\$ US\$ US\$ US\$ US\$ US\$ US\$	494.0 451.0 794.0 799.0 794.0
- for MG-5061 V  clutchable PTO (pump mount or shaft drive) available  ntrol Valve  chanical control valve (20.1 bar/320 p.s.i.) - for MG-5061 SC & MG-5061 A - for MG-5061 V & MG-5062 V - ctric control valve (20.1 bar/320 p.s.i 24 VDC) - for MG-5061 SC & MG-5061 A - for MG-5062 V - for MG-5062 V - ctric control valve (20.1 bar/320 p.s.i 12 VDC) - for MG-5061 SC & MG-5061 A - for MG-5061 SC & MG-5061 SC & MG-5061 A - for MG-5061 SC &	00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			Sta Sta US\$ US\$ US\$ US\$	ndard ndard 294.00 294.00 294.00 294.00 294.00 294.00	KS 622 * KS 663 * KS 621 * TBA KS 627 * KS 625 * TBA KS 626 *	US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$ US\$	494.0 451.0 794.0 FBA 799.0 794.0
clutchable PTO (pump mount or shaft drive) available  ntrol Valve  chanical control valve (20.1 bar/320 p.s.i.)  - for MG-5061 V & MG-5062 V  - toric control valve (20.1 bar/320 p.s.i 24 VDC)  - for MG-5061 V & MG-5061 A  - for MG-5061 SC & MG-5061 A  - for MG-5061 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5061 V MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V MG-5061	8 3. -F 2.			Sta US\$ US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00 294.00 294.00	KS 663 *  KS 621 *  TBA  KS 627 *  KS 625 *  TBA  KS 626 *	US\$ US\$ TUS\$ US\$ US\$ US\$	451.0 794.0 78A 799.0 794.0
ntrol Valve  chanical control valve (20.1 bar/320 p.s.i.)  - for MG-5061 SC & MG-5061 A  - for MG-5061 SC & MG-5062 V  ctric control valve (20.1 bar/320 p.s.i 24 VDC)  - for MG-5061 SC & MG-5061 A  - for MG-5061 SC & MG-5061 A  - for MG-5061 SC & MG-5061 A  - for MG-5061 V  - for MG-5061 V  - for MG-5062 V  - for MG-5062 V  - for MG-5062 V  - for MG-5062 V  - for MG-5061 SC & MG-5061 A  - for MG-5062 V  - for MG-5061 SC & MG-5061 A  - for MG-5062 V  - for MG-5062 V  - for MG-5062 V  - for MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A & MG-5062 V  - for MG-5061 SC (Fatio Scott V & MG-5062 V  - for MG-5061 SC (Fatio Scott V & MG-5062 V  - for MG-5061 SC (Fatio Scott V & MG-5061 V (1½" plain bore)  - for MG-5061 SC (ratio Scott V & MG-5061 A & MG-5061 V (1½" plain bore)  - for MG-5061 SC (ratio Scott V & MG-5061 A & MG-5061 V (1½" plain bore)  - for MG-5061 SC (ratio Scott)  - for MG-5062 SC (1½" plain bore)  - for MG-5061 SC (ratio Scott)  - for MG-5061	8 3. -F 2.		· · · · · · · · · · · · · · · · · · ·	Sta US\$ US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00 294.00 294.00	KS 663 *  KS 621 *  TBA  KS 627 *  KS 625 *  TBA  KS 626 *	US\$ US\$ TUS\$ US\$ US\$ US\$	451.0 794.0 78A 799.0 794.0
ntrol Valve  chanical control valve (20.1 bar/320 p.s.i.)  - for MG-5061 SC & MG-5061 A  - for MG-5061 SC & MG-5062 V  ctric control valve (20.1 bar/320 p.s.i 24 VDC)  - for MG-5061 SC & MG-5061 A  - for MG-5061 SC & MG-5061 A  - for MG-5061 SC & MG-5061 A  - for MG-5061 V  - for MG-5061 V  - for MG-5062 V  - for MG-5062 V  - for MG-5062 V  - for MG-5062 V  - for MG-5061 SC & MG-5061 A  - for MG-5062 V  - for MG-5061 SC & MG-5061 A  - for MG-5062 V  - for MG-5062 V  - for MG-5062 V  - for MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  - for MG-5061 SC, MG-5061 A & MG-5062 V  - for MG-5061 SC (Fatio Scott V & MG-5062 V  - for MG-5061 SC (Fatio Scott V & MG-5062 V  - for MG-5061 SC (Fatio Scott V & MG-5061 V (1½" plain bore)  - for MG-5061 SC (ratio Scott V & MG-5061 A & MG-5061 V (1½" plain bore)  - for MG-5061 SC (ratio Scott V & MG-5061 A & MG-5061 V (1½" plain bore)  - for MG-5061 SC (ratio Scott)  - for MG-5062 SC (1½" plain bore)  - for MG-5061 SC (ratio Scott)  - for MG-5061	8 3. -F 2.		· · · · · · · · · · · · · · · · · · ·	Sta US\$ US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00 294.00 294.00	KS 663 *  KS 621 *  TBA  KS 627 *  KS 625 *  TBA  KS 626 *	US\$ US\$ TUS\$ US\$ US\$ US\$	451.0 794.0 78A 799.0 794.0
- for MG-5061 SC & MG-5061 A - for MG-5061 V & MG-5062 V - for MG-5061 SC & MG-5062 V - for MG-5061 SC & MG-5061 A - for MG-5061 SC & MG-5061 A - for MG-5061 SC & MG-5061 A - for MG-5061 V - for MG-5062 V - tortic control valve (20.1 bar/320 p.s.i 12 VDC) - for MG-5061 SC & MG-5061 A - for MG-5062 V - for MG-5061 SC & MG-5061 A - for MG-5061 SC & MG-5061 A - for MG-5061 V - for MG-5061 SC & MG-5061 A - for MG-5061 SC, MG-5061 A - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V,	8 3. -F 2.		· · · · · · · · · · · · · · · · · · ·	Sta US\$ US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00 294.00 294.00	KS 663 *  KS 621 *  TBA  KS 627 *  KS 625 *  TBA  KS 626 *	US\$ US\$ TUS\$ US\$ US\$ US\$	451.0 794.0 TBA 799.0 794.0 TBA
- for MG-5061 V & MG-5062 V  tric control valve (20.1 bar/320 p.s.i 24 VDC) - for MG-5061 SC & MG-5061 A - for MG-5061 V - for MG-5062 V - for MG-5062 V - for MG-5062 SC & MG-5061 A - for MG-5061 V - for MG-5061 V - for MG-5061 V - for MG-5061 V - for MG-5062 V - for MG-5062 V - for MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & M	8 3. -F 2.		· · · · · · · · · · · · · · · · · · ·	Sta US\$ US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00 294.00 294.00	KS 663 *  KS 621 *  TBA  KS 627 *  KS 625 *  TBA  KS 626 *	US\$ US\$ TUS\$ US\$ US\$ US\$	451.0 794.0 TBA 799.0 794.0 TBA
ctric control valve (20.1 bar/320 p.s.i 24 VDC) - for MG-5061 SC & MG-5061 A - for MG-5061 V - for MG-5062 V - for MG-5062 V - for MG-5061 SC & MG-5061 A - for MG-5061 SC & MG-5061 A - for MG-5061 SC & MG-5061 A - for MG-5061 V - for MG-5061 V - for MG-5062 V - for MG-5062 V - sae note: Rate-of-Rise is standard on all available mechanical and electric selector valves - introl Cable Bracket for Mechanical Control Valves - introl Cable Bracket for Mechanical Control Valves - introl Cable Support kit incl. cable bracket and connecting parts (loose supply) - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC (ratio 3.00:1)	.00 .00 .00 .00 .00 .00 .00 .00 .00 .00			US\$ US\$ US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00 294.00 294.00	KS 621 * TBA KS 627 * KS 625 * TBA KS 626 *	US\$ TUS\$ US\$ US\$ US\$	794.0 TBA 799.0 794.0 TBA
- for MG-5061 SC & MG-5061 A - for MG-5061 V - for MG-5062 V ctric control valve (20.1 bar/320 p.s.i 12 VDC) - for MG-5062 V - for MG-5061 SC & MG-5061 A - for MG-5061 SC & MG-5061 A - for MG-5062 V - for MG-5061 SC, MG-5061 A - for MG-5061 SC, MG-5061 A - for MG-5061 SC, MG-5061 A - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5062 V - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1½* plain bore) - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1½* plain bore) - for MG-5061 SC (ratio 3.00:1) - for MG-5061 SC (ratio 3.00:1) - pX-877 - for MG-5061 SC (ratio 3.00:1) - pX-878 - for MG-5061 SC (ratio 3.00:1) - pX-879 -	8 3. -F 2.	.0	- - - -	US\$ US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00 294.00	TBA KS 627 * KS 625 * TBA KS 626 *	US\$ US\$ T US\$	TBA 799. 794. TBA
- for MG-5061 V - for MG-5062 V - for MG-5061 SC & MG-5061 A - for MG-5061 SC & MG-5061 A - for MG-5061 V - for MG-5061 SC, MG-5061 A - for MG-5061 SC, MG-5061 A - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5061	8 3. -F 2.	.0	- - - -	US\$ US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00 294.00	TBA KS 627 * KS 625 * TBA KS 626 *	US\$ US\$ T US\$	TBA 799. 794. TBA
- for MG-5062 V ctric control valve (20.1 bar/320 p.s.i 12 VDC) - for MG-5061 SC & MG-5061 A - for MG-5062 V - for MG-5062 V - sae note: Rate-of-Rise is standard on all available mechanical and electric selector valves - note: Rate-of-Rise is standard on all available mechanical and electric selector valves - note: Rate-of-Rise is standard on all available mechanical and electric selector valves - note: Rate-of-Rise is standard on all available mechanical and electric selector valves - note: Rate-of-Rise is standard on all available mechanical and electric selector valves - note: Rate-of-Rise is standard on all available mechanical and electric selector valves - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V, MG-5061 SC (ratio 3.00:1) - for MG-5061 SC (ratio 3.00:1)	8 3. -F 2.		•	US\$ US\$ US\$ US\$	294.00 294.00 294.00 294.00	KS 625 * KS 625 * TBA KS 626 *	US\$ US\$ T US\$	799. 794. TBA
ctric control valve (20.1 bar/320 p.s.i 12 VDC) - for MG-5061 SC & MG-5061 A - for MG-5061 V - for MG-5061 V - for MG-5062 V - sase note: Rate-of-Rise is standard on all available mechanical and electric selector valves - introl Cable Bracket for Mechanical Control Valves - introl Cable Support kit incl. cable bracket and connecting parts (loose supply) - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5062 V - for MG-5061 SC (ratio 3.00:1) - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1½" plain bore) - for MG-5061 SC (ratio 3.00:1) - Fitor MG-5061 SC (ratio 3.00:1) - Fitoring (all Models)	8 3. -F 2.	.0		US\$ US\$ US\$	294.00 294.00 294.00	KS 625 * TBA KS 626 *	US\$ T US\$	794. 'BA
- for MG-5061 SC & MG-5061 A - for MG-5061 V - for MG-5062 V - sase note; Rate-of-Rise is standard on all available mechanical and electric selector valves  Introl Cable Bracket for Mechanical Control Valves  Introl Cable Bracket for Mechanical Control Valves  Introl Cable Bracket for Mechanical Control Valves  Introl Cable Support kit incl. cable bracket and connecting parts (loose supply) - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  PX-108	8 3. -F 2.	.0	-	US\$ US\$	294.00 294.00	TBA KS 626 *	US\$	ΒА
- for MG-5061 V - for MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - filter - transparation of the sused with electric trolling or with high oil filtration requirements - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1½" plain bore) - for MG-5061 SC (ratio 3.00:1) - Filtoring (all Models) - mitoring (all Models)	8 3. -F 2.	.0	-	US\$ US\$	294.00 294.00	TBA KS 626 *	US\$	ΒА
- for MG-5062 V <u>sase note</u> ; Rate-of-Rise is standard on all available mechanical and electric selector valves  ntrol Cable Bracket for Mechanical Control Valves  - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  PX-108    MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V	8 3. -F 2.	.0	-	US\$	294.00	KS 626 *	US\$	
Introl Cable Bracket for Mechanical Control Valves Introl Cable Bracket for Mechanical Control Valves Introl Cable Bracket for Mechanical Control Valves Introl Cable Support kit incl. cable bracket and connecting parts (loose supply) Introl Cable Support kit incl. cable bracket and connecting parts (loose supply) Introl Cable Strucket for Mechanical Selector valve Introl Mechanical trolling valve for electric selector valve Introl Mechanical trolling valve for electric selector valve Introl Mechanical selector valve Introl Mechanical selector valve Introl Mechanical selector valve Introl Mechanical selector valve (24 VDC) Inter MUST be used Introl Mechanical selector valve (24 VDC) Inter MUST be used Introl Mechanical selector valve (24 VDC) Inter MUST be used Introl Mechanical selector valve (24 VDC) Inter MUST be used Introl Mechanical selector valve (24 VDC) Inter MUST be used Introl Mechanical selector valve (24 VDC) Inter MUST be used Introl Mechanical selector valve (24 VDC) Inter MUST be used Introl Mechanical selector valve (24 VDC) Inter MUST be used Introl Mechanical selector valve se	8 3. -F 2.		(7)					
Introl Cable Bracket for Mechanical Control Valves Introl cable support kit incl. cable bracket and connecting parts (loose supply) - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  PX-108    PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-108   PX-807   Chanical trolling valve for mechanical selector valve - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V (KS619 on mech. or electric after s/n 5HM09 - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1¼" plain bore) - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1¼" plain bore) - for MG-5061 SC (ratio 3.00:1)   PX-877   PX-864   PX	-F 2.		(7)	US\$	102.00	KS 551 *	US\$	
- for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V  PX-108    Stilling   Chanical trolling valve for mechanical selector valve   for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V (KS619 on mech. or electric after s/n 5HM09   FX-887   for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V   FX-887   for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V   FX-887   for MG-5061 SC, MG-5061 A & MG-5062 V   FX-887   for MG-5061 SC, MG-5061 A & MG-5062 V   for MG-5061 SC (Tatio 3.00:1)   FX-116   for MG-5061 SC (Tatio 2.43:1 and less), MG-5061 A & MG-5061 V (11/4" plain bore)   FX-877   FX-864   FX-864	-F 2.		(7)	US\$	102.00	KS 551 *	US\$	
chanical trolling valve for mechanical selector valve - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V (KS619 on mech. or electric after s/n 5HM05 chanical trolling valve for electric selector valve - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - friter  It mounted oil filter to be used with electric trolling or with high oil filtration requirements - frit mounted oil filter to be used without heat exchanger - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (11/4" plain bore) - for MG-5061 SC (ratio 3.00:1) - Fitoring (all Models)	-F 2.		(7)	US\$	102.00	KS 551 *	US\$	
chanical trolling valve for mechanical selector valve - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V (KS619 on mech. or electric after s/n 5HM09 chanical trolling valve for electric selector valve - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC (MG-5061 A & MG-5062 V - for MG-5061 SC (Tatio 2.43:1 and less), MG-5061 A & MG-5061 V (1¼" plain bore) - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1¼" plain bore) - for MG-5061 SC (ratio 3.00:1) - Fitoring (all Models)	-F 2.							102.0
chanical trolling valve for mechanical selector valve - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V (KS619 on mech. or electric after s/n 5HM09 chanical trolling valve for electric selector valve - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC (MG-5061 A & MG-5062 V - for MG-5061 SC (Tatio 2.43:1 and less), MG-5061 A & MG-5061 V (1¼" plain bore) - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1¼" plain bore) - for MG-5061 SC (ratio 3.00:1) - Fitoring (all Models)	-F 2.							
- for MG-5081 SC, MG-5061 A, MG-5061 V & MG-5062 V (KS619 on mech. or electric after s/n 5HM05 chanical trolling valve for electric selector valve - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - for MG-5061 SC, MG-5061 A & MG-5062 V - filter - it mounted oil filter to be used with electric trolling or with high oil filtration requirements - from the content of the filter to be used without heat exchanger - from MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (11/4" plain bore) - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (11/4" plain bore) - for MG-5061 SC (ratio 3.00:1) - Filter - Filte	-F 2.			1 -				
chanical trolling valve for electric selector valve - for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V crite trolling valve for electric selector valve (24 VDC) - oil filter MUST be used - for MG-5061 SC, MG-5061 A & MG-5062 V 10200*  Filter It mounted oil filter to be used with electric trolling or with high oil filtration requirements it mounted oil filter to be used without heat exchanger  Mpanion Flange (all Models) mpanion Flange including bolts and nuts size SAE 3 - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1½" plain bore) - for MG-5062 V (1½" plain bore) - for MG-5061 SC (ratio 3.00:1)  PX-864  Initoring (all Models)  Initoring (all Models)  B-1703	-F 2.	.5	(6)	US\$	194.00	KS 619 *	US\$	371.0
- for MG-50É1 SC, MG-5061 A, MG-5061 V & MG-5062 V ctric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used - for MG-5061 SC, MG-5061 A & MG-5062 V  Filter tr mounted oil filter to be used with electric trolling or with high oil filtration requirements it mounted oil filter to be used without heat exchanger  PX-116  mpanion Flange (all Models) mpanion Flange including bolts and nuts size SAE 3 - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1½" plain bore) - for MG-5062 V (1½" plain bore) - for MG-5062 V (1½" plain bore) - for MG-5061 SC (ratio 3.00:1)  PX-864  nitoring (all Models)  B-1703				1				
- for MG-5061 SC, MG-5061 A & MG-5062 V  Filter It mounted oil filter to be used with electric trolling or with high oil filtration requirements It mounted oil filter to be used without heat exchanger  PX-116  mpanion Flange (all Models)  mpanion Flange including bolts and nuts size SAE 3  - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1¼" plain bore)  - for MG-5062 V (1½" plain bore)  - for MG-5061 SC (ratio 3.00:1)  PX-864  Initoring (all Models)  ssure gauge (loose)  B-1703	7 2	.5	(6)	US\$	194.00	KS 619 *	US\$	371.0
Filter  It mounted oil filter to be used with electric trolling or with high oil filtration requirements  It mounted oil filter to be used without heat exchanger  PX-116  Impanion Flange (all Models)  Impanion Flange including bolts and nuts size SAE 3  - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1½" plain bore)  PX-877  - for MG-5062 V (1½" plain bore)  FY-864  Initoring (all Models)  Initoring (all Models)  PS-864	7 7							
It mounted oil filter to be used with electric trolling or with high oil filtration requirements It mounted oil filter to be used without heat exchanger    PX-116	'   <sup>2</sup> .	.4	(5)	US\$	541.00	KS 721 *	US\$	643.0
It mounted oil filter to be used with electric trolling or with high oil filtration requirements It mounted oil filter to be used without heat exchanger    PX-116								
it mounted oil filter to be used without heat exchanger  PX-116  mpanion Flange (all Models)  mpanion Flange including bolts and nuts size SAE 3  - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1½" plain bore)  - for MG-5062 V (1½" plain bore)  - for MG-5062 V (1½" plain bore)  - for MG-5061 SC (ratio 3.00:1)  PX-822  - for MG-5061 SC (ratio 3.00:1)  PX-864  nitoring (all Models)  ssure gauge (loose)  B-1703	3 2.	.8	(6)	US\$	320.00			
mpanion Flange including bolts and nuts size SAE 3   - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1½" plain bore)   PX-877- for MG-5062 V (1½" plain bore)   PX-8225- for MG-5061 SC (ratio 3.00:1)   PX-864			(6)	US\$	320.00	KS 719 *	US\$	342.
mpanion Flange including bolts and nuts size SAE 3   - for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (1½" plain bore)   PX-877- for MG-5062 V (1½" plain bore)   PX-8225- for MG-5061 SC (ratio 3.00:1)   PX-864								
- for MG-5061 SC (ratio 2.43:1 and less), MG-5061 A & MG-5061 V (11/4" plain bore) - for MG-5062 V (11/4" plain bore) - for MG-5061 SC (ratio 3.00:1)  PX-864  Initoring (all Models)  B-1703	1			ı			1	
- for MG-5062 V (11/4" plain bore) XA-5225 - for MG-5061 SC (ratio 3.00:1) PX-864  Initoring (all Models)  assure gauge (loose) B-1703	-A 7.	.3	(16)	US\$	222.00			
- for MG-5061 SC (ratio 3.00:1) PX-864  nitoring (all Models)  ssure gauge (loose) B-1703			(16)		222.00			
essure gauge (loose) B-1703	-A 7.	.3	(16)	inc	uded			
essure gauge (loose) B-1703								
	n	_	(4)	LIC*	04.00		1	
nperature gauge and switch (100se) I B-342			(1)	US\$	64.00 119.00	1	1	
curity Neutral Switch (normally closed)  PX-120		.5	(1)	US\$	40.00	KS 665 *	US\$	106
Julity Neutral Switch (Hormany closed)	-2			ОЗФ	40.00	K3 003	ОЗФ	100.
at Exchanger (all Models)								
at Exchanger for fresh water cooling ((jacket or keel, limited to 300 hp)				l				
- for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V (loose supply, no fittings, no hoses)  M-1961	H 6.	.8	(15)	US\$	504.90	TBA	T	ГВА
at Exchanger for raw water cooling:	.	•	/ <b>/</b> - `			l	1	
- for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V (loose supply, no fittings, no hoses) M-1961			(15)	US\$	504.90	TBA		TBA
- for MG-5061 SC, MG-5061 A, MG-5061 V & MG-5062 V (mounted, incl. fittings and hoses)	H 7.	.5	(17)	US\$	928.20	TBA	I T	ГВА
at exchanger with thermostatic bypass valve - loose supply, no hoses, fittings nor mounting bracket  PM-106:	54	TB.	Δ	US\$	564.00	KS 629 *	US\$	564
- nounted on unit, hoses, fittings and mounting bracket included PM-106		TB.		US\$	874.00	KS 594 *	US\$	
mounted on unit, 110363, fittings and mounting bracket included	<i>-</i> /~	113	• •	ООФ	314.00	110 034	03\$	074.
unting Brackets								
- for MG-5061 SC, MG-5061 A & MG-5061 V (steel fabricated) - Alternative 1			(24)	US\$	270.00		1	
- for MG-5061 SC, MG-5061 A & MG-5061 V (steel fabricated) - Alternative 2			(44)	US\$	335.00		1	
- for MG-5062 V (steel fabricated) 1016426	·G 14	.0	(31)	US\$	600.00			
rvice Manuals	- 1			1		1	1	
- for MG-5061 SC 101598				1100	60.00	1	1	
- for MG-5061 A 101598	3			US\$		I	1	
- for MG-5061 V TBA				US\$ US\$	60.00		1	
- for MG-5062 V 10157				US\$				
	€			US\$	60.00			

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5065 Series MARINE	TRANSMISSIO	ONS					
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIST	PRICE
MG-5065 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1, No. 2, No. 3 <u>OR</u> Special CAT SAE No. 3  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-3412 or E-3415 Series  - Mechanical Control Valve  - Output Flange Size SAE 4	PX-11480 PX-11480*	1.08:1 1.26:1 1.47:1 1.72:1 2.04:1 2.43:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	111	(244)	US\$	5,800
MG-5065 A 7° Down Angle, Aluminum Housing with Following Standard Equipment: - SAE J617 Housing No. 1, No. 2, No. 3 OR Special CAT SAE No. 3 - Flexible Coupling for 14" OR 11.5" Flywheel (SAE J620 size 355 OR 290): • Non-Silicon Vulkardan E-3412 or E-3415 Series - Mechanical Control Valve - Output Flange Size SAE 4	PX-11165 PX-11165*	1.08:1 1.26:1 1.47:1 1.72:1 2.04:1 2.43:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	111	(244)	US\$	5,800

Important Notes:
Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required.

<sup>\*</sup> For use with Caterpillar engines having Starter-Over-Gear.

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MG-5065 Series ACCESSO	RIES					
DESCRIPTION	DRAWING	WEIGHT	LIST	PRICE	FIELI	
	NUMBER	kg (Lbs)	Al	DDER	NUMBER	LIST PRICE
Torsional Couplings (all Models)						
Non-Silicon Vulkardan E-3412 or E-3415 for 14" Flywheel (SAE J620 size 355)	P-10994			cluded		
Non-Silicon Vulkardan E-3412 or E-3415 for 11.5" Flywheel (SAE J620 size 290)	P-10956			cluded		
Natural Rubber Centa DS-45-7 for 14" Flywheel (SAE J620 size 355)	PX-10995		US\$	408.00		
Natural Rubber Centa DS-45-7 for 11.5" Flywheel (SAE J620 size 290)	PX-10993		US\$	109.00		
Centa CF-R-136 for 11½" Flywheel (SAE J620 size 290)	PX-12073		US\$	295.00		
Centa CF-R-136 for 14" Flywheel (SAE J620 size 355)	PX-12074					
P.T.O.	1	J.	<u> </u>			
Live pump mount PTO - SAE-J-744 size 101-4, 22-4, max. 197 Nm (ex. SAE B, 2 and 4-bolt)	See					
- for MG-5065 SC & MG-5065 A (without heat exchanger possibility)	Installation	1.8 (4)	US\$	178.00	KS 745 *	US\$ 178.00
Live pump mount PTO - SAE-J-744 size 101-4, 22-4, max. 197 Nm (ex. SAE B,2 and 4-bolt)	Drawing					
- for MG-5065 SC & MG-5065 A (with heat exchanger possibility) (includes bracket)	•		US\$	351.00	KS 746 *	US\$ 351.00
No clutchable PTO (pump mount or shaft drive) available						
Control Valve	1					
Mechanical control valve (22.8 bar/330 p.s.i.)	See					
- for MG-5065 SC & MG-5065 A	Installation		Sta	andard	KS 571 *	US\$ 673.00
Electric control valve (22.8 bar/330 p.s.i 24 VDC)	Drawing					
- for MG-5065 SC & MG-5065 A	PX-10566		US\$	288.00	KS 406 *	US\$1,077.00
Electric control valve (22.8 bar/330 p.s.i 12 VDC)						
- for MG-5065 SC & MG-5065 A	PX-10566		US\$	288.00	KS 405 *	US\$1,077.00
Please note: Rate-of-Rise is standard on all available mechanical and electric selector valves						
Trolling						
Mechanical trolling valve for mechanical selector valve						
- for MG-5065 SC & MG-5065 A	PX-8871-A	2.5 (6)	US\$	204.00	KS 340 *	US\$ 332.00
Mechanical trolling valve for electric selector valve						
- for MG-5065 SC & MG-5065 A	PX-8871-D	2.5 (6)	US\$	204.00	KS 386 *	US\$ 339.00
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used		, ,				
- for MG-5065 SC & MG-5065 A	1020077B	2.4 (5)	US\$	610.00	KS 607 *	US\$ 610.00
Oil Filter			l			
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements	PX-11653	2.8 (6)	US\$	320.00	KS 564 *	US\$ 392.00
Cable Bracket						
Cable bracket kit including the cable connections	PX-10868	3.0 (7)	US\$	102.00	KS 551 *	US\$ 102.00
Companion Flours (all Models)						
Companion Flange (all Models) Companion Flange including bolts and nuts (1¼" plain bore)	1	1				
- for output flange size SAE 4	PX-9153	13.6 (30)	US\$	231.00		
- 101 output flarige size SAL 4	FA-9133	13.0 (30)	03\$	231.00		
Monitoring (all Models)	D 4702 D	0.5 (4)	LICA	04.00		
Pressure gauge (loose)	B-1703-D	0.5 (1)	US\$	64.00		
Temperature gauge and switch (loose)	B-3424	0.5 (1)	US\$	119.00		
Heat Exchanger (all Models)	1					
Heat exchanger with thermostatic bypass valve	1	I				
- loose supply, no hoses, fittings nor mounting bracket	PM-10685A		US\$	564.00	KS 629 *	US\$ 564.00
- mounted on unit, hoses, fittings and mounting bracket (bracket included with PTO) (use with PTO)	PM-10685A		US\$	702.00		
- mounted on unit, hoses, fittings and mounting bracket included (use without PTO)	PM-10685A		US\$	874.00	KS 759 *	US\$ 874.00
Mounting Brackets	1	1				
- for MG-5065 SC & MG-5065 A (steel fabricated)	1016428-F	12.7 (28)	US\$	295.00		
Service Manuals	1	J	· · · · · ·	_		
Oct vice mandais						
- for MG-5065 SC			US\$	60.00		
			US\$ US\$	60.00 60.00		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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MG-507-1 Series MARINE	<b>TRANSMISSI</b>	ONS					
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEI kg	GHT (Lbs)	LIST	PRICE
MG-507-1 - Step-up Ratios  Coaxial Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1, No. 2, No. 3 <u>OR</u> Special CAT SAE No. 3  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-4010 Series	PX-8888	0.92:1 0.81:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	163 161 159 159	(359) (355) (350) (350)	US\$ US\$ US\$ US\$	8,418 8,084 8,024 8,262
MG-507-1	PX-8888	0.75:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	163 161 159 159	(359) (355) (350) (350)	US\$ US\$ US\$ US\$	8,490 8,156 8,096 8,334
Coaxial Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1, No. 2, No. 3 <u>OR</u> Special CAT SAE No. 3  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-4010 Series  - Mechanical Control Valve	PX-7470 PX-7470-G PX-7470-H*	1.10:1 1.25:1 1.51:1 1.77:1 1.98:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	163 161 159 159	(359) (355) (350) (350)	US\$ US\$ US\$ US\$	7,385 7,051 6,991 7,229
- Output Flange Size SAE 3 (SAE 4 for ratios 2.54:1 and 2.99:1)	PX-7470 PX-7470-G PX-7470-H*	2.54:1 2.99:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	163 161 159 159	(359) (355) (350) (350)	US\$ US\$ US\$ US\$	7,555 7,221 7,161 7,399
MG-507A-1  7° Down Angle Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1, No. 2, No. 3 <u>OR</u> Special CAT SAE No. 3  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-4010 Series  - Mechanical Control Valve	PX-8170 PX-8170-F PX-7470-H*	1.10:1 1.25:1 1.51:1 1.77:1 1.98:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	163 161 159 159	(359) (355) (350) (350)	US\$ US\$ US\$ US\$	7,890 7,556 7,496 7,734
- Output Flange Size SAE 3 (SAE 4 for ratios 2.54:1 and 2.99:1)	PX-8170 PX-8170-F PX-7470-H*	2.54:1 2.99:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	163 161 159 159	(359) (355) (350) (350)	US\$ US\$ US\$ US\$	8,060 7,726 7,666 7,904

Important Notes:

\* SAE 3 Special CAT housing for use with Caterpillar engines having "starter over gear" (3116's, 3126's, 3208's)
MG-507-1 and MG-507A-1 cannot be used on engines with left-hand rotation.

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Torsinant Couplings (all Models)   P-9478	MG-507-1 Series ACCESSO	RIES				
Torsional Couplings (all Models)   P-9475	DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIEL	D KIT
Non-Siston Vulkardam E-4010 Series for 14" Flywheel (SAE 3600 size 355) Non-Siston Vulkardam E-4010 Series for 11" Flywheel (SAE 3600 size 290) Natural Rubber, Dual Stage Centar DS-40 for 14" Flywheel (SAE 3600 size 290) Natural Rubber, Dual Stage Centar DS-40 for 14" Flywheel (SAE 3600 size 290) PS-10513		NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Non-Silicon Vullardam E-4010 Series for 11-5 Physheel (SAE, 3620 size 280)   P-9472     included Manual Rubber, Dual Slage Cental D5-40 for 11-5 Physheel (SAE, 3620 size 280)   P3-10229     US\$ 183.00   KS 311   P3-10229   P3-10229   P3-10229     US\$ 183.00   KS 311   P3-10229   P3-	Torsional Couplings (all Models)					
Natural Rubber, Dual Stage Centa DS-40 for 11 "Pythrelet (SAE J850 at 2850)  PX-10573 PX-10574 PX-10573 PX-10573 PX-10573 PX-10573 PX-10573 PX-10573 PX-10574 PX-10573 PX-1057	Non-Silicon Vulkardan E-4010 Series for 14" Flywheel (SAE J620 size 355)	P-9476		included		
Natural Rubber, Dual Slaige Centa DS-40 for 11.5° Flywheel (SAE J620 size 260)  PT.C.  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/				included		
P.7.0.  No PTO (We or clutchable, pump mount or shalt drive) available  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/						
No. PTO (We or clutchable, pump mount or shaft drive) available   NiA	Natural Rubber, Dual Stage Centa DS-40 for 11.5" Flywheel (SAE J620 size 290)	PX-10229		US\$ 183.00	KS 311 *	
Control Valve   C2.1 bar(200 p.s.l.)						
Mechanical corried valve (22.1 bar/320 p.s.i.)   FAR	No PTO (live or clutchable, pump mount or shaft drive) available	N/A	N/A	N/A	N/A	N/A
- for MG-5071-8 MG-507A-1 (non rate-of-rise) - for MG-5071-8 MG-507A-1 (rate-of-rise) - for MG-5071-8 MG-507A-1 (rate-o						
- for MG-5071-1 & MG-507A-1 (rate-of-frise)   Electric control valve (2.21 bars/230 ps. 1 - 24 VDC)						
Electric control valve (22.1 bar/320 p. si 24 VDC) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for output flange size SAE 4 (for trate-of-fise) (without possibility of trolling valve) - for output flange size SAE 4 (for trate-of-fise) (without possibility of trolling valve) - for output flange size SAE 4 (for trate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & MG-507-4 (rate-of-fise) (without possibility of trolling valve) - for MG-507-1 & M						
First NG-507-1 & MG-507-1 & MG-	- for MG-507-1 & MG-507A-1 (rate-of-rise)	PX-9504		US\$ 421.00	KS 315 *	US\$ 815.00
Electric control valve (22.2 bar/320 p.s.l.) - 12 VDC) - for MG-507-1 & MG-507A-1 (rete-of-rise) (without possibility of trolling valve)  PX-10125	Electric control valve (22.1 bar/320 p.s.i 24 VDC)					
- for MG-507-1 & MG-507-1 (rate-of-rise) (without possibility of trolling valve)  - for MG-507-1 & MG-507-1 (rate-of-rise) (with mechanical selector valves  - for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve and troll) (RS-339 is trolling valve for mechanical selector valve (only available for rate-of-rise valve PX-9504) - for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve and troll) (RS-339 is trolling valve only)  - for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve and troll) (RS-339 is trolling valve only)  - for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve - for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve - for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve - for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve - for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve - for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve - for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve - for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve - for MG-507-1 & MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve - for MG-507-1 & MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve - for MG-507-1 & MG-507	- for MG-507-1 & MG-507A-1 (rate-of-rise) (without possibility of trolling valve)	PX-10125		US\$ 467.00	KS 304 *	US\$ 771.00
### Pages ### Pa	Electric control valve (22.2 bar/320 p.s.i.) - 12 VDC)					
Michanical trolling valve for mechanical selector valve (only available for rate-of-rise valve PX-9504)   -for MG-507-1 & MG-507-1 (rate-of-rise) (PX-9525 is PR.O.R valve and troll)   PX-9525	- for MG-507-1 & MG-507A-1 (rate-of-rise) (without possibility of trolling valve)	PX-10125		US\$ 467.00	KS 305 *	US\$ 771.00
Mechanical trolling valve for mechanical selector valve (only available for rate-of-rise valve PX-9504)   - for MG-507-1.8 MG-507-1 (rate-of-rise) (PX-9525 is P.R.O.R valve and troll)   PX-9525     US\$ 716.00   KS 339 * US\$ 393.0 (KS-339 is trolling valve only)   Mechanical trolling valve for electric selector valve for units without P.R.O.R. valve   - for MG-507-1.8 MG-507A-1 (rate-of-rise) (212/) (KS kit is electric valve and mechanical trolling valve)   PX-10025     US\$ 799.00   KS 540 * US\$1,452.1   US\$ 799.00   KS 529 * US\$1,452.1     FX-10025     US\$ 799.00   KS 529 * US\$1,450.1     FX-10025     US\$ 799.00   KS 529 * US\$ 380.0     FX-10025     US\$ 799.00   KS 529 * US\$ 380.0     EX-10025						
- for MG-507-1 & MG-507A-1 (pate-of-rise) (PX-9525 is P.R.O.R valve and troll) (KS-339 is trolling valve for electric selector valve for units without P.R.O.R, valve - for MG-507-1 & MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for MG-507-1 & MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for MG-507-1 & MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for MG-507-1 & MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for MG-507-1 & MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for MG-507-1 & MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for MG-507-1 & MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for MG-507-1 & MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for MG-507-1 & MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for MG-507-1 & MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for unput flange size SAE (MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for unput flange size SAE (MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for unput flange size SAE (MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for unput flange size SAE (MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for unput flange size SAE (MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for unput flange size SAE (MG-507A-1 (pate-of-rise) (ZV) (KS kit selectric valve and mechanical trolling valve) - for unput flange size SAE (MG-507A-1 (pate-of-rise) (ZV) (MS kit selectric valve and mechanical trolling valve) - for unput flange size SAE (MG-507A-1 (pate-of-rise) (ZV) (MS					`	
KeS-339 is trolling valve only)   Mechanical trolling valve or electric selector valve for units without P.R.O.R. valve		1	[			
Mechanical trolling valve for electric selector valve for units without P.R.O.R. valve   P.V. N. valve   P.V. N. valve   P.V. 10025		PX-9525		US\$ 716.00	KS 339 *	US\$ 393.00
- for MG-507-1 & MG-507-1 (arte-of-fiss) (21V) (KS kit is electric valve and mechanical trolling valve)   PX-10025						
- for MG-507-1 & MG-507A-1 (rate-of-rise) (Z4V) (KS kit is electric valve and mechanical trolling valve) Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used - for MG-507-1 & MG-507A-1  - for MG-507-1 & MG-507A-1  - output flange for MG-507-1 & MG-507A-1  - output flange size SAE 3 (for step-up ratios and 1.10:1, 1.25:1, 1.51:1, 1.77:1 and 1.98:1)  - output flange size SAE 4 (for ratios 1.10:1, 1.25:1, 1.51:1, 1.77:1 and 1.98:1)  - output flange size SAE 4 (for ratios 2.54:1 and 2.99:1)  - output flange size SAE 4 (for ratios 1.10:1, 1.25:1, 1.51:1, 1.77:1 and 1.98:1)  - for output flange size SAE 3 (1½* plain bore)  - for output flange size SAE 4 (1½* plain bore)  - for output flange size SAE 4 (1½* plain bore)  - for output flange size SAE 4 (1½* plain bore)  - for output flange size SAE 3 (1½* plain bore)  - for output flange size SAE 3 (1½* plain bore)  - for output flange size SAE 4 (1½* plain bore)  - for output flange size SAE 5 (1½* plain bore)  - for for G-507-1 & MG-507A-1 (losee supply, no fittings, no hoses)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses no mounting bracket)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses no mounting bracket)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses no mounting bracket)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses no mounting bracket)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses no mounting bracket)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses no mounting bracket)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses no mounting bracket)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses no mounting bracket)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses no mounting bracket)  - for MG-507-1 & MG-507A-1 (losee supply, no fittings, no hoses no mo	Mechanical trolling valve for electric selector valve for units without P.R.O.R. valve					
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used - for MG-507-1 & MG-507A-1 N/A	- for MG-507-1 & MG-507A-1 (rate-of-rise) (12V) (KS kit is electric valve and mechanical trolling valve)	PX-10025		US\$ 799.00	KS 540 *	US\$1,452.00
- for MG-507-1 & MG-50	- for MG-507-1 & MG-507A-1 (rate-of-rise) (24V) (KS kit is electric valve and mechanical trolling valve)	PX-10025		US\$ 799.00	KS 529 *	US\$1,450.00
Oil Filter   No oil filter available   N/A	Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used					
No oil filter available	- for MG-507-1 & MG-507A-1	N/A		N/A	N/A	N/A
No oil filter available	Oil Filter	l	<u> </u>			
Output flange for MG-507-1 & MG-507A-1         See		N/A		N/A	N/A	N/A
Output flange for MG-507-1 & MG-507A-1         See		<u> </u>				
- output flange size SAE 3 (for step-up ratios and 1.10:1, 1.25:1, 1.51:1, 1.77:1 and 1.98:1) - output flange size SAE 4 (for ratios 1.10:1, 1.25:1, 1.51:1, 1.77:1 and 1.98:1) - output flange size SAE 4 (for ratios 2.54:1 and 2.99:1)  Companion Flange (all Models)  Companion Flange (all Models)  Companion Flange including bolts and nuts - for output flange size SAE 3 (1½* plain bore) - for output flange size SAE 4 (1½* plain bore) - for output flange size SAE 4 (1½* plain bore) - for output flange size SAE 4 (1½* plain bore) - for output flange size SAE 4 (1½* plain bore) - for output flange size SAE 5 (1½* plain bore) - for output flange size SAE 5 (1½* plain bore) - for output flange size SAE 5 (1½* plain bore) - for output flange size SAE 5 (1½* plain bore) - for output flange size SAE 6 (1½* plain bore) - for output flange size SAE 6 (1½* plain bore) - for output flange size SAE 6 (1½* plain bore) - for output flange size SAE 6 (1½* plain bore) - for output flange size SAE 6 (1½* plain bore) - for output flange size SAE 7 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SAE 8 (1½* plain bore) - for output flange size SA				1		
- output flange size SAE 4 (for ratios 1.10:1, 1.25:1, 1.51:1, 1.77:1 and 1.98:1)  - output flange size SAE 4 (for ratios 2.54:1 and 2.99:1)  Companion Flange (all Models)  Companion Flange (all Models)  Companion Flange including bolts and nuts  - for output flange size SAE 3 (11/4" plain bore)  - for output flange size SAE 3 (11/4" plain bore)  - for output flange size SAE 4 (11/4" plain bore)  - for output flange size SAE 4 (11/4" plain bore)  - for output flange size SAE 4 (11/4" plain bore)  Monitoring (all Models)  Pressure gauge (loose)  Temperature gauge and switch (loose)  B-1703-D  B-1703-D  B-1703-D  B-1703-D  B-3424  D.5  (1)  US\$ 64.00  US\$ 119.00  Heat Exchanger (all Models)  Heat Exchanger for fresh water cooling ((jacket or keel, limited to 300 hp)  - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)  M-1959-F  - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)  M-1959-H  B-1703-D  B-1703-D		_ !				
- output flange size SAE 4 (for ratios 2.54:1 and 2.99:1)    Drawing						
Companion Flange (all Models) Companion Flange including bolts and nuts - for output flange size SAE 3 (11/4" plain bore) - for output flange size SAE 3 (11/4" plain bore) - for output flange size SAE 4 (11/4" plain bore)  Monitoring (all Models) Pressure gauge (loose)  Temperature gauge and switch (loose)  Heat Exchanger (all Models) Heat Exchanger for fresh water cooling ((jacket or keel, limited to 300 hp) - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses) Heat Exchanger for raw water cooling: - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses) Heat Exchanger with themostatic by-pass valve - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses no mounting bracket)  Mounting Brackets - for MG-507-1 & MG-507A-1 (steel fabricated)  Service Manuals - for MG-507-1  1015836  US\$ 60.00						
Companion Flange including bolts and nuts - for output flange size SAE 3 (11/4" plain bore) - for output flange size SAE 4 (11/4" plain bore)  Monitoring (all Models)  Pressure gauge (loose) Temperature gauge and switch (loose)  Heat Exchanger (all Models)  Heat Exchanger for fresh water cooling ((jacket or keel, limited to 300 hp) - for MG-507-1 & MG-507-1 (loose supply, no fittings, no hoses)  Heat Exchanger with thermostatic by-pass valve - for MG-507-1 & MG-507-1 (loose supply, no fittings, no hoses no mounting bracket)  Mounting Brackets - for MG-507-1 & MG-507-1 (steel fabricated)  Service Manuals - for MG-507-1  1015836   US\$ 60.00	- output flange size SAE 4 (for ratios 2.54:1 and 2.99:1)	Drawing		Standard		
- for output flange size SAE 3 (11%" plain bore) - for output flange size SAE 4 (11%" plain bore) - for output flange size SAE 4 (11%" plain bore)  Monitoring (all Models)  Pressure gauge (loose) Temperature gauge and switch (loose)  Heat Exchanger (all Models)  Heat Exchanger (all Models)  Heat Exchanger (all Models)  Heat Exchanger for fresh water cooling ((jacket or keel, limited to 300 hp) - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)  Heat Exchanger for raw water cooling: - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)  Heat Exchanger with thermostatic by-pass valve - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses no mounting bracket)  Mounting Brackets  - for MG-507-1 & MG-507A-1 (steel fabricated)  Service Manuals  - for MG-507-1  1015836   US\$ 60.00						
- for output flange size SAE 4 (11/2" plain bore)    XA-5224AD   10.9 (24)   US\$ 368.00						
Monitoring (all Models)   B-1703-D   0.5   (1)   US\$ 64.00   US\$ 119.00						
Pressure gauge (loose)	- for output flange size SAE 4 (1½" plain bore)	XA-5224AD	10.9 (24)	US\$ 368.00		
Temperature gauge and switch (loose)    B-3424   0.5   (1)   US\$   119.00		1	1	1		
Heat Exchanger (all Models)  Heat Exchanger for fresh water cooling ((jacket or keel, limited to 300 hp) - for MG-507-1 & MG-507-1 (loose supply, no fittings, no hoses)  Heat Exchanger for raw water cooling: - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)  Heat Exchanger for raw water cooling: - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)  Heat Exchanger with thermostatic by-pass valve - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses no mounting bracket)  Mounting Brackets - for MG-507-1 & MG-507A-1 (steel fabricated)  Service Manuals - for MG-507-1  1015836  US\$ 60.00						
Heat Exchanger for fresh water cooling ((jacket or keel, limited to 300 hp) - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)  Heat Exchanger for raw water cooling: - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)  Heat Exchanger with thermostatic by-pass valve - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses no mounting bracket)  M-1959-H  6.8  (15)  US\$ 540.60  TBA  TBA  TBA  TBA  TBA  TBA  TBA  TB	Temperature gauge and switch (loose)	B-3424	0.5 (1)	US\$ 119.00		
- for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)  Heat Exchanger for raw water cooling: - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)  Heat Exchanger with thermostatic by-pass valve - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses no mounting bracket)  M-1959-H  6.8  (15)  US\$ 540.60  TBA  TBA  TBA  TBA  TBA  TBA  TBA  TB		1		<u> </u>		
Heat Exchanger for raw water cooling:	Heat Exchanger for fresh water cooling ((jacket or keel, limited to 300 hp)	1				
- for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)  Heat Exchanger with thermostatic by-pass valve - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses no mounting bracket)  Mounting Brackets - for MG-507-1 & MG-507A-1 (steel fabricated)  Service Manuals - for MG-507-1  1015836  US\$ 688.50  TBA  TBA  TBA  TBA  TBA  TBA  TBA  TB	- for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)	M-1959-F	7.0 (15)	US\$ 540.60	TBA	TBA
Heat Exchanger with thermostatic by-pass valve - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses no mounting bracket)  Mounting Brackets - for MG-507-1 & MG-507A-1 (steel fabricated)  Service Manuals - for MG-507-1  1015836 US\$ 60.00		1				
Heat Exchanger with thermostatic by-pass valve - for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses no mounting bracket)  Mounting Brackets - for MG-507-1 & MG-507A-1 (steel fabricated)  Service Manuals - for MG-507-1  1015836 US\$ 60.00	- for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses)	M-1959-H	6.8 (15)	US\$ 688.50	TBA	TBA
Mounting Brackets	Heat Exchanger with thermostatic by-pass valve	1				
- for MG-507-1 & MG-507A-1 (steel fabricated)  Service Manuals - for MG-507-1  1016428-K  7.2  (16)  US\$ 265.00  Service Manuals - tor MG-507-1  1015836  US\$ 60.00	- for MG-507-1 & MG-507A-1 (loose supply, no fittings, no hoses no mounting bracket)	PM-10685A		US\$ 564.00	KS 629	US\$ 564.00
Service Manuals         US\$ 60.00           - for MG-507-1         1015836          US\$ 60.00						
- for MG-507-1 1015836 US\$ 60.00	- for MG-507-1 & MG-507A-1 (steel fabricated)	1016428-K	7.2 (16)	US\$ 265.00		
				<u> </u>		
for MG-507A-1   1015835     US\$ 60.00						
300 0000	- for MG-507A-1	1015835		US\$ 60.00		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5075 Series MARINE TRANSMISSIONS								
MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	SAE WEI		LIST	PRICE	
	NUMBER		HSG	kg	(Lbs)			
MG-5075 SC Step-up Ratios  Nearly Coaxial, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1, No. 2, No. 3 OR Special CAT SAE No. 3  - Flexible Coupling for 14" OR 11.5" Flywheel (SAE J620 size 355 OR 290):  • Dual Stage Torflex 1600 DS  - Mechanical Control Valve  - Output Flange Size GWB 587.42, SAE 4 OR SAE 3	PX-11876	0.80 1.01 1.16	SAE 1 SAE 2 SAE 3 SAE 3 CAT	123	(271)	US\$	7,002	
MG-5075 SC  Nearly Coaxial, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1, No. 2, No. 3 <u>OR</u> Special CAT SAE No. 3  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Dual Stage Torflex 1600 DS  - Mechanical Control Valve  - Output Flange Size GWB 587.42, SAE 4 <u>OR</u> SAE 3	PX-10680 PX-10680-A* PX-10680-B PX-10680-C	2.05:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	123	(271)	US\$	6,365	
MG-5075 A  7° Down Angle, Aluminum Housing with Following Standard Equipment: - SAE J617 Housing No. 1, No. 2, No. 3 OR Special CAT SAE No. 3 - Flexible Coupling for 14" OR 11.5" Flywheel (SAE J620 size 355 OR 290):  • Dual Stage Torflex 1600 DS - Mechanical Control Valve - Output Flange Size GWB 587.42, SAE 4 OR SAE 3	PX-10700 PX-10700-A* PX-10700-B PX-10700-C	2.05:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	122	(269)	US\$	6,365	
MG-5075 IV  7° Down Angle, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1, No. 2, No. 3 OR Special CAT SAE No. 3  - Flexible Coupling for 14" OR 11.5" Flywheel (SAE J620 size 355 OR 290):  • Dual Stage Torflex 1600 DS  - Mechanical Control Valve  - Output Flange Size GWB 587.42 OR SAE 4	PX-11530 PX-11530-A* PX-11530-B	1.30:1 1.49:1 1.72:1 1.99:1 2.46:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	150	(330)	US\$	8,275	

### **Important Notes:**

MG-5075 series cannot be used on engines with left-hand rotation.

The output flange size SAE 3 can only be used for a max. engine rating of 373 kW (500 hp) @ 2300 rpm

PX10680-C and PX-10700-C are for Yanmar 6LY engines and require a long housing and coupling hub.

The Vulkan TORFLEX 1600 DS coupling can only be used in Pleasure Craft rated applications

 $<sup>\</sup>ensuremath{^{\star}}$  For use with Caterpillar engines having Starter-Over-Gear.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5075 Series ACCESSO	RIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIELD	
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (all Models)	DV 40740	7.0 (47)	See de la de la		
Dual Stage Torflex 1600 DS for 14" Flywheel (SAE J620 size 355)  Dual Stage Torflex 1600 DS for 11.5" Flywheel (SAE J620 size 290)  Dual Stage Torflex 1600 DS for 11.5" Flywheel (SAE J620 size 290) Special for Yanmar Engine 6CX (1)  Dual Stage Torflex 1600 DS for 11.5" Flywheel (SAE J620 size 290) Special for Yanmar Engine 6LY(2)  Natural Rubber, Dual Stage Centa DS-45-7 for 14" Flywheel (SAE J620 size 355)  Natural Rubber, Dual Stage Centa DS-45-7 for 11.5" Flywheel (SAE J620 size 290)	PX-10749 PX-10748 PX-11648 PX-11712A PX-10953 PX-10918-A	7.9 (17)   	included included US\$ 320.00 US\$ 415.00 US\$ 125.00 US\$ 122.00	TBA KS 615 *	TBA US\$1,302.00
Silicon Rubber (First Stage), Dual Stage Centa DS-45-7 for 14" Flywheel (SAE J620 size 355) Silicon Rubber (First Stage), Dual Stage Centa DS-45-7 for 11.5" Flywheel (SAE J620 size 290) Natural Rubber, Dual Stage Centa DS-40 for 11.5" Flywheel (SAE J620 size 290) Centaflex CF-R-136 for 11.5" Flywheel (SAE J620 size 290)	PX-10953-A PX-10918 PX-10895 PX-12075	9.7 (21)	US\$ 237.00 US\$ 138.00 US\$ 44.00 US\$ 130.00		
P.T.O.	_	ı			
Live pump mount PTO - SAE-J-744 size 101-4, 22-4, max. 197 Nm (ex. SAE B, 4-bolt or 2-bolt) - for MG-5075 SC & MG-5075 A use when heat exchanger PM-10685 is NOT installed - for MG-5075 SC & MG-5075 A use when heat exchanger PM-10685 is installed (bracket included) No clutchable PTO (pump mount or shaft drive) available	See Installation Drawing	5.0 (11) 5.0 (11)	US\$ 158.00 US\$ 330.00	KS-644 * KS-664 *	US\$ 158.00 US\$ 330.00
The state habite 1.10 (partly mount of state arres) available					
Control Valve					
Mechanical control valve (22.8 bar/330 p.s.i.) - for MG-5075 SC & MG-5075 A  Electric control valve (22.8 bar/330 p.s.i 24 VDC) - for MG-5075 SC & MG-5075 A  Electric control valve (22.8 bar/330 p.s.i 12 VDC) - for MG-5075 SC & MG-5075 A  Please note: Rate-of-Rise is standard on all available mechanical and electric selector valves	See Installation Drawing PX-10725		Standard US\$ 339.00 US\$ 339.00	KS 477 * KS 475 * KS 476 *	US\$ 806.00 US\$1,198.00 US\$1,198.00
Tralling					
Trolling Mechanical trolling valve for mechanical selector valve - for MG-5075 SC & MG-5075 A	PX-8871-B		US\$ 184.00	KS 467 *	US\$ 287.00
Mechanical trolling valve for electric selector valve - for MG-5075 SC & MG-5075 A	PX-8871-C		US\$ 184.00	KS 520 *	US\$ 287.00
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used - for MG-5075 SC & MG-5075 A	1020077C	2.4 (5)	US\$ 610.00	KS 591 *	US\$ 610.00
Oil Filter	<u> </u>	l			
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements (w/o heat exchang Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements (with heat exchange)		2.8 (6) 2.8 (6)	US\$ 320.00 US\$ 320.00	KS 708 * KS 727 *	US\$ 320.00 US\$ 336.00
Output Flange (all Models)	•				
Output flange for MG-5075 SC & MG-5075 A - output flange size GWB 587.42 - output flange size SAE 4 - output flange size SAE 3 (limited to 358 kW (480 hp) @ 2800 rpm and ratio 2.05:1 and less)	P-10736 P-10899A P-10898	 	Standard no extra cost no extra cost		
Companion Flange (all Models)	<u> </u>	l			
Companion Flange including bolts and nuts - for output flange size GWB 587.42 - for output flange size SAE 4 - for output flange size SAE 3 (limited to 373 kW (500 hp) @ 2300 rpm and ratio 2.05:1 and less)	PX-10778 PX-10963 PX-8775-A	TBA TBA TBA	US\$ 275.00 US\$ 304.00 US\$ 222.00		
Monitoring (all Models)					
Pressure gauge (loose) Temperature gauge and switch (loose)	B-1703-D B-3424	0.5 (1) 0.5 (1)	US\$ 64.00 US\$ 119.00		
Heat Exchanger (all Models)					
Heat exchanger with thermostatic bypass valve - loose supply, no hoses, fittings nor mounting bracket - mounted on unit, hoses, fittings and mounting bracket (included with PTO) (with PTO) - mounted on unit, hoses, fittings and mounting bracket included (w/o PTO)	PM-10685A PM-10685A PM-10685A	TBA TBA TBA	US\$ 564.00 US\$ 702.00 US\$ 874.00	KS 629 * KS 474 * KS 480 *	US\$ 564.00 US\$ 702.00 US\$ 874.00
Mounting Brackets - for MG-5075 SC & MG-5075 A	1016428-AK	11.0 (24)	US\$ 320.00		
Service Manuals	ı	l			
- for MG-5075 SC - for MG-5075 A	1020871 1018870	==	US\$ 60.00 US\$ 60.00		

## The Vulkan TORFLEX 1600 DS coupling can only be used in Pleasure Craft rated applications

- 1) For Yanmar 6CX engine, PX11648 or PX12075 flat flywheel coupling are required.
  2) For Yanmar 6LY engine, PX11712A extended hub coupling and extended housing (P11692) are required (KS615 includes P11692 housing and PX11712A coupling)

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5081 Series MARINE 1	TRANSMISSION OF THE PROPERTY O	ONS		•			
MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WE	IGHT	LIST	PRICE
	NUMBER		HSG	kg	(Lbs)		
MG-5081 SC - Step-up Ratios							
Coaxial Marine Transmission with Following Standard Equipment:		0.91:1	SAE 1	185	(407)	US\$	8,653
- SAE J617 Housing No. 1 <u>OR</u> No. 2			SAE 2	180	(396)	US\$	8,516
- Flexible Coupling for 14" OR 11.5" Flywheel (SAE J620 size 355 OR 290):	PX-9800						
<ul> <li>Non-Silicon Vulkardan E-4010 Series</li> </ul>		0.76:1	SAE 1	185	(407)	US\$	8,931
- Mechanical Control Valve			SAE 2	180	(396)	US\$	8,794
- Output Flange Size SAE 4							
MG-5081 SC							
Coaxial Marine Transmission with Following Standard Equipment:		1.12:1	SAE 1	185	(407)	US\$	8,233
- SAE J617 Housing No. 1, No. 2 <u>OR</u> No. 3		1.30:1					
<ul> <li>Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):</li> </ul>	PX-8980	1.51:1	SAE 2	180	(396)	US\$	8,096
<ul> <li>Non-Silicon Vulkardan E-4010 Series</li> </ul>		1.97:1					
- Mechanical Control Valve		2.48:1	SAE 3	175	(385)	on re	equest
- Output Flange Size SAE 4							
MG-5081 A							
7° Down Angle Marine Transmission with Following Standard Equipment:		1.12:1	SAE 1	185	(407)	US\$	8,395
- SAE J617 Housing No. 1, No. 2 <u>OR</u> No. 3		1.30:1					
<ul> <li>Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):</li> </ul>	PX-9160	1.51:1	SAE 2	180	(396)	US\$	8,258
<ul> <li>Non-Silicon Vulkardan E-4010 Series</li> </ul>		1.97:1					
- Mechanical Control Valve		2.48:1	SAE 3	175	(385)	on re	equest
- Output Flange Size SAE 4							

## Important Notes:

MG-5081 SC and MG-5081 A cannot be used on engines with left-hand rotation.

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MG-5081 Series ACCES	SORIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE		D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (all Models)		•	1		
Non-Silicon Vulkardan E-4010 Series for 14" Flywheel (SAE J620 size 355)	P-9476		included		
Non-Silicon Vulkardan E-4010 Series for 11.5" Flywheel (SAE J620 size 290)	P-9472		included	KS 280 *	
Silicon Vulkardan E-4011 S for 14" Flywheel (SAE J620 size 355)	P-10532		US\$ 331.00		
Silicon Vulkardan E-4011 S for 11.5" Flywheel (SAE J620 size 290)	P-10773		US\$ 331.00		
Natural Rubber, Dual Stage Centa DS-45-7 for 14" Flywheel (SAE J620 size 355)	PX-10658		US\$ 137.00	KS 382 *	
Natural Rubber, Dual Stage Centa DS-45-7 for 11.5" Flywheel (SAE J620 size 290)	PX-10602		US\$ 110.00	KS 381 *	
P.T.O.					
No PTO (live or clutchable, pump mount or shaft drive) available	N/A	N/A	N/A	N/A	N/A
Control Valve					
Mechanical control valve (26.9 bar/390 p.s.i.)					
- for MG-5081 SC & MG-5081 A	PX-9504-A		Standard	KS 570 *	US\$ 864.00
Electric control valve (26.9 bar/390 p.s.i 24 VDC)					
- for MG-5081 SC & MG-5081 A	PX-11585C		US\$ 415.00	KS 587 *	US\$1,289.00
Electric control valve (26.9 bar/390 p.s.i.) - 12 VDC)					
- for MG-5081 SC & MG-5081 A	PX-11585C		US\$ 415.00	KS 588 *	US\$1,289.00
<u>Please note:</u> Rate-of-Rise is standard on all available mechanical and electric selector valves					
Trolling					
Mechanical trolling valve for mechanical selector valve (use with P.R.O.R.@ 390 psi) - for MG-5081 SC & MG-5081 A	PX-9525-A	9.5 (21)	US\$ 242.00	KS 611 *	US\$ 329.00
Mechanical trolling valve for electric selector valve		, ,			
- for MG-5081 SC & MG-5081 A	PX-10025-C		US\$ 242.00	N/A	N/A
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used					
- for MG-5081 SC & MG-5081 A	1020077A	2.4 (5)	US\$ 610.00	KS 590 *	US\$ 610.00
Oil Filter					
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements	PX-11653	2.8 (6)	US\$ 320.00		
Companion Flange (all Models)					
Companion Flange including bolts and nuts (11/4" plain bore)					
- for output flange size SAE 4	PX-9153	13.6 (30)	US\$ 231.00		
Monitoring (all Models)					
Pressure gauge (loose)	B-1703-D	0.5 (1)	US\$ 64.00		
Temperature gauge and switch (loose)	B-3424	0.5 (1)	US\$ 119.00		
Heat Exchanger (all Models)	<u> </u>				
Heat exchanger with thermostatic bypass valve			_	_	
- loose supply, no hoses, fittings nor mounting bracket	PM-10685A	TBA	US\$ 564.00	KS 629 *	US\$ 564.00
- mounted on unit, hoses, fittings and mounting bracket included	PM-10685A	TBA	US\$ 874.00		
Mounting Brackets					
- for MG-5081 SC & MG-5081 A (steel fabricated)	1016428-K	7.2 (16)	US\$ 265.00		
Service Manuals					
-for MG5081 SC	1015920		US\$ 60.00		
-for MG5081 A	1017811		US\$ 60.00		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

**PRICE GUIDE: M-10 EFFECTIVE: 07-01-04** 

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# **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WEIGHT		LIST PRICE	
	NUMBER		HSG	kg	(Lbs)		
MG-5082 SC		1.06:1					
Nearly Coaxial, Aluminum Housing with Following Standard Equipment:		1.33:1	SAE 1	136	(300)	US\$	7,943
- SAE J617 Housing No. 1 OR No. 2		1.53:1					
- Flexible Coupling for 14" OR 11.5" Flywheel (SAE J620 size 355 OR 290):	PX-11250-A	1.77:1	SAE 2			US\$	7,943
Non-Silicon Vulkardan E-4010 Series		2.05:1					
- Mechanical Control Valve		2.53:1					
- Output Flange Size SAE 4		2.88:1					
MG-5082 A		1.06:1					
7° Down Angle, Aluminum Housing with Following Standard Equipment:		1.33:1	SAE 1	136	(300)	US\$	8,093
- SAE J617 Housing No. 1 OR No. 2		1.53:1					
- Flexible Coupling for 14" OR 11.5" Flywheel (SAE J620 size 355 OR 290):	PX-11040-B	1.77:1	SAE 2			US\$	8,093
Non-Silicon Vulkardan E-4010 Series		2.05:1					
- Mechanical Control Valve		2.53:1					
- Output Flange Size SAE 4		2.88:1					

Important Notes: MG-5082 SC and MG-5082 A cannot be used on engines with left-hand rotation.

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MG-5082 Series ACCESSO	RIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIELI	
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (all Models)	D 44000	1			
Non-Silicon Vulkardan E-4010 Series for 14" Flywheel (SAE J620 size 355)	P-11832		included		
Non-Silicon Vulkardan E-4010 Series for 11.5" Flywheel (SAE J620 size 290)	P-11833		included		
Silicon Vulkardan E-4011 S for 14" Flywheel (SAE J620 size 355) Silicon Vulkardan E-4011 S for 11.5" Flywheel (SAE J620 size 290)	P-11832B P-11833B		US\$ 284.00 US\$ 284.00		
Centaflex CF-R-216 for 14" Flywheel (SAE J620 size 355)			US\$ 284.00 US\$ 364.00		
Centallex CF-R-216 for 14. Flywheel (SAE J620 size 399) Centaflex CF-R-216 for 11.5" Flywheel (SAE J620 size 290)	PX-11543 PX-11951		US\$ 364.00 US\$ 153.00		
Centallex CF-R-216 for 11.5 Flywheet (SAE 3620 Size 290)	PA-11951		035 155.00		
P.T.O.	1	l	ı		
Live pump mount PTO - SAE-J-744 size 101-4, 22-4, max. 197 Nm (ex. SAE B, 4-bolt or 2-bolt)	See				
- for MG-5082 SC & MG-5082 A use when heat exchanger PM-10685 is NOT installed	Installation	5.0 (11)	US\$ 158.00	KS-644 *	US\$ 158.00
- for MG-5082 SC & MG-5082 A use when heat exchanger PM-10685 is installed	Drawing	5.0 (11)	US\$ 330.00	KS-664 *	US\$ 330.00
No clutchable PTO (pump mount or shaft drive) available					
Control Valve					
Mechanical control valve (24.8 bar/360 p.s.i.)	See				
- for MG-5082 SC & MG-5082 A	Installation		Standard	KS477 *	US\$ 806.00
Electric control valve (24.8 bar/360 p.s.i 24 VDC)	Drawing				
- for MG-5082 SC & MG-5082 A	PX-10725		US\$ 339.00	KS 475 *	US\$1,198.00
Electric control valve (24.8 bar/360 p.s.i.) - 12 VDC)					
- for MG-5082 SC & MG-5082 A	PX-10725		US\$ 339.00	KS 476 *	US\$1,198.00
Please note: Rate-of-Rise is standard on all available mechanical and electric selector valves					
Trolling		l	L		
Mechanical trolling valve for mechanical selector valve					
- for MG-5082 SC & MG-5082 A	PX-8871-B		US\$ 184.00	KS 467 *	US\$ 287.00
Mechanical trolling valve for electric selector valve					
- for MG-5082 SC & MG-5082 A	PX-8871-C		US\$ 184.00	KS 520 *	US\$ 287.00
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used					
- for MG-5082 SC & MG-5082 A	1020077C	2.4 (5)	US\$ 610.00	KS 591 *	US\$ 610.00
Oil Filter	<u> </u>				
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements (w/o heat exchang	PX-11653	2.8 (6)	US\$ 320.00	KS 708 *	US\$ 320.00
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements (with heat exchange	PX-11653	2.8 (6)	US\$ 320.00	KS 727 *	US\$ 336.00
Companion Flange (all Models)					
Companion Flange including bolts and nuts					
- for output flange size SAE 4	PX-9153	13.6 (30)	US\$ 231.00		
Monitoring (all Models)	B-1703-D	0.5 (1)	US\$ 64.00		
Pressure gauge (loose) Temperature gauge and switch (loose)	B-3424	0.5 (1) 0.5 (1)	US\$ 119.00		
Temperature gauge and switch (100se)	D-3424	0.5 (1)	03\$ 119.00		
Heat Exchanger (all Models)					
Heat exchanger with thermostatic bypass valve					
- loose supply, no hoses, fittings nor mounting bracket	PM-10685A	TBA	US\$ 564.00	KS 629	US\$ 564.00
- mounted on unit, hoses, fittings and mounting bracket included	PM-10685A	TBA	US\$ 874.00		
Mounting Brackets	1	1	ı		
- for MG-5082 SC & MG-5082 A	1016428-AR	11.0 (24)	US\$ 280.00		
Service Manuals	<u> </u>	l .			
- for MG-5082 SC	1020115		US\$ 60.00		
- for MG-5082 A	1020114		US\$ 60.00		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

**PRICE GUIDE: M-10 EFFECTIVE: 07-01-04** 

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# **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5085 Series MARINE						L LOT DDIOF	
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIST	PRICE
MG-5085 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1, No. 2, No. 3 <u>OR</u> Special CAT SAE No. 3  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-3412 or E-3415 Series  - Mechanical Control Valve  - Output Flange Size SAE 4	PX-9260-B PX-9260-C*	1.05:1 1.22:1 1.42:1 1.76:1 1.96:1 2.33:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	129 120 120 120	(284) (264) (264) (264)	US\$ US\$ US\$ US\$	7,259 7,259 7,259 7,259
MG-5085 A 7° Down Angle, Aluminum Housing with Following Standard Equipment: - SAE J617 Housing No. 1, No. 2, No. 3 OR Special CAT SAE No. 3 - Flexible Coupling for 14" OR 11.5" Flywheel (SAE J620 size 355 OR 290): • Non-Silicon Vulkardan E-3412 or E-3415 Series - Mechanical Control Valve - Output Flange Size SAE 4	PX-9360-B PX-9360-C*	1.05:1 1.22:1 1.47:1 1.72:1 2.04:1 2.43:1	SAE 1 SAE 2 SAE 3 SAE 3 CAT	129 120 120 120	(284) (264) (264) (264)	US\$ US\$ US\$ US\$	7,406 7,406 7,406 7,406

Important Notes:
Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required.

<sup>\*</sup> For use with Caterpillar engines having Starter-Over-Gear.

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MG-5085 Series ACCESS	SORIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE		D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (all Models)	D 40004		المحاديط مبا		
Non-Silicon Vulkardan E-3412 or E-3415 for 14" Flywheel (SAE J620 size 355) Non-Silicon Vulkardan E-3412 or E-3415 for 11.5" Flywheel (SAE J620 size 290)	P-10994 P-10956		included included		
Natural Rubber Centa DS-45-7 for 14" Flywheel (SAE J620 size 355)	P-10956 PX-10995		US\$ 380.00		
Natural Rubber Centa DS-45-7 for 14 Flywheel (SAE J620 size 355)  Natural Rubber Centa DS-45-7 for 11.5" Flywheel (SAE J620 size 290)	PX-10995 PX-10993		US\$ 380.00 US\$ 109.00		
INATURAL RUDDER CERTA D5-45-7 for 11.5 Flywriaet (SAE 3620 Size 290)	PA-10993		03\$ 109.00		
P.T.O.	- I				
Live pump mount PTO - SAE-J-744 size 101-4, 22-4, max. 197 Nm (ex. SAE B, 2 and 4-bolt)	See				
- for MG-5085 SC & MG-5085 A (without heat exchanger possibility)	Installation	1.8 (4)	US\$ 178.00	KS 745 *	US\$ 178.00
Live pump mount PTO - SAE-J-744 size 101-4, 22-4, max. 197 Nm (ex. SAE B, 2 and 4-bolt)	Drawing				
- for MG-5085 SC & MG-5085 A (with heat exchanger possibility) (bracket included)			US\$ 351.00	KS 746 *	US\$ 351.00
No elistebable DTO (essent escript es abatt desa) escribble					
No clutchable PTO (pump mount or shaft drive) available  Control Valve					
Mechanical control valve (22.8 bar/330 p.s.i.)	See				
- for MG-5085 SC & MG-5085 A	Installation		Standard	KS 571 *	US\$ 673.00
Electric control valve (22.8 bar/330 p.s.i 24 VDC)	Drawing		Otaridara	110 07 1	ουφ οι οι οι ο
- for MG-5085 SC & MG-5085 A	PX-10566		US\$ 288.00	KS 406 *	US\$1,077.00
Electric control valve (22.8 bar/330 p.s.i 12 VDC)					
- for MG-5085 SC & MG-5085 A	PX-10566		US\$ 288.00	KS 405 *	US\$1,077.00
Please note: Rate-of-Rise is standard on all available mechanical and electric selector valves					
Trolling					
Mechanical trolling valve for mechanical selector valve					
- for MG-5085 SC & MG-5085 A	PX-8871-A		US\$ 204.00	KS 340 *	US\$ 332.00
Mechanical trolling valve for electric selector valve					
- for MG-5085 SC & MG-5085 A	PX-8871-D		US\$ 204.00	KS 386 *	US\$ 339.00
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used	40000777			140 007 4	
- for MG-5085 SC & MG-5085 A	1020077B	2.4 (5)	US\$ 610.00	KS 607 *	US\$ 610.00
Oil Filter					
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements	PX-11653	2.8 (6)	US\$ 320.00	KS 564 *	US\$ 392.00
Companion Flange (all Models)		1			
Companion Flange including bolts and nuts (11/4" plain bore) - for output flange size SAE 4	PX-9153	13.6 (30)	US\$ 231.00		
- 101 Output hange size SAE 4	FA-9155	13.6 (30)	03\$ 231.00		
Monitoring (all Models)	L.				
Pressure gauge (loose)	B-1703-D	0.5 (1)	US\$ 64.00		
Temperature gauge and switch (loose)	B-3424	0.5 (1)	US\$ 119.00		
Heat Exchanger (all Models)					
Heat exchanger (all woders) Heat exchanger with thermostatic bypass valve					
- loose supply, no hoses, fittings nor mounting bracket	PM-10685A		US\$ 564.00	KS 629 *	US\$ 564.00
- mounted on unit, hoses, fittings and mounting bracket (included with PTO) (use with PTO)	PM-10685A		US\$ 702.00	110 023	30ψ 304.00
- mounted on unit, hoses, fittings and mounting bracket included (use without PTO)	PM-10685A		US\$ 874.00	KS 759 *	US\$ 874.00
	100007	_	200 014.00		550 574.00
Mounting Brackets					
- for MG-5085 SC & MG-5085 A (steel fabricated)	1016428-F	12.7 (28)	US\$ 295.00		
Service Manuals	1	1			
- for MG-5085 SC	1019936		US\$ 60.00		
- for MG-5085 A	1018869		US\$ 60.00		
					<u> </u>

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WEIGHT		LIST	PRICE
	NUMBER		HSG	kg	(Lbs)		
MG-509 SC		1.45:1					
Vertical Offset Marine Transmission with Following Standard Equipment:		2.00:1	SAE 2	260	(573)	US\$	12,057
- SAE J617 Housing No. 1 <u>OR</u> No. 2	X-9816-F	2.48:1					
- Rubber Block Drive for 14" OR 11.5" Flywheel (SAE J620 size 355 OR 290):		2.95:1					
- Mechanical Control Valve		3.38:1	SAE 1	263	(579)	US\$	12,057
MG-509 DC							
Vertical Offset Marine Transmission with Following Standard Equipment:		3.83:1	SAE 2	323	(711)	US\$	14,277
- SAE J617 Housing No. 1 <u>OR</u> No. 2	X-9835	4.50:1					
<ul> <li>Rubber Block Drive for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):</li> </ul>		4.95:1					
- Mechanical Control Valve			SAE 1	327	(720)	US\$	14,277

### **Important Notes:**

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required.

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MG-509 Series ACCES	SORIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE		D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (all Models)		•			
Natural Rubber, Dual Stage Centa DS-45-7 for 14" Flywheel (SAE J620 size 355)	PX-10322		US\$ 320.00	KS 369 *	
Natural Rubber, Dual Stage Centa DS-45-7 for 11.5" Flywheel (SAE J620 size 290)	PX-10509		US\$ 91.00	KS 346 *	
P.T.O.					
Clutchable shaft drive Top-PTO, mechanical PTO control valve, max. 221 Nm					
- for MG-509 SC & MG-509 DC (BOM 31149)	X-9807-A	34.5 (76)	US\$ 5,320.00	TBA	
Control Valve	l				
Mechanical control valve (13.8 bar/200 p.s.i.)					
- for MG-509 SC & MG-509 DC	XA-7371		Standard	K 593 *	US\$ 895.00
Electric control valve (24 VDC) (13.8 bar/200 p.s.i.)					
- for MG-509 SC & MG-509 DC	PX-10285E		US\$ 242.00	KS 408 *	US\$ 762.00
Electric control valve (12 VDC) (13.8 bar/200 p.s.i.)					
- for MG-509 SC & MG-509 DC	PX-10285E		US\$ 242.00	KS 407 *	US\$ 762.00
Please note: Rate-of-Rise is standard on all available mechanical and electric selector valves					
Trolling	1				
Mechanical trolling valve for mechanical selector valve (PX-9975 series)					
- for MG-509 SC & MG-509 DC	XA-7373	6.5 (14)	US\$ 1,048.00	K 643 *	US\$1,790.00
Mechanical trolling valve for electric selector valve					
- for MG-509 SC & MG-509 DC	PX-10505E	TBA	TBA	KS 387 *	US\$ 433.00
Companion Flange			,		
Companion Flange including bolts and nuts					
- for MG-509 SC (1-1/2" plain bore)	XA-5224-AA	10.9 (24)	US\$ 222.00		
- for MG-509 DC (1-1/2" plain bore)	XA-6988-A	34.1 (75)	US\$ 405.00		
Monitoring (all Models)					
Pressure gauge (loose)	B-1703-D	0.5 (1)	US\$ 64.00		
Temperature gauge and switch (loose)	B-3424	0.5 (1)	US\$ 119.00		
Heat Exchanger (all Models)					
Heat Exchanger for fresh water cooling ((jacket or keel, limited to 300 hp)					
<ul> <li>for MG-509 SC &amp; MG-509 DC (loose supply, incl. fittings &amp; hoses, no mounting bracket)</li> </ul>	M-1961-F	7.0 (15)	US\$ 447.72	K 39 *	US\$ 510.00
Heat Exchanger for raw water cooling:					
- for MG-509 SC & MG-509 DC (loose supply, no fittings, no hoses, no mounting bracket)	M-1961-H	6.8 (15)	US\$ 504.90	TBA	TBA
- for MG-509 SC & MG-509 DC (loose supply, incl. fittings and hoses, no mounting bracket)	M-1961-H	7.5 (17)	TBA	K 77	US\$ 510.00
Heat exchanger with thermostatic bypass valve					
- loose supply, no hoses, fittings nor mounting bracket	PM-10685A	TBA	US\$ 564.00	KS 629 *	US\$ 564.00
- mounted on unit, hoses, fittings and mounting bracket included	PM-10685A	TBA	US\$ 874.00		
Mounting Brackets	· · · · · · · · · · · · · · · · · · ·				
- for MG-509 DC (steel fabricated)	not available		not available		
Service Manuals	<u> </u>				
- for MG-509 SC & MG-509 DC	1015793		US\$ 60.00		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5090 Series MARINE 1	<b>TRANSMISSIO</b>	ONS					
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEI kg	GHT (Lbs)	LIST	PRICE
WG-5091 SC  Vertical Offset Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 2  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-4010 Series <u>OR</u> Centaflex CF-R-216  - Mechanical Control Valve	PX-10016	1.17:1 1.45:1 1.71:1 2.04:1 2.45:1	SAE 2 SAE 1	220	(485) (507)	US\$	8,828 8,828
MG-5091 SC  Vertical Offset Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 2  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-4010 Series <u>OR</u> Centaflex CF-R-216  - Mechanical Control Valve	PX-10016	2.95:1 3.33:1	SAE 2 SAE 1	233 242	(513) (533)	US\$	9,307 9,307
MG-5091 DC  Vertical Offset Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 2  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-4010 Series <u>OR</u> Centaflex CF-R-216  - Mechanical Control Valve	1002155	3.82:1 4.50:1 5.05:1	SAE 2 SAE 1	285 295	(628) (650)	US\$	11,169 11,169
MG-5090 A  7° Down Angle Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 2  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-4010 Series <u>OR</u> Centaflex CF-R-216  - Mechanical Control Valve	PX-10015	1.05:1 1.45:1 1.73:1 1.96:1 2.43:1	SAE 2 SAE 1	240 250	(529) (551)	US\$	8,828 8,828

## Important Notes:

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required.

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Product Group K

PRO-PAS L

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5090 Series ACCESSO	RIES				
DESCRIPTION MG GGGG AGGEGGG	DRAWING	WEIGHT	LIST PRICE	FIELI	D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (all Models)		1			
Non-Silicon Vulkardan E-4010 Series for 14" Flywheel (SAE J620 size 355)	P-9476		included	KS 281	
Non-Silicon Vulkardan E-4010 Series for 11.5" Flywheel (SAE J620 size 290) Silicon Vulkardan E-4011 S for 14" Flywheel (SAE J620 size 355)	P-9472 P-10532		included	KS 577 KS 435	
Silicon Vulkardan E-4011 S for 14 Flywheel (SAE J620 size 355) Silicon Vulkardan E-4011 S for 11.5" Flywheel (SAE J620 size 290)	P-10532 P-10773		US\$ 294.00 US\$ 294.00	KS 435 KS 617	
Centaflex CF-R-216 for 14" Flywheel (SAE J620 size 355)	P-10//3		035 294.00	N3 017	
- for MG-5091 SC & MG-5091 DC	PX-11135		included		
- for MG-5090A	PX-11140		included		
Centaflex CF-R-216 for 11.5" Flywheel (SAE J620 size 290)	1 % 11140		moradea		
- for MG-5091 SC & MG-5091 DC	PX-11137		included		
- for MG-5090A	PX-11138		included		
P.T.O.	1	1			
Live pump mount PTO - SAE-J-744 size 127-4, 32-4, max. 597 Nm (ex. SAE C, 4-bolt)					
- for MG-5091 SC & MG-5091 DC	XB-6243	11.4 (25)	US\$ 659.00	KS 528 *	US\$ 659.00
- for MG-5090 A	XB-6243	11.4 (25)	US\$ 659.00	KS 527 *	US\$ 659.00
Clutchable pump mount PTO, mechanical PTO control valve - SAE-J-744 size 127-4, 32-4,					
(ex. SAE C, 4-bolt), max. 415 Nm					
- for MG-5091 SC	XA-7554A	27.2 (60)	US\$ 2,415.00	KS 486 *	US\$2,415.00
- for MG-5091 DC	XA-7554A	27.2 (60)	US\$ 2,415.00	KS 489 *	US\$2,415.00
- for MG-5090 A	XA-7553A	27.2 (60)	US\$ 2,415.00	KS 576	US\$2,415.00
Clutchable shaft drive PTO, mechanical PTO control valve, max. 415 Nm	1	ĺ			
- for MG-5091 SC	XA-7554	27.2 (60)	US\$ 2,415.00	KS 584	US\$2,415.00
- for MG-5091 DC	XA-7554	27.2 (60)	US\$ 2,415.00	KS 538 *	US\$2,415.00
- for MG-5090 A	XA-7553	27.2 (60)	US\$ 2,415.00	TBA	
Electric control valve for clutchable PTO (pump drive and shaft drive)	PX-10508	TBA	US\$ 35.00	TBA	
PTO Adapter from SAE-J-744 size 127-4, 32-4 (ex. SAE C, 4-bolt) to size 101-2, 22-4 (ex. SAE B, 2-bolt)	XB-2403	2.3 (5)	US\$ 227.00	TBA	
Control Valve	_	1	1		
Mechanical control valve					
- for MG-5091 SC, MG-5090 A (18.6 bar/270 p.s.i.)	PX-9975K		Standard	KS 437 *	US\$ 480.00
- for MG-5091 DC (17.2 bar/250 p.s.i.)	PX-9975M		Standard	KS 368 *	US\$ 480.00
Electric control valve (24 VDC)	DV 40005			140 000 +	
- for MG-5091 SC, MG-5090 A (18.6 bar/270 p.s.i.)	PX-10285		US\$ 242.00	KS 393 *	US\$ 762.00
- for MG-5091 DC (17.2 bar/250 p.s.i.)	PX-10285		US\$ 242.00	KS 327 *	US\$ 767.00
Electric control valve (12 VDC)	DV 40005		1100 040 00	KO 005 *	1100 700 00
- for MG-5091 SC, MG-5090 A (18.6 bar/270 p.s.i.)	PX-10285 PX-10285		US\$ 242.00 US\$ 242.00	KS 395 * KS 364 *	US\$ 762.00 US\$ 763.00
- for MG-5091 DC (17.2 bar/250 p.s.i.)	FA-10265		035 242.00	NO 304	03\$ 763.00
Please note: Rate-of-Rise is standard on all available mechanical and electric selector valves					
Trolling			l		
Mechanical trolling valve for mechanical selector valve (PX-9975 series)					
- for MG-5091 SC, MG-5091 DC & MG-5090 A	PX-10790	2.7 (6)	US\$ 301.00	KS-498 *	US\$ 412.00
Mechanical trolling valve for electric selector valve	174 10700	2 (0)	000		000 112.00
- for MG-5091 SC, MG-5091 DC & MG-5090 A	PX-10505	TBA	US\$ 301.00	KS 387 *	US\$ 433.00
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used					
- for MG-5091 SC, MG-5091 DC & MG-5090 A	1020230A	2.4 (5)	US\$ 644.00	KS 608	US\$ 644.00
Oil Filter		(-/	,,		007 000
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements	PX-11653	2.8 (6)	US\$ 320.00		
- for MG-5090 A	PX-11653	2.8 (6)	US\$ 345.00	KS 606	US\$ 345.00
		, ,			
Companion Flange					
Companion Flange including bolts and nuts					
- for MG-5091 SC (ratio 2.45:1 and less) & MG-5090 A	1002739	13.6 (30)	US\$ 263.00		
- for MG-5091 SC (ratio 2.95:1 and 3.33:1)	1001882	TBA	included		
- for MG-5091 DC	XA-6988-B	34.1 (75)	US\$ 405.00		
Monitoring (all Models)					
Pressure gauge (loose)	B-1703-D	, ,	US\$ 64.00		
Temperature gauge and switch (loose)	B-3424	0.5 (1)	US\$ 119.00		
Monitoring kit for remote indication to be used with heat exchanger PM-10685 (incl. fittings)consisting of:	various	1.0 (2)	US\$ 280.00	KS-546 *	US\$ 280.00
- Pressure switch on unit / pressure and temperature sensors on heat exchanger PM-10685		L	l		
Heat Exchanger (all Models)		1	1		
Heat exchanger with thermostatic bypass valve	DM 40005:		1100 =015	1/0 000 +	1100 5015
- loose supply, no hoses, fittings nor mounting bracket	PM-10685A	7.5 (17)	US\$ 564.00	KS 629 *	US\$ 564.00
- mounted on unit, hoses, fittings and mounting bracket included (use without PTO)	PM-10685A	TBA	US\$ 874.00	KS 452 *	US\$1,002.00
Mounting Product		1	l		
Mounting Bracket	1016400 0	0.0 (20)	1100 205.00		
- for MG-5091 SC (steel fabricated mounting brakets)	1016428-Q 1016428-C	9.0 (20)	US\$ 305.00 US\$ 430.00		
- for MG-5091 DC (steel fabricated mounting brakets) - for MG-5090 A (steel fabricated mounting brakets)	1016428-C 1016428-V	18.0 (40)	US\$ 430.00 US\$ 455.00		
- 101 Mig-20an W (zreet igniticated thoriting mayerz)	1010428-V	21.0 (46)	US\$ 455.00		
Service Manuals	1	1	ı		
- for MG-5091 SC	1015981		US\$ 60.00		
- for MG-5091 DC	1015981		US\$ 60.00		
- for MG-5091 BC	1015981		US\$ 60.00		
	.5.5555	ĺ	254 00.00		
		1	1		

### Important Notes:

<sup>\*</sup> Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5114 Series MARINE TRA							
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEI kg	GHT (Lbs)	LIST	PRICE
MG-5114 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1  - Flexible Coupling for 14" Flywheel (SAE J620 size 355):  • Non-Silicon Vulkardan E-4010 Series <u>OR</u> Centaflex CF-R-216  - Mechanical Control Valve	PX-9785-B	0.93:1 1.02:1 1.12:1 1.50:1 1.74:1 2.04:1 2.54:1 3.00:1	SAE 1	213	(469)	US\$	9,894
MG-5114 DC  Vertical Offset, Cast Iron Housing with Following Standard Equipment:  - SAE J617 Housing No. 1  - Flexible Coupling for 14" Flywheel (SAE J620 size 355):  • Non-Silicon Vulkardan E-4010 Series OR Centaflex CF-R-216  - Mechanical Control Valve	PX-10250-A	3.28:1 3.43:1 4.17:1 4.59:1 4.86:1	SAE 1	360	(793)	US\$	14,035
MG-5114 A 7° Down Angle, Aluminum Housing with Following Standard Equipment: - SAE J617 Housing No. 1 <u>OR</u> No. 2 - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290): • Non-Silicon Vulkardan E-4010 Series <u>OR</u> Centaflex CF-R-216 - Mechanical Control Valve	PX-11915	1.03:1 1.20:1 1.48:1 1.75:1 1.92:1 2.04:1 2.50:1	SAE 2 SAE 1	203	(447) (460)	US\$	9,894 9,894
MG-5114 RV  Remote V-Drive, 7° Down Angle, Aluminum Housing with Following Standard Equipment: - Input Flange Size GWB 587.35 - Mechanical Control Valve - Aluminum Cast Mounting Brackets with Fasteners	PX-9830-A	1.03:1 1.20:1 1.48:1 1.75:1 1.92:1 2.50:1		205	(452)	US\$	11,320
MG-5114 IV Integral V-Drive, 14° Down Angle, Aluminum Housing with Following Standard Equipment: - SAE J617 Housing No. 1 <u>OR</u> No. 2 - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290): • Non-Silicon Vulkardan E-4010 Series <u>OR</u> Centaflex CF-R-216 - Mechanical Control Valve	PX-11920	1.05:1 1.23:1 1.52:1 1.80:1 1.98:1 2.57:1	SAE 2 SAE 1	267 273	(588) (601)	US\$	12,543 12,543
MG-5114 SC HD  Vertical Offset, Cast Iron Housing with Following Standard Equipment:  - SAE J617 Housing No. 1  - Flexible Coupling for 14" Flywheel (SAE J620 size 355):  • Non-Silicon Vulkardan E-4010 Series OR Centaflex CF-R-216  - Mechanical Control Valve	PX-11962	0.93:1 1.02:1 1.12:1 1.50:1 1.74:1 2.04:1 2.54:1 3.00:1	SAE 1	290	(639)	US\$	10,568

### **Important Notes:**

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5114 Series ACCESSO	DRIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE ADDER	FIEL NUMBER	D KIT
Torsional Couplings (all Models)	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Non-Silicon Vulkardan E-4010 Series for 14" Flywheel (SAE J620 size 355) 1)	P-9476		included		
Non-Silicon Vulkardan E-4010 Series for 11.5" Flywheel (SAE J620 size 290) 1) Silicon Vulkardan E-4011 S for 14" Flywheel (SAE J620 size 355)	P-9472 P-10532		included US\$ 294.00		
Silicon Vulkardan E-4011 S for 11.5" Flywheel (SAE J620 size 390)	P-10773		US\$ 294.00		
Centaflex CF-R-216 for 14" Flywheel (SAE J620 size 355)	PX-11374		included		
Centaflex CF-R-216 for 11.5" Flywheel (SAE J620 size 290)	PX-11375		included		
Centaflex CF-R-268 for 14" Flywheel (SAE J620 size 355)	PX-11209		TBA		
P.T.O.			ı		
Live pump mount PTO - SAE-J-744 size 127-4, 32-4, max. 597 Nm (ex. SAE C, 4-bolt) - for MG-5114 SC	PX-9768	11.4 (25)	US\$ 659.00	KS-378 *	US\$ 659.00
- for MG-5114 DC	XB-6243	11.4 (25)	US\$ 659.00	KS-528 *	US\$ 659.00
- for MG-5114 A & MG-5114 IV	PX-9768	11.4 (25)	US\$ 659.00	KS-323 *	US\$ 659.00
Clutchable pump mount PTO, mechanical PTO control valve - SAE-J-744 size 127-4, 32-4, (ex. SAE C, 4-bolt), max. 415 Nm					
- for MG-5114 SC	PX-9870A	27.2 (60)	US\$ 2,415.00	KS-352 *	US\$ 2.415.00
- for MG-5114 DC	XA-7554A	27.2 (60)	US\$ 2,415.00	KS-472 *	US\$ 2,415.00
- for MG-5114 A & MG-5114 IV	XA-7553A	27.2 (60)	US\$ 2,415.00	KS-324 *	US\$ 2,415.00
Clutchable shaft drive PTO, mechanical PTO control valve, max. 415 Nm	DV 0070	07.0 (00)	1100 0 445 00	1/0 007 #	11000 0 445 00
- for MG-5114 SC - for MG-5114 DC	PX-9870 XA-7554	27.2 (60) 27.2 (60)	US\$ 2,415.00 US\$ 2,415.00	KS-367 * KS-517 *	US\$ 2,415.00 US\$ 3,070.00
- for MG-5114 A & MG-5114 IV	XA-7553	27.2 (60)	US\$ 2,415.00	TBA	US\$ 2,412.00
Electric control valve for clutchable PTO (pump drive and shaft drive)	PX-10508	TBA	US\$ 35.00	TBA	TBA
PTO Adapter from SAE-J-744 size 127-4, 32-4 (ex. SAE C, 4-bolt) to size 101-2, 22-4 (ex. SAE B, 2-bolt)	XB-2403	2.3 (5)	US\$ 227.00	TBA	TBA
Control Valve Mechanical control valve (15.9 bar/230 p.s.i.)		1	1		
- for MG-5114 SC, MG-5114 A, MG-5114 RV & MG-5114 IV	PX-9975		Standard	KS-391 *	US\$ 466.00
- for MG-5114 DC	PX-9975		Standard	TBA	TBA
Electric control valve (15.9 bar/230 p.s.i 24 VDC)					
- for MG-5114 SC, MG-5114 A, MG-5114 RV & MG-5114 IV	PX-10225		US\$ 242.00	KS 355 *	US\$ 749.00
- for MG-5114 DC Electric control valve (15.9 bar/230 p.s.i 12 VDC)	PX-10285M		US\$ 242.00	KS 402 *	US\$ 753.00
- for MG-5114 SC, MG-5114 A, MG-5114 RV & MG-5114 IV	PX-10225		US\$ 242.00	KS 309 *	US\$ 749.00
- for MG-5114 DC	PX-10285M		US\$ 242.00	KS 403 *	US\$ 753.00
Please note: Rate-of-Rise is standard on all available mechanical and electric selector valves					
Trolling		l	I		
Mechanical trolling valve for mechanical selector valve (PX-9975 series)					
- for MG-5114 SC,MG-5114 DC, MG-5114 A, MG-5114 RV & MG-5114 IV	PX-10790C	2.7 (6)	US\$ 301.00	KS-498 *	US\$ 412.00
Mechanical trolling valve for electric selector valve - for MG-5114 SC, MG-5114 A, MG-5114 RV & MG-5114 IV (PX-10225 series)	PX-10530	TBA	US\$ 301.00	KS 331 *	US\$ 431.00
- for MG-5114 DC (PX-10285 series)	PX-10505M	TBA	US\$ 301.00	KS 387 *	US\$ 433.00
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used					
- for MG-5114 SC, MG-5114 A, MG-5114 RV & MG-5114 IV - for MG-5114 DC	1020230A 1020230	2.4 (5) 2.4 (5)	US\$ 644.00 US\$ 644.00	KS 593 * KS 608 *	US\$ 644.00 US\$ 644.00
Oil Filter	1020230	2.4 (5)	03\$ 644.00	NS 606	05\$ 644.00
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements					
- for MG-5114 A, MG-5114 RV & MG-5114 IV (less heat exchanger)	PX-11653	2.8 (6)	US\$ 334.00	KS 707 *	US\$ 378.00
<ul> <li>for MG-5114 DC (less heat exchanger)</li> <li>for MG-5114 SC, MG-5114 A, MG-5114 RV &amp; MG-5114 IV (less heat exchanger)</li> </ul>	PX-11651 PX-11653	3.0 (7) 2.8 (6)	US\$ 334.00	KS 714 *	US\$ 378.00
- 101 MG-3114 30, MG-3114 A, MG-3114 KV & MG-3114 IV (less fleat excitation)	FX-11055	2.6 (0)	03\$ 334.00	K3 / 14	03\$ 378.00
Companion Flange		ı	ı		
Companion Flange including bolts and nuts - for MG-5114 SC	PX-9842	19.5 (43)	US\$ 279.00		
- for MG-5114 DC	XA-6988-B	34.1 (75)	US\$ 405.00		
- for MG-5114 A, MG-5114 RV & MG-5114 IV	XB-5917	19.5 (43)	US\$ 284.00		
Monitoring (all Models)	D 4700 D	0.5 (4)	1100 0100		
Pressure gauge (loose) Temperature gauge and switch (loose)	B-1703-D B-3424	0.5 (1) 0.5 (1)	US\$ 64.00 US\$ 119.00		
Monitoring kit for remote indication to be used with heat exchanger PM-10685 (incl. fittings)consisting of:	various	1.0 (2)	US\$ 280.00	KS-546 *	US\$ 280.00
- Pressure switch on unit / pressure and temperature sensors on heat exchanger PM-10685		, ,			
Heat Exchanger (all Models)			l		
Heat exchanger with thermostatic bypass valve					
- loose supply, no hoses, fittings nor mounting bracket	PM-10685A	TBA	US\$ 564.00	KS-629 *	US\$ 564.00
- mounted on unit, hoses, fittings and mounting bracket included	PM-10685A	TBA	US\$ 874.00	KS-452 *	
Mounting Brackets			l		
- for MG-5114 SC (steel fabricated mounting brackets)	1016428-N	30.0 (66)	US\$ 605.00		
- for MG-5114 DC (steel fabricated mounting brackets)	1016428-AH	28.0 (62)	US\$ 675.00		
- for MG-5114 A (steel fabricated mounting brackets)	1016428-P	26.0 (57)	US\$ 605.00		
<ul> <li>for MG-5114 RV (aluminum casted mounting brackets)</li> <li>for MG-5114 IV (aluminum casted mounting brackets)</li> </ul>	P-9839 P-11707A	25.0 (55)	Standard US\$ 762.00		
- for MG-5114 V (aluminam casted mounting brackets)	1016428-AT	25.0 (55)	US\$ 655.00		
•		(-7)			
Service Manuals - for MG-5114 SC	1017586		US\$ 60.00		
- for MG-5114 SC - for MG-5114 DC	1017586		US\$ 60.00		
- for MG-5114 A	1015781		US\$ 60.00		
- for MG-5114 RV	1019787		US\$ 60.00		
- for MG-5114 IV	1019649		US\$ 60.00		

<sup>1)</sup> Please note that non-silicone Vulkardan E-4011 and Vulkardan E-4015 have a torque limitation of 2.5 kNm (602 kW (807 hp) @ 2300 rpm)

Important Notes:

\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

F.O.B. RACINE, WISCONSIN



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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MGX-5114 Series MARINE TR							
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEI kg	GHT (Lbs)	LIST	PRICE
MGX-5114 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1  - Flexible Coupling for 14" Flywheel (SAE J620 size 355):  • Non-Silicon Vulkardan E-4010 Series OR Centaflex CF-R-216  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift™ Clutch Technology  - Oil Strainer and Oil Filter Mounted	PX-11790	0.93:1 1.02:1 1.50:1 1.74:1 2.04:1 2.54:1 3.00:1	SAE 1	213	(469)	US\$	11,021
MGX-5114 DC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1  - Flexible Coupling for 14" Flywheel (SAE J620 size 355):  • Non-Silicon Vulkardan E-4010 Series <u>OR</u> Centaflex CF-R-216  - GP-Valve (New <u>G</u> eneral <u>P</u> urpose Electric Control <u>Valve</u> )  - Manual override for GP-Valve - for emergency operation  - Quickshift <sup>™</sup> Clutch Technology  - Oil Strainer and Oil Filter Mounted	PX-12170	3.28:1 3.43:1 4.17:1 4.59:1 4.86:1	SAE 1	360	(793)	US\$	15,162
MGX-5114 A 7° Down Angle, Aluminum Housing with Following Standard Equipment: - SAE J617 Housing No. 1 <u>OR</u> No. 2 - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290): • Non-Silicon Vulkardan E-4010 Series <u>OR</u> Centaflex CF-R-216 - GP-Valve (New <u>G</u> eneral <u>P</u> urpose Electric Control <u>Valve</u> ) - Manual override for GP-Valve - for emergency operation - Quickshift <sup>IM</sup> Clutch Technology - Oil Strainer and Oil Filter Mounted	PX-11730	1.03:1 1.20:1 1.48:1 1.75:1 1.92:1 2.04:1 2.50:1	SAE 2 SAE 1	203	(447) (460)	US\$	11,021 11,021
MGX-5114 RV  Remote V-Drive, 7° Down Angle, Aluminum Housing with Following Standard Equipment:  - Input Flange Size GWB 587.35  - Aluminum Cast Mounting Brackets with Fasteners  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift Clutch Technology  - Oil Strainer and Oil Filter Mounted	PX-11850	1.03:1 1.20:1 1.48:1 1.75:1 1.92:1 2.04:1 2.50:1		205	(452)	US\$	12,412
MGX-5114 IV Integral V-Drive, 14° Down Angle, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 2  - Flexible Coupling for 14" <u>OR</u> 11.5" Flywheel (SAE J620 size 355 <u>OR</u> 290):  • Non-Silicon Vulkardan E-4010 Series <u>OR</u> Centaflex CF-R-216  - GP-Valve (New <u>General Purpose Electric Control Valve</u> )  - Manual override for GP-Valve - for emergency operation  - Quickshift <sup>TM</sup> Clutch Technology  - Oil Strainer and Oil Filter Mounted	PX-11820	1.05:1 1.23:1 1.52:1 1.80:1 1.98:1 2.57:1	SAE 2 SAE 1	267 273	(588) (601)	US\$	13,596 13,596

## Important Notes:

MGX-5114 Series marine transmissions can only be used on engines with right-hand rotation.



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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MGX-5114 Series ACCESSO	RIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIELI	) KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (all Models)		,			
Non-Silicon Vulkardan E-4010 Series for 14" Flywheel (SAE J620 size 355) 1)	P-9476		included		
Non-Silicon Vulkardan E-4010 Series for 11.5" Flywheel (SAE J620 size 290) 1)	P-9472		included		
Silicon Vulkardan E-4011 S for 14" Flywheel (SAE J620 size 355)	P-10532		US\$ 294.00		
Silicon Vulkardan E-4011 S for 11.5" Flywheel (SAE J620 size 290)	P-10773		US\$ 294.00		
Centaflex CF-R-216 for 14" Flywheel (SAE J620 size 355)	PX-11374		included		
Centaflex CF-R-216 for 11.5" Flywheel (SAE J620 size 290)	PX-11375		included		
P.T.O.			l		
Live pump mount PTO - SAE-J-744 size 127-4, 32-4 (ex. SAE C, 4-bolt), max. 593 Nm					
- for MGX-5114 SC & MGX-5114 DC	PX-11824		US\$ 659.00	KS-757 *	US\$ 659.00
- for MGX-5114 SC	PX-9768	11.4 (25)	US\$ 659.00	KS-378 *	US\$ 659.00
- for MGX-5114 A & MGX-5114 IV	PX-9768	11.4 (25)	US\$ 659.00	KS-323 *	US\$ 659.00
Clutchable pump mount PTO, mechanical PTO control valve - SAE-J-744 size 127-4, 32-4,					
(ex. SAE C, 4-bolt), max. 641 Nm					
- for MGX-5114 SC	PX-12011A		US\$ 2,415.00	KS 748 *	US\$2,415.00
- for MGX-5114 DC	XA-7554A	27.2 (60)	US\$ 2,415.00	KS-472 *	US\$2,415.00
- for MGX-5114 A & MGX-5114 IV	XA-7553A	27.2 (60)	US\$ 2,415.00	KS-324 *	US\$2,415.00
PTO Adapter from SAE-J-744 size 127-4, 32-4 (ex. SAE C, 4-bolt) to size 101-4, 22-4 (ex. SAE B, 4-bolt)	XB-2403	2.3 (5)	US\$ 227.00	ТВА	TBA
1. 10 Madper Hollie 1. 2 1 1 1 1 1 2 1 1 1 1 1 2 1 1 1 1 1	713 2 100	2.0 (0)	227.00		
Control Valve	1	ı	1		
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation - for MGX-5114 SC, MGX-5114 A, MGX-5114 RV & MGX-5114 IV	standard		included	ТВА	
- 101 MGA-3114 SC, MGA-3114 A, MGA-3114 RV & MGA-3114 IV	Stariuaru		iriciuded	IDA	
Trolling	1				
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted					
- for MGX-5114 SC, MGX-5114 A, MGX-5114 RV & MGX-5114 IV	TBA		US\$ 460.00	TBA	
Oil Filter	I.				
Unit mounted oil filter	standard		included	TBA	
Companion Flange					
Companion Flange including bolts and nuts					
- for MGX-5114 SC	PX-9842	19.5 (43)	US\$ 279.00		
- for MGX-5114 A, MGX-5114 RV & MGX-5114 IV	XB-5917	19.5 (43)	US\$ 284.00		
Monitoring (all Models)  Monitoring kit for remote indication to be used with heat exchanger PM-10685 (incl. fittings) consisting of:		I			
Pressure switch on unit / pressure and temperature sensors on heat exchanger PM-10685	various	1.0 (2)	US\$ 352.00	KS-546 *	US\$ 280.00
1 1000dro ownor on ank / procedure and temperature sensors of fleat exchanger f w 10000	various	1.0 (2)	σοφ σοΣ.σσ	110 040	οοφ 200.00
Heat Exchanger (all Models)					
Heat exchanger with thermostatic bypass valve					
<ul> <li>loose supply, no hoses, fittings nor mounting bracket</li> </ul>	PM-10685A	TBA	US\$ 564.00	KS-629 *	US\$ 564.00
- mounted on unit, hoses, fittings and mounting bracket included	PM-10685A	TBA	US\$ 874.00		
Mounting Brackets	ı	I	l		
- for MGX-5114 SC (steel fabricated mounting brackets)	1016428-N	30.0 (66)	US\$ 605.00		
- for MGX-5114 A (steel fabricated mounting brackets)	1016428-P	27.0 (59)	US\$ 605.00		
- for MGX-5114 RV (aluminum casted mounting brackets)	P-9839		Standard		
- for MGX-5114 IV (aluminum casted mounting brackets)	P-10516	25.0 (55)	US\$ 762.00		
Please contact Twin Disc for OEM specific aluminum casted mounting brackets					
Service Manuals	1	1	1		
- for MGX-5114 SC	TBA		TBA		
- for MGX-5114 A	1021303		US\$ 60.00		
- for MGX-5114 RV	TBA		TBA		
- for MGX-5114 IV	TBA		TBA		

<sup>1)</sup> Please note that non-silicone Vulkardan E-4011 and Vulkardan E-4015 have a torque limitation of 2.5 kNm (602 kW (807 hp) @ 2300 rpm)

### Important Notes

Field installation kit numbers are shown for reference only. Shown prices are list price adders for factory installation of respective accessory. Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WEIGHT		LIST PRICE	
WODEL AND STANDARD EQUIT WENT	NUMBER	IXATIO	HSG	kg	(Lbs)	LIGI	TRICE
MG-5135 A  10° Down Angle, Aluminum Housing, Marine Transmission with Following Standard Equipment:							
- SAE J617 Housing No. 1 <u>OR</u> SAE No. 0 - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460):	PX-11380	1.25:1 1.53:1	SAE 1	280	(617)	US\$	14,935
<ul> <li>Silicon Vulkardan VKE4911S Series</li> <li>Non-Silicon Centaflex CF-R-268 Series</li> <li>Mechanical Control Valve</li> </ul>		1.79:1 2.00:1 2.52:1	SAE 0	280	(617)	US\$	14,935
MG-5135 RV							
Remote V-Drive, 10° Down Angle, Aluminum Housing, Marine Transmission With the Following Standard Equipment: Input Flange Size GWB 587.50 (225 mm) Mechanical Control Valve Aluminum Cast Mounting Brackets with Fasteners	PX-11945	1.25:1 1.53:1 1.79:1 2.00:1 2.52:1	None	258	(568)	US\$	15,553

Important Notes:
Twin Disc MG5135 series marine transmissions CANNOT be used on engines with left-hand rotation.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5135 Series ACCESSO	RIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE		D KIT
Torsional Couplings (all Models)	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Silicon Vulkardan VKE4911S Series for 14" Flywheel (SAE J620 size 355)	1016217		included		
Silicon Vulkardan VKE4911S Series for 18" Flywheel (SAE J620 size 460)	1016217		included		
Centaflex CF-R-268 Series for 14" Flywheel (SAE J620 size 355)	1010210		ordaod		
- for 5135 SC	PX-11521		included		
- for 5135 A	PX-11704		included		
Centaflex CF-R-268 Series for 18" Flywheel (SAE J620 size 460)					
- for 5135 SC	PX-11537		included		
- for 5135 A	PX-11705		included		
P.T.O.					
Live pump mount PTO - SAE-J-744 size 127-4, 32-4, max. 593 Nm (ex. SAE C, 4-bolt)					
- for MG-5135 A and MG-5135 SC	PX-11824			KS 757 *	
- for MG-5135 A and MG-5135 SC	PX-9768	11.4 (25)	US\$ 659.00	TBA	TBA
- for MG-5135 RV	TBA	11.4 (25)	US\$ 659.00	TBA	TBA
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 593 Nm (ex. SAE C, 4-bolt)					
- for MG-5135 A and MG-5135 SC	XA-7554-2	27.2 (60)	US\$ 2,415.00	TBA	TBA
- for MG-5135 A and MG-5135 SC	XA-7554-2	27.2 (60)	US\$ 2,415.00	TBA	TBA
- for MG-5135 RV	TBA	27.2 (60)	US\$ 2,415.00	TBA	TBA
Hydraulic Clutchable PTO, Shaft Drive - SAE-J-744 size 127-4, 32-4, max. 593 Nm (ex. SAE C, 4-bolt)					
- for MG-5135 A and MG-5135 SC	XA-7554-2	27.2 (60)	US\$ 2,415.00	TBA	TBA
- for MG-5135 A and MG-5135 SC	XA-7554-2	27.2 (60)	US\$ 2,415.00	TBA	TBA
- for MG-5135 RV	TBA	27.2 (60)	US\$ 2,415.00	TBA	TBA
		]			ĺ
PTO adapter SAE "C" to SAE "B"	XB2403	2.3 (5)	US\$ 227.00	TBA	TBA
Control Valve					
Mechanical control valve (17.24 bar/250 p.s.i.)					
- for MG-5135-A, MG-5135-SC and MG-5135-RV	PX-9975-E		Included	TBA	TBA
Electric control valve (17.24 bar/250 p.s.i 12/24 VDC)					
- for MG-5135-A, MG-5135-SC and MG-5135-RV	PX-10225-C		US\$ 231.00	TBA	TBA
Electric control valve (17.24 bar/250 p.s.i 12/24 VDC)					
- for MG-5135-A, MG-5135-SC and MG-5135-RV	PX-10225-C		US\$ 231.00	TBA	TBA
isi ine ciseri, ine cise ce ana ine cise it.			201.00	15/1	
<u>Please note:</u> Rate-of-Rise is standard on all available mechanical and electric selector valves					
Trolling Valve	1	1	1		
Mechanical trolling valve for mechanical selector valve					
- for MG-5135-A, MG-5135-SC and MG-5135-RV	PX-8871	TBA	US\$ 294.00	KS 498 *	US\$ 412
Mechanical trolling valve for electric selector valve					
- for MG-5135-A, MG-5135-SC and MG-5135-RV	PX-8871-E	TBA	US\$ 294.00	KS 331 *	US\$ 431
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used					
- for MG-5135-A, MG-5135-SC and MG-5135-RV	1020230A	2.4 (5)	US\$ 644.00	KS 593 *	US\$ 644
is the close, the close of an income of the close the	102020071	2 (0)	000	110 000	000
Oil Filter		1	1		
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements	PM-11652	2.8 (6)	Included		
(PM11652 filter)		` '			
Companion Flange (all Models)	•		•		
Companion Flange including bolts and nuts					
- for MG-5135 A and MG-5135 RV	PX-11471	19.5 (43)	US\$ 440.00		
- for MG-5135 SC	PX-11654	19.5 (43)	US\$ 390.00		
		(10)	1		
Monitoring (all Models)	1		II.		
Pressure gauge (loose)	B-1703-D	0.5 (1)	US\$ 64.00		
Temperature gauge and switch (loose)	B-3424	0.5 (1)	US\$ 119.00		
· · · · · · · · · · · · · · · · · · ·	1	(.,	1		ĺ
Kit to be used with heat exchanger PM-11261:					
- Pressure switch on the unit and Pressure and temperature sensors on the heat exchanger PM11261	TBA		TBA	TBA	TBA
Heat Exchanger (all Models)		l.			
Heat exchanger with thermostatic bypass valve					
- loose supply, no hoses, fittings nor mounting bracket	PM-11261A	TBA	US\$ 851.00		
- mounted on unit, hoses, fittings and mounting bracket included	PM-11261A	TBA	US\$ 1,150.00		
- mounted on unit, hoses, fittings and mounting bracket included (for MG5145RV only)	PM-11261A	TBA	US\$ 1,150.00		
22			1,100.00		1
Mounting Brackets	1	1	1		
- Steel fabricated for MG-5135 A	TBA	26.0 (57)	TBA	TBA	TBA
- Steel fabricated for MG-5135 A	TBA	30.0 (66)	TBA	TBA	TBA
- Aluminum Casted for MG-5135 RV	TBA	(0)	Included	TBA	TBA
- Aluminum Casted for MG-5135-A/SC (MTU)	TBA		TBA	IDA	154
- Aluminum Casted for MG-5135-A/SC (MTO) - Aluminum Casted for MG-5135-A/SC (MAN)	P-11788/-A	ĺ	US\$ 558.00		ĺ
- Authinian Casted for Michael (Michael)	F-11/00/-A	ĺ	υσφ 556.00		ĺ
		ĺ			ĺ
Sanciae Manuela	1	1			<b></b>
Service Manuals	TD 4	1	Luce occ		<del>                                     </del>
- for MG-5135 A	TBA		US\$ 60.00		ĺ
- for MG-5135 SC	TBA		US\$ 60.00		ĺ
- for MG-5135 RV	TBA		TBA		I
	1	1	I		1

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.



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## **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MGX-5135 Series MARINE TRANSMISSIONS									
MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WEIGHT		LIST	PRICE		
	NUMBER		HSG	kg	(Lbs)				
MGX-5135 A									
10° Down Angle, Aluminum Housing, with Following Standard Equipment:									
- SAE J617 Housing No. 1 OR SAE No. 0									
<ul> <li>Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460):</li> </ul>		1.25:1	SAE 1	280	(617)	US\$	16,315		
<ul> <li>Silicon Vulkardan E-4911 S <u>OR</u> Centaflex CF-R-268</li> </ul>	PX-11740	1.53:1							
- GP-Valve (New <u>G</u> eneral <u>P</u> urpose Electric Control <u>Valve</u> )		1.79:1	SAE 0	280	(617)	US\$	16,315		
- Manual override for GP-Valve - for emergency operation		2.00:1							
- Quickshift <sup>™</sup> Clutch Technology		2.52:1							
- Oil Strainer and Oil Filter Mounted									
MGX-5135 RV									
Remote V-Drive, 10° Down Angle, Aluminum Housing with Following Standard Equipment:									
- Input Flange Size GWB 587.50 (225 mm)	PX-11880	1.25:1	None	258	(568)	US\$	16,830		
- GP-Valve (New <u>G</u> eneral <u>P</u> urpose Electric Control <u>Valve</u> )		1.53:1							
- Manual override for GP-Valve - for emergency operation		1.79:1							
- Quickshift <sup>™</sup> Clutch Technology		2.00:1							
- Oil Strainer and Oil Filter Mounted		2.52:1							
- Aluminum Cast Mounting Brackets with Fasteners									

Important Notes:
MGX-5135 Series marine transmissions can only be used on engines with right-hand rotation.



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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MGX-5135 Series ACCESSO	RIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIEL	D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (all Models)					
Silicon Vulkardan E-4911 S for 14" Flywheel (SAE J620 size 355)	1016217		included		
Silicon Vulkardan E-4911 S for 18" Flywheel (SAE J620 size 460)	1016215		included		
Centaflex CF-R-268 for 14" Flywheel (SAE J620 size 355)					
- for MGX-5135 SC	DV 44704		included		
- for MGX-5135 A	PX-11704		included		
Centaflex CF-R-268 for 18" Flywheel (SAE J620 size 460)					
- for MGX-5135 SC	DV 44705		included		
- for MGX-5135 A	PX-11705		included		
P.T.O. Live pump mount PTO - SAE-J-744 size 127-4, 32-4 (ex. SAE C, 4-bolt), max. 593 Nm	1	ı	1		
- for MGX-5135 SC	PX-11824	11.4 (25)	US\$ 659.00	TBA	
- for MGX-5135 A	PX-11824	11.4 (25)	US\$ 659.00	KS 757 *	US\$ 659
- for MGX-5135 A		11.4 (25)	US\$ 659.00	TBA	05\$ 659
- 101 MGA-0130 KV		11.4 (25)	US\$ 659.00	IBA	
PTO Adapter from SAE-J-744 size 127-4, 32-4 (ex. SAE C, 4-bolt) to size 101-4, 22-4 (ex. SAE B, 4-bolt)	XB-2403	2.3 (5)	US\$ 227.00	TBA	
Control Valve					
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation	1				<u> </u>
- for MGX-5135 SC, MGX-5135 A & MGX-5135 RV	standard		included		
Trolling	l	I	I		
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted					
- for MGX-5135 SC, MGX-5135 A & MGX-5135 RV	TBA		US\$ 460.00	TBA	TBA
Oil Filter		I			
Unit mounted oil filter	PM-11652		included		
Companion Flange (all Models)					
Companion Flange including bolts and nuts					
- for MGX-5135 A & MGX-5135 RV	PX-11471	19.5 (43)	US\$ 440.00		
- for MGX-5135 SC	PX-11654	19.5 (43)	US\$ 390.00		
Monitoring	1				
Monitoring kit for remote indication to be used with heat exchanger PM-11261 (incl. fittings) consisting of:					
- Pressure switch on unit / pressure and temperature sensors on heat exchanger PM-11261	various	TBA	TBA	TBA	TBA
Heat Exchanger					
Heat exchanger with thermostatic bypass valve					
- loose supply, no hoses, fittings nor mounting bracket	PM-11261	TBA	US\$ 851.00		
- mounted on unit, hoses, fittings and mounting bracket included	PM-11261	TBA	US\$ 1,150.00		
Mounting Brackets					
- for MGX-5135 SC (steel fabricated mounting brackets)	TBA	TBA	TBA		
- for MGX-5135 A (steel fabricated mounting brackets)	TBA	TBA	TBA		
- for MGX-5135 RV (aluminum casted mounting brackets)	TBA	TBA	included		
- Aluminum Casted for MG-5135-A/SC (MTU)	TBA		TBA		
- Aluminum Casted for MG-5135-A/SC (MAN)	P-11788/-A		US\$ 558.00		
1			1		I
Please contact Twin Disc for OEM specific aluminum casted mounting brackets					
Service Manuals					
Service Manuals - for MGX-5135 A	ТВА		TBA		
Service Manuals	TBA TBA TBA		TBA TBA TBA		

### Important Notes:

Field installation kit numbers are shown for reference only. Shown prices are list price adders for factory installation of respective accessory. Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field

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## **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MG-514C Series MARINE TRANSMISSIONS								
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIST	PRICE	
MG-514C SC  Vertical Offset Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 0 <u>OR</u> No. 1  - Rubber Block Drive for 14 <sup>th</sup> Flywheel (SAE J620 size 355):  - Mechanical Control Valve	X-9784-C	1.51:1 2.00:1 2.50:1 3.00:1 3.50:1	SAE 0 SAE 1	490 490	(1,079) (1,079)	US\$ US\$	17,408 17,312	
MG-514C DC  Vertical Offset Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 0 <u>OR</u> No. 1  - Rubber Block Drive for 14" Flywheel (SAE J620 size 355):  - Mechanical Control Valve  - Companion Flange 1)	X-9786-C	4.13:1 4.50:1 5.16:1 6.00:1	SAE 0 SAE 1	640 640	(1,410) (1,410)	US\$	18,721 18,630	

Important Notes:
Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required.

<sup>1)</sup> Companion flange is supplied as standard and is included in the price for MG-514C DC. High torque rating at output shaft requires a special output flange/ companion flange assembly.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-514C Series ACCESSO	RIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIELD	
Tanakara LO anakara (ali Madala)	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (all Models) Non-Silicon Vulkardan E-4010 Series for 14" Flywheel (SAE J620 size 355) 1)	P-9476		No Extra		
Silicon Vulkardan E-4011 S for 14" Flywheel (SAE J620 size 355)	P-10532		US\$ 190.00		
Centa CF-R-268 for 14" Flywheel (SAE J620 size 355)	PX-11783		US\$ 184.00		
Contact of the 200 for 14 high most (once 0020 dies 000)	1 % 11700		το τ.οο		
P.T.O.	•	l			
Mechanical clutchable PTO					
- for MG-514C SC and MG-514C DC (BOM 36559)	XA-7297-C	42.7 (94)	US\$ 5,420.00	TBA	TBA
No live PTO available					
Control Valve					
Mechanical control valve					
- for MG-514C SC and MG-514C DC (15.9 bar/230 p.s.i.)	XA-7371-B		Standard	KS 522 *	US\$ 536.00
Electric control valve (24 VDC)					
- for MG-514C SC and MG-514C DC (15.9 bar/230 p.s.i.)	PX-10285		US\$ 214.00	KS 412 *	US\$ 784.00
Electric control valve (12 VDC)	DV 40005		LIC# 244.00	VC 444 *	LIC# 704.00
- for MG-514C SC and MG-514C DC (15.9 bar/230 p.s.i.)	PX-10285		US\$ 214.00	KS 411 *	US\$ 784.00
<u>Please note:</u> Rate-of-Rise is standard on all available mechanical and electric selector valves					
Trolling					
Mechanical trolling valve for mechanical selector valve (PX-9975 series)					
- for MG-514C SC and MG-514C DC	PX-10790	2.7 (6)	US\$ 301.00	KS-498 *	US\$ 412.00
Mechanical trolling valve for electric selector valve	DV 40505	0 7 (0)		140 007 +	
- for MG-514C SC and MG-514C DC	PX-10505	2.7 (6)	US\$ 301.00	KS 387 *	US\$ 433.00
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used	NI/A		NI/A	NI/A	NI/A
- for MG-514C SC and MG-514C DC	N/A		N/A	N/A	N/A
Oil Filter	l.	I			
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements	N/A		N/A	N/A	N/A
Companion Flange	1				
Companion Flange including bolts and nuts					
- for MG-514C SC (1½" plain bore)	XA-6988-B	34.1 (75)	US\$ 405.00		
- for MG-514C DC	XB-6163-A	( - ,	Standard		
Monitoring (all Models) Pressure gauge (loose)	B-1703-D	0.5 (1)	US\$ 64.00		
Temperature gauge and switch (loose)	B-3424	0.5 (1) 0.5 (1)	US\$ 119.00		
Temperature gauge and switch (10036)	D-3424	0.5 (1)	00\$ 119.00		
Heat Exchanger (all Models)					
Heat Exchanger for fresh water cooling					
- for MG-514C SC and MG-514C DC(loose supply, incl. fittings & hoses, no mounting bracket)	M-1959-H	7.0 (15)	US\$ 842.52	K 93 *	US\$ 842.52
Heat Exchanger for raw water cooling:					
- for MG-514C SC and MG-514C DC(loose supply, incl. fittings & hoses, no mounting bracket)	M-1959-D	6.8 (15)	US\$ 785.40	K 94 *	US\$ 785.40
Heat exchanger with thermostatic bypass valve	PM-10685A	TDA	LICC 504.00	KS 629 *	LICE FC4.00
- loose supply, no hoses, fittings nor mounting bracket	PIVI-1U085A	TBA	US\$ 564.00	NS 629 "	US\$ 564.00
Mounting Brackets					
- for MG-514C SC (steel fabricated mounting brakets)	1016428-S	17.5 (39)	US\$ 585.00		
- for MG-514C DC (steel fabricated mounting brakets)	1016428-A	11.0 (24)	US\$ 605.00		
Service Manuals	1	l			
- for MG-514C SC and MG-514C DC	1015425		US\$ 60.00		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5145 Series MARINE TRANSMISSIONS									
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIST	PRICE		
MG-5145 SC  Vertical Offset, Aluminum Housing, Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> SAE No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460):  • Silicon Vulkardan VKE4911S Series  • Non-Silicon Centaflex CF-R-318 Series  - Mechanical Control Valve	PX-10885	1.03:1 1.20:1 1.48:1 1.75:1 1.96:1 2.50:1	SAE 1 SAE 0	325 328	(716) (722)	US\$ US\$	21,352 21,352		
MG-5145 A  10° Down Angle, Aluminum Housing, Marine Transmission with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> SAE No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460):  • Silicon Vulkardan VKE4911S Series  • Non-Silicon Centaflex CF-R-318 Series  - Mechanical Control Valve	PX-10830	1.26:1 1.48:1 1.75:1 1.96:1 2.50:1	SAE 1 SAE 0	333 336	(733) (740)	US\$ US\$	22,145 22,145		
MG-5145 RV Remote V-Drive, 10° Down Angle, Aluminum Housing, Marine Transmission With the Following Standard Equipment: Input Flange Size GWB 587.50 (225 mm)  Mechanical Control Valve Aluminum Cast Mounting Brackets with Fasteners	PX-10880	1.26:1 1.48:1 1.75:1 1.96:1 2.50:1	None	285	(628)	US\$	22,675		

Important Notes:
Twin Disc MG5145 series marine transmissions CANNOT be used on engines with left-hand rotation.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5145 Series ACCESSO					
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIELI	
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (all Models)		ı			
Silicon Vulkardan VKE4911S Series for 14" Flywheel (SAE J620 size 355)	1016217		included		
Silicon Vulkardan VKE4911S Series for 18" Flywheel (SAE J620 size 460)	1016215		included		
Centaflex CF-R-318 Series for 14" Flywheel (SAE J620 size 355) - for 5145 SC	PX-11521		included		
- for 5145 A	PX-11521 PX-11518		included		
Centaflex CF-R-318 Series for 18" Flywheel (SAE J620 size 460)	FX-11316		ilicidaea		
- for 5145 SC	PX-11537		included		
- for 5145 A	PX-11537		included		
- 101 3 143 A	1 X-11550		iliciadea		
P.T.O.			l .		
Live pump mount PTO - SAE-J-744 size 127-4, 32-4, max. 593 Nm (ex. SAE C, 4-bolt)					
- for MG-5145 A and MG-5145 SC	PX-9768	11.4 (25)	US\$ 659.00	KS-585	US\$ 799.00
- for MG-5145 RV	PX-11485	11.4 (25)	US\$ 659.00	TBA	TBA
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 593 Nm (ex. SAE C, 4-bolt)		( - /			
- for MG-5145 A and MG-5145 SC	PX-11615-A	27.2 (60)	US\$ 2,415.00	KS-635	TBA
- for MG-5145 RV	TBA	27.2 (60)	US\$ 2,415.00	TBA	TBA
Hydraulic Clutchable PTO, Shaft Drive - SAE-J-744 size 127-4, 32-4, max. 593 Nm (ex. SAE C, 4-bolt)		` ′			
- for MG-5145 A and MG-5145 SC	PX-11615	27.2 (60)	US\$ 2,415.00	TBA	TBA
- for MG-5145 RV	TBA	27.2 (60)	US\$ 2,415.00	TBA	TBA
	1	. ,			
Electric control valve for clutchable PTO (pump drive and shaft drive)	PX-10508	TBA	US\$ 35.00	TBA	TBA
PTO adapter SAE "C" to SAE "B"	XB2403	2.3 (5)	US\$ 227.00	TBA	TBA
Control Valve					
Mechanical control valve (17.24 bar/250 p.s.i.)					
- for MG-5145-A, MG-5145-SC and MG-5145-RV	PX-9975-E		Included	KS-640	US\$ 434.00
Electric control valve (17.24 bar/250 p.s.i 12/24 VDC)					
- for MG-5145-A, MG-5145-SC and MG-5145-RV	PX-10225-C		US\$ 231.00	TBA	TBA
Electric control valve (17.24 bar/250 p.s.i 12/24 VDC)					
- for MG-5145-A, MG-5145-SC and MG-5145-RV	PX-10225-C		US\$ 231.00	KS-612	US\$ 686.00
<u>Please note:</u> Rate-of-Rise is standard on all available mechanical and electric selector valves					
Trolling Valve					
Mechanical trolling valve for mechanical selector valve					
- for MG-5145-A, MG-5145-SC and MG-5145-RV	PX-8871	TBA	US\$ 294.00	KS 498 *	US\$ 412.00
Mechanical trolling valve for electric selector valve					
- for MG-5145-A, MG-5145-SC and MG-5145-RV	PX-8871-E	TBA	US\$ 294.00	KS 331 *	US\$ 431.00
Electric trolling valve for electric selector valve (24 VDC) - oil filter MUST be used					
- for MG-5145-A, MG-5145-SC and MG-5145-RV	1020230A	2.4 (5)	US\$ 644.00	KS 593 *	US\$ 644.00
Oil Filter	I D14 44050	(0)			
Unit mounted oil filter to be used with electric trolling or with high oil filtration requirements	PM-11652	2.8 (6)	Included		
(PM11652 filter)					
Companies Flores (all Madele)					
Companion Flange (all Models)	1	I	I		
Companion Flange including bolts and nuts	4040070	40.5 (42)	LIC# 500.00		
- for MG-5145 A and MG-5145 RV - for MG-5145 SC	1018272 PX-11256	19.5 (43) 19.5 (43)	US\$ 500.00 US\$ 390.00		
- 101 Mig-3143 SC	FA-11256	19.5 (43)	03\$ 390.00		
Monitoring (all Models)	1		l.		
Pressure gauge (loose)	B-1703-D	0.5 (1)	US\$ 64.00		
Temperature gauge and switch (loose)	B-3424	0.5 (1)	US\$ 119.00		
Tomporature gauge and switch (1888)	D 0424	0.0 (1)	00φ 110.00		
Kit to be used with heat exchanger PM-11261:					
Pressure switch on the unit and Pressure and temperature sensors on the heat exchanger PM11261	TBA		TBA	TBA	TBA
Heat Exchanger (all Models)	1	I	I		
Heat exchanger with thermostatic bypass valve					
- loose supply, no hoses, fittings nor mounting bracket	PM-11261A	TBA	US\$ 851.00		
- mounted on unit, hoses, fittings and mounting bracket included	PM-11261A	TBA	US\$ 1,150.00		
- mounted on unit, hoses, fittings and mounting bracket included (for MG5145RV only)	PM-11261A	TBA	US\$ 1,150.00		
			, , , , , , , , , , , , , , , , , , , ,		
Mounting Brackets	•	•			
- Steel fabricated for MG-5145 A	1016428-AS	26.0 (57)	US\$ 710	TBA	TBA
- Steel fabricated for MG-5145 SC	1016428-AS		US\$ 710	TBA	TBA
- Aluminum Casted for MG-5145 RV	TBA	(0)	Included	TBA	TBA
- Aluminum Casted for MG-5145-A/SC (MTU)	P-11710/-A	(-/	US\$ 985.00		
- Aluminum Casted for MG-5145-A/SC (MAN)	P-11789/-A		US\$ 558.00		
	1				
	1				
Service Manuals					
- for MG-5145 A	1019901		US\$ 60.00		
- for MG-5145 SC	1020223		US\$ 60.00		
- for MG-5145 RV	TBA		TBA		

### Important Notes:

<sup>\*</sup> Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.



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## **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MGX-5145 Series MARINE TRA							
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEI kg	GHT (Lbs)	LIST	PRICE
MGX-5145 SC  Vertical Offset, Aluminum Housing, with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> SAE No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460):  • Silicon Vulkardan E-4911 S <u>OR</u> Centaflex CF-R-318  - GP-Valve (New <u>General Purpose Electric Control Valve</u> )  - Manual override for GP-Valve - for emergency operation  - Quickshift <sup>IM</sup> Clutch Technology  - Oil Strainer and Oil Filter Mounted	PX-11830	1.03:1 1.20:1 1.33:1 1.48:1 1.75:1 1.96:1 2.50:1	SAE 1 SAE 0	325 328	(716) (722)	US\$ US\$	22,588 22,588
MGX-5145 A  10° Down Angle, Aluminum Housing, with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> SAE No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460):  • Silicon Vulkardan E-4911 S <u>OR</u> Centaflex CF-R-318  - GP-Valve (New <u>G</u> eneral <u>P</u> urpose Electric Control <u>Valve</u> )  - Manual override for GP-Valve - for emergency operation  - Quickshift <sup>IM</sup> Clutch Technology  - Oil Strainer and Oil Filter Mounted	PX-11755	1.26:1 1.48:1 1.75:1 1.96:1 2.50:1	SAE 1 SAE 0	333 336	(733) (740)	US\$ US\$	23,38 <sup>-</sup>
MGX-5145 RV  Remote V-Drive, 10° Down Angle, Aluminum Housing with Following Standard Equipment:  - Input Flange Size GWB 587.50 (225 mm)  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift M Clutch Technology  - Oil Strainer and Oil Filter Mounted  - Aluminum Cast Mounting Brackets with Fasteners	PX-11860	1.26:1 1.48:1 1.75:1 1.96:1 2.50:1	None	285	(628)	US\$	23,91

Important Notes: MGX-5145 Series marine transmissions can only be used on engines with right-hand rotation.



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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MGX-5145 Series ACCESSO	RIES																					
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIEL	.D KIT																	
	NUMBER	kg (Lbs	) ADDER	NUMBER	LIST PRICE																	
Torsional Couplings (all Models)		ı																				
Silicon Vulkardan E-4911 S for 14" Flywheel (SAE J620 size 355)	1016217		included																			
Silicon Vulkardan E-4911 S for 18" Flywheel (SAE J620 size 460)	1016215		included																			
Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 355)																						
- for MGX-5145 SC	PX-11521		included																			
- for MGX-5145 A	PX-11518		included																			
Centaflex CF-R-318 for 18" Flywheel (SAE J620 size 460)																						
- for MGX-5145 SC	PX-11537		included																			
- for MGX-5145 A	PX-11536		included																			
P.T.O.	1	Т																				
Live pump mount PTO - SAE-J-744 size 127-4, 32-4 (ex. SAE C, 4-bolt), max. 593 Nm	577 44664	(05)		=== ±																		
- for MGX-5145 SC	PX-11824	11.4 (25)		KS 757 *	US\$ 659.00																	
- for MGX-5145 A	PX-11824	11.4 (25)		KS 757 *	US\$ 659.00																	
- for MGX-5145 RV	PX-11485	11.4 (25)	US\$ 659.00	TBA																		
PTO Adapter from SAE-J-744 size 127-4, 32-4 (ex. SAE C, 4-bolt) to size 101-4, 22-4 (ex. SAE B, 4-bolt)	XB-2403	2.3 (5)	US\$ 227.00	TBA																		
Control Valve																						
GP-Valve ( <u>G</u> eneral <u>P</u> urpose electric control <u>Valve</u> ) with manual override for emergency operation - for MGX-5145 SC, MGX-5145 A & MGX-5145 RV	standard		included	ТВА	ТВА																	
Trolling	1	l .																				
Electric trolling - E-Troll controller for electric GP-Valve, includes input & output speed pickups mounted																						
- for MGX-5145 SC, MGX-5145 A & MGX-5145 RV	TBA		US\$ 460.00	TBA	TBA																	
Oil Filter	1	I																				
Unit mounted oil filter	PM-11652		included	TBA	TBA																	
Companion Flange (all Models)	1																					
Companion Flange including bolts and nuts	40400=0	40.5 (40)		<b>TD.</b>																		
- for MGX-5145 A & MGX-5145 RV	1018272	19.5 (43)		TBA	TBA																	
- for MGX-5145 SC	PX-11256	19.5 (43)	US\$ 390.00	TBA	TBA																	
Monitoring	1																					
Monitoring kit for remote indication to be used with heat exchanger PM-11261 (incl. fittings) consisting of:																						
- Pressure switch on unit / pressure and temperature sensors on heat exchanger PM-11261	various	TBA	TBA	TBA	TBA																	
Heat Exchanger	1	1																				
Heat exchanger with thermostatic bypass valve	D14 44004																					
<ul> <li>loose supply, no hoses, fittings nor mounting bracket</li> <li>mounted on unit, hoses, fittings and mounting bracket included</li> </ul>	PM-11261 PM-11261	TBA TBA	US\$ 851.00 US\$ 1,150.00																			
Mounting Brackets	1																					
- for MGX-5145 SC (steel fabricated mounting brackets)	TBA	TBA	TBA	TBA	TBA																	
- for MGX-5145 A (steel fabricated mounting brackets)	TBA	TBA	TBA	TBA	TBA																	
		TBA	included	TBA	TBA																	
						TBA														US\$ 985.00		1
- for MGX-5145 RV (aluminum casted mounting brackets)																						
	P-11710/-A P-11789/-A		US\$ 860.00																			
- for MGX-5145 RV (aluminum casted mounting brackets) - Aluminum Casted for MG-5145-A/SC (MTU) - Aluminum Casted for MG-5145-A/SC (MAN)  Please contact Twin Disc for OEM specific aluminum casted mounting brackets	P-11710/-A																					
- for MGX-5145 RV (aluminum casted mounting brackets) - Aluminum Casted for MG-5145-A/SC (MTU) - Aluminum Casted for MG-5145-A/SC (MAN)  Please contact Twin Disc for OEM specific aluminum casted mounting brackets  Service Manuals	P-11710/-A P-11789/-A		US\$ 860.00																			
- for MGX-5145 RV (aluminum casted mounting brackets) - Aluminum Casted for MG-5145-A/SC (MTU)	P-11710/-A																					
- for MGX-5145 RV (aluminum casted mounting brackets) - Aluminum Casted for MG-5145-A/SC (MTU) - Aluminum Casted for MG-5145-A/SC (MAN)  Please contact Twin Disc for OEM specific aluminum casted mounting brackets  Service Manuals	P-11710/-A P-11789/-A		US\$ 860.00																			

### Important Notes:

Field installation kit numbers are shown for reference only. Shown prices are list price adders for factory installation of respective accessory. Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field



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## **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MGX-5147 Series MARINE TRA							
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEI kg	GHT (Lbs)	LIST	PRICE
MGX-5147 SC  Vertical Offset, Aluminum Housing, with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> SAE No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460):  • Silicon Vulkardan E-4911 S <u>OR</u> Centaflex CF-R-318  - GP-Valve (New <u>G</u> eneral <u>P</u> urpose Electric Control <u>Valve</u> )  - Manual override for GP-Valve - for emergency operation  - Quickshift¹ <sup>M</sup> Clutch Technology  - Oil Strainer and Oil Filter Mounted	PX-12010	1.20:1 1.33:1 1.48:1 1.75:1 1.96:1	SAE 1 SAE 0	325 328	(716) (722)	US\$ US\$	24,130 24,130
MGX-5147 A  10° Down Angle, Aluminum Housing, with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> SAE No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460):  • Silicon Vulkardan E-4911 S <u>OR</u> Centaflex CF-R-318  - GP-Valve (New <u>G</u> eneral <u>P</u> urpose Electric Control <u>Valve</u> )  - Manual override for GP-Valve - for emergency operation  - Quickshift <sup>IM</sup> Clutch Technology  - Oil Strainer and Oil Filter Mounted	PX-11925	1.26:1 1.48:1 1.75:1 1.96:1	SAE 1 SAE 0	333 336	(733) (740)	US\$ US\$	24,900 24,900
MGX-5147 RV  Remote V-Drive, 10° Down Angle, Aluminum Housing with Following Standard Equipment:  - Input Flange Size GWB 587.50 (225 mm)  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift ™ Clutch Technology  - Oil Strainer and Oil Filter Mounted  - Aluminum Cast Mounting Brackets with Fasteners	PX-11930	1.26:1 1.48:1 1.75:1 1.96:1	None	285	(628)	US\$	25,450

Important Notes: MGX-5145 Series marine transmissions can only be used on engines with right-hand rotation.



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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MGX-5147 Series ACCESSO	RIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIEL	D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings (all Models)					
Silicon Vulkardan E-4911 S for 14" Flywheel (SAE J620 size 355)	1016217		included		
Silicon Vulkardan E-4911 S for 18" Flywheel (SAE J620 size 460)	1016215		included		
Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 355)					
- for MGX-5147 SC	PX-11521		included		
- for MGX-5147 A	PX-11518		included		
Centaflex CF-R-318 for 18" Flywheel (SAE J620 size 460)					
- for MGX-5147 SC	PX-11537		included		
- for MGX-5147 A	PX-11536		included		
P.T.O.	1	1	1		
Live pump mount PTO - SAE-J-744 size 127-4, 32-4 (ex. SAE C, 4-bolt), max. 593 Nm	DV 44004	(05)		140 757 4	
- for MGX-5147 SC	PX-11824	11.4 (25)	US\$ 659.00	KS 757 *	US\$ 659.00
- for MGX-5147 A	PX-11824	11.4 (25)	US\$ 659.00	KS 757 *	US\$ 659.00
- for MGX-5147 RV	PX-11485	11.4 (25)	US\$ 659.00	TBA	
PTO Adapter from SAE-J-744 size 127-4, 32-4 (ex. SAE C, 4-bolt) to size 101-4, 22-4 (ex. SAE B, 4-bolt)	XB-2403	2.3 (5)	US\$ 227.00	ТВА	
Control Value					
Control Valve	ı	I	1		
GP-Valve ( <u>G</u> eneral <u>P</u> urpose electric control <u>Valve</u> ) with manual override for emergency operation - for MGX-5147 SC, MGX-5147 A & MGX-5147 RV	standard		included	TBA	TBA
Trolling	I				
Electric trolling - E-Troll controller for electric GP-Valve, includes input & output speed pickups mounted					
- for MGX-5147 SC, MGX-5147 A & MGX-5147 RV	TBA		US\$ 460.00	TBA	TBA
Oil Filter	1				
Unit mounted oil filter	PM-11652		included	TBA	TBA
Companion Flange (all Models)					
Companion Flange including bolts and nuts					
- for MGX-5147 A & MGX-5147 RV	1018272	19.5 (43)	US\$ 500.00	TBA	TBA
- for MGX-5147 SC	PX-11256	19.5 (43)	US\$ 390.00	TBA	TBA
Monitoring	I.	I.	ı		
Monitoring kit for remote indication to be used with heat exchanger PM-11261 (incl. fittings) consisting of:					
- Pressure switch on unit / pressure and temperature sensors on heat exchanger PM-11261	various	TBA	TBA	TBA	TBA
Heat Exchanger	I.	l	l		
Heat exchanger with thermostatic bypass valve					
- loose supply, no hoses, fittings nor mounting bracket	PM-11261	TBA	US\$ 851.00		
- mounted on unit, hoses, fittings and mounting bracket included	PM-11261	TBA	US\$ 1,150.00		
Mounting Brackets	1	1	'		
- for MGX-5147 SC (steel fabricated mounting brackets)	TBA	TBA	TBA	TBA	TBA
- for MGX-5147 A (steel fabricated mounting brackets)	TBA	TBA	TBA	TBA	TBA
- for MGX-5147 RV (aluminum casted mounting brackets)	TBA	TBA	included	TBA	TBA
- Aluminum Casted for MG-5147-A/SC (MTU)	P-11710/-A		US\$ 985.00		
- Aluminum Casted for MG-5147-A/SC (MAN)	P-11789/-A		US\$ 860.00		
Please contact Twin Disc for OEM specific aluminum casted mounting brackets					
Service Manuals	1	ı			
- for MGX-5147 A	TBA		TBA		
- for MGX-5147 A	TBA		TBA		
- for MGX-5147 RV	TBA		TBA		
	L				

### Important Notes:

Field installation kit numbers are shown for reference only. Shown prices are list price adders for factory installation of respective accessory. Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field

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## **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WEIGHT		LIST PRICE
	NUMBER		HSG	kg	(Lbs)	
WG-516 Vertical Offset, C.I. Housing with Following Standard Equipment: - SAE J617 Housing No. 1 - Flexible Coupling for 14" Flywheel (SAE J620 size 355) • Non-Silicon Vulkan VKE4010 Series (With Emergency Come Home Device) • Non-Silicon Centaflex CF-R-268 (Emergency Come Home Device Standard) - Mechanical Control Valve - Mounted Filter - Pressure Gauge, Temperature Gauge and Switch	XA7470H	3.06:1 3.50:1 4.04:1 4.52:1 5.05:1 6.00:1	SAE 1 *	720	(1,586)	US\$ 20,735.17
MG-516 Vertical Offset, C.I. Housing, Freestanding with Following Standard Equipment: - Input Flange - Without Flexible Coupling or Housing - Mechanical Control Valve - Mounted Filter - Pressure Gauge, Temperature Gauge and Switch	XA7470H	3.06:1 3.50:1 4.04:1 4.52:1 5.05:1 6.00:1	None	700	(1,542)	US\$ 19,986.0

Important Notes:
Please contact Twin Disc when marine transmission is used on engines with left-hand rotation. A different oil pump installation will be required.
\*- See note on accessories page

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-516 Series ACCESSO						
DESCRIPTION	DRAWING	WEI	GHT	LIST PRICE	FIEL	D KIT
	NUMBER	kg	(Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings						
Centaflex CF-R-268 for 14" Flywheel (SAE J620 size 355)	1019694	23.0	(51)	Included	K1377	US\$1,453.50
Vulkan VKE4011S for 14" Flywheel (SAE J620 size 355) with Emergency Come Home Device	P10532	21.0	(46)	US\$ 322.52	K1373	
Vulkan VKE4011S for 14" Flywheel (SAE J620 size 355) with heavy duty Emergency Come Home Device	P10569	28.0	(62)	US\$ 697.07	K1376	
Vulkan VKE4014 for 14" Flywheel (SAE J620 size 355) with Emergency Come Home Device	P9478	21.0	(46)	Included	K1374	
Vulkan VKE4015 for 14" Flywheel (SAE J620 size 355) with Emergency Come Home Device	P9477	21.0	(46)	Included	K1375	
Vulkan VKE4011S for 14" for 14" Flywheel (SAE J620 size 355) Freestanding (Hub 1019115)	1019116	42.0	(93)	US\$ 8,156.74	K1378	
D.T.O.						
PTO	4047477	44.0	(24)	LICE 4 700 40	40000	LIC04 700 FO
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)	1017177	11.0	(24)	US\$ 1,789.49	40898	US\$1,789.59
Live Pump Mount PTO - SAE-J-744 size 127-4, 38-4, max. 1187 Nm (SAE "C-C" 4 bolt)	1017177	12.0	(26)	US\$ 1,966.41	41030	US\$1,966.41
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)						
- With Mechanical Control Valve (XA7540B)	1017820	57.0	(126)	US\$ 5,287.50	41031	US\$5,287.50
- With Mechanical Control Valve (1017172F)	1017820B	57.0	(126)	US\$ 5,664.69	41062	US\$5,664.69
- With Electric Control Valve (P10508J)	1017820D	57.0	(126)	US\$ 5,518.80	41698	US\$5,518.80
- With Electric Control Valve (1020729)	1017820G	57.0	(126)		42526	
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 38-4, max. 1187 Nm (SAE "C-C" 4 bolt)	10170200	01.0	(120)		42020	
	4047000	F7.0	(400)	LIC# 5 007 50	40005	11005 207 50
- With Mechanical Control Valve (XA7540B)	1017820	57.0	(126)	US\$ 5,287.50	40625	US\$5,287.50
- With Mechanical Control Valve (1017172F)	1017820B	57.0	(126)	US\$ 5,718.06	41061	US\$5,718.06
- With Electric Control Valve (P10508J)	1017820D	57.0	(126)		TBA	
- With Electric Control Valve (1020729)	1017820G	57.0	(126)		42528	
Hydraulic Clutchable Shaft Drive PTO - Not Available	NA NA		. ==/	NA		
Tryadano sidonado ondir bino Fro Frontinando						
Control Valve						
Mechanical Control Valve (17.3 bar / 250 p.s.i.)	1020412			Standard	41966	US\$1,071.61
Electric Control Valve (17.3 bar / 250 p.s.i 24V)	1018084-AH			US\$ 645.05	41171	US\$1,500.26
Electric Control Valve (17.3 bar / 250 p.s.i 12V)	1018084-AJ			US\$ 645.05	41172	US\$1,500.26
						03\$1,300.20
GP Control Valve with Profile Module	1020729			US\$ 645.05	42522	
Please note: Rate of Rise is standard on all available mechanical and electrical control valves						
Trolling	I.			l		
Mechanical trolling valve for mechanical selector valve (XA7371 series)	1020413	2.8	(6)	US\$ 369.27	K1331 **	US\$ 369.27
, ,						
Mechanical trolling valve for electric selector valve (1018084 series)	1017555	2.7	(6)	US\$ 707.47	40588	US\$ 749.70
Electric trolling valve for electric selector valve (1018084 series)	1018883	2.7	(6)	US\$ 707.47	41063	US\$ 786.02
Etroll Module (required use of 1020729 control valve and speed sensors (42524))	1020583				41995	US\$ 515.68
Oil Filter / Oil Strainer	l					
Oil Filter / Oil Strainer Unit mounted filter	B3614A			Included		
				Included		
Unit mounted filter required with 1020729 GP Valve	B3614D	-	-			
Remote Mounted Filter Kit	1019824			US\$ 603.43	K1296 **	US\$ 603.43
Alternate Output Flange						
MG516 may be supplied with XA4411C, Alternate Output Flange, giving the MG516	XA7470G	8.6	(19)	US\$ 343.33		
flange-to-flange length the same as that for the X9786C MG514C (DC)						
Companion Flange						
Companion Flange including bolts and nuts (Factory Installed)	1017494	54.0	(119)	US\$ 1,009.19		
			()	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Monitoring	1 -					
Pressure gauge (loose)	B-1703-D			Included		
Temperature gauge and switch (loose)	B-3424A	0.5	(1)	Included		
Speed Sensor Group (use with Etroll/EC300)					42524	US\$ 217.77
Heat Freshanses				l .		
Heat Exchanger	MACCOD	14.0	(24)	1100 004 40		
- For Raw Water; Water Flow Rate: 30 to 60 gpm, 85° F Max. water temperature	M1959D	14.0	(31)	US\$ 681.46		
- For Fresh Water; Water Flow Rate: 50 to 100 gpm, 165° F Max. water temperature	M1959G	19.0	(42)	US\$ 1,035.20		
- Mounted M1959D Raw Water Heat Exchanger	1019774			US\$ 1,468.49	40530	US\$1,468.49
Occasili Taile Disa (se Mates Terrescations Francisco (1979 F						
Consult Twin Disc for Water Temperatures Exceeding 165° F	1			I .		
Trailing Pump - Electric Trailing Pump - Remote Mounted	1016473	28.0	(62)	US\$ 624.24		
	.5.5475	_0.0	(32)	024.24		
Mounting Brackets						
- Steel fabricated mounting brackets for rigid mounting	1016428-B	28.0	(62)	US\$ 615.00		
Adapter Vit				l		
Adapter Kit Metric to NPTF Adapter Kit - (Not Available)	NA			I		
Service Manual						
- for MG-516	1015426	-		US\$ 60.00		
					1	1

<sup>\*</sup>Note: SAE#1 to SAE#0 adaptor is available, P/N 8407 or 8407B, depending on flywheel configuration. 8407 adaptor is not compatible with Caterpillar combination 14"/18" flywheel or any 18" flywheel. 8407B is modified to clear flywheel but jumper or 6 point mounting is required.

Important Notes:

\*\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WE	IGHT	LIST PRICE
	NUMBER		HSG	kg	(Lbs)	
MG-5170 DC  Vertical Offset, C.I. Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  • Non-Silicon Centaflex CF-R-318 (Emergency Come Home Device Standard)  - Mechanical Control Valve  - Mounted Filter  - Pressure Gauge	1017463A	4.06:1 4.50:1 5.03:1 5.95:1 6.53:1 6.95:1	SAE 1	850 880	(1,872) (1,938)	
MG-5170 DC  Vertical Offset, C.I. Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - Mechanical Control Valve  - Mounted Filter  - Pressure Gauge	1017463A	4.06:1 4.50:1 5.03:1 5.95:1 6.53:1 6.95:1		770	(1,696)	US\$ 21,432.24

### **Important Notes:**

Twin Disc MG5170 series marine transmissions **CANNOT** be used on engines with left-hand rotation.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5170 Series ACCESSO						
DESCRIPTION	DRAWING	WE	IGHT	LIST PRICE	FIEL	D KIT
	NUMBER	kg	(Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings						
Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 355)	1019698	25.0	(55)	Included		
Centaflex CF-R-318 for 18" Flywheel (SAE J620 size 460)	1019699	27.0	(59)	Included		
Vulkan Silicone VKE4911S for 14" Flywheel (SAE J620 size 355)	1016217	37.0	(81)	US\$ 754.29	K1380	US\$2,920.00
Vulkan VKE4911S for 18" Flywheel (SAE J620 size 460)	1016215	41.0	(90)	US\$ 754.29	K1379	US\$2,920.00
Input Flange ( Freestanding Hub )	1019735	TBA	TBA	Included	K1381	US\$ 955.00
РТО		l				
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)	1017177	11.0	(24)	US\$ 1,789.59	40898	US\$1,789.59
Live Pump Mount PTO - SAE-J-744 size 127-4, 38-4, max. 1187 Nm (SAE "C-C" 4 bolt)	1017177	12.0	(26)	US\$ 1,966.41	41030	US\$1,966.41
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)						
- With Mechanical Control Valve (XA7540B)	1017820	57.0	(126)	US\$ 5,287.50	41031	US\$5,287.50
- With Mechanical Control Valve (1017172F)	1017820B	57.0	(126)	US\$ 5,664.69	41062	US\$5,664.69
- With Electric Control Valve (P10508J)	1017820D	57.0	(126)	US\$ 5,518.80	41698	US\$5,518.80
- With Electric Control Valve (1020729)	1017820G	57.0	(126)		42526	
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 38-4, max. 1187 Nm (SAE "C-C" 4 bolt)	10110200	00	(.20)		.2020	
- With Mechanical Control Valve (XA7540B)	1017820	57.0	(126)	US\$ 5,287.50	40625	US\$5,287.50
- With Mechanical Control Valve (AA73405)	1017820B	57.0	(126)	US\$ 5,718.06		US\$5,718.06
				03\$ 3,710.00		03\$3,710.00
- With Electric Control Valve (P10508J)	1017820D	57.0	(126)		TBA	
- With Electric Control Valve (1020729)	1017820G	57.0	(126)		42528	
Hydraulic Clutchable Shaft Drive PTO - Not Available	NA			NA		
Control Valve						
Mechanical Control Valve (17.3 bar / 250 p.s.i.)	1020412			Standard	41966	US\$1,071.61
Electric Control Valve (17.3 bar / 250 p.s.i 24V)	1018084-AH			US\$ 645.05	41171	US\$1,500.26
Electric Control Valve (17.3 bar / 250 p.s.i 12V)	1018084-AJ			US\$ 645.05	41172	US\$1,500.26
GP Control Valve with Profile Module	1020729			US\$ 645.05	42522	
Please note: Rate of Rise is standard on all available mechanical and electrical control valves						
Trolling	•	I		1		
Mechanical trolling valve for mechanical selector valve (XA7371 series)	1020413	2.8	(6)	US\$ 369.27	K1331	US\$ 369.27
Mechanical trolling valve for electric selector valve (1018084 series)	1017555	2.7	(6)	US\$ 707.47		US\$ 749.70
Electric trolling valve for electric selector valve (1018084 series)	1018883	2.7	(6)	US\$ 707.47		US\$ 786.02
Etroll Module (required use of 1020729 control valve and speed sensors (42524))	1020583		(0)	707.47	41995	US\$ 515.68
Oil Filter / Oil Strainer						
Unit mounted filter	B3614A	1		Included		US\$ 67.39
Remote Mounted Filter Kit	1019824			US\$ 603.43	K1296 *	US\$ 603.43
Companion Flange Companion Flange including bolts and nuts (Factory Installed)	1017494	54.0	(119)	US\$ 1,009.19		
	1017-10-1	04.0	(110)	Τ,000.10		
Monitoring Pressure gauge (loose)	B-1703-D			Included		
Temperature gauge and switch (loose)	B-3424A	0.5	(1)	US\$ 115.45		
Speed Sensor Group (use with Etroll/EC300)	D-3424A	0.5	(1)	035 115.45	42524	US\$ 217.77
Hart Factor and						
Heat Exchanger - For Raw or Fresh Water; Water Flow Rate: 30 to 60 gpm, 130° F Max. water temperature	M1959AQ	19.0	(42)	US\$ 899.95		
Çi v		10.0	(/	000.00		
Consult Twin Disc for Water Temperatures Exceeding 130° F						
Trailing Pump						
Electric Trailing Pump - Remote Mounted	1016473	27.0	(59)	US\$ 3,054.09		
Mounting Brackets	1	<u> </u>		<u> </u>		-
- Steel fabricated mounting brackets for rigid mounting	1016428-AD	62.0	(137)	US\$ 635.00	İ	
· · · · · · · · · · · · · · · · · · ·				<u> </u>	ļ	
Adapter Kit Metric to NPTF Adapter Kit - (Not Available)	NA				1	+
	1471					
Service Manual - for MG-5170DC	1020667	1		US\$ 60		
- 101 MG-3170DC	1020007			US\$ 60		

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-518-1 Series MARINE TRANSMISSIONS										
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIST PRICE				
MG-518-1 SC Vertical Offset, Cast Iron Housing with Following Standard Equipment: - SAE J617 Housing No. 1 <u>OR</u> No. 0 - Rubber Block Drive for 14" Flywheel (SAE J620 size 355) - Mechanical Control Valve - Mounted Filter - Companion Flange - Pressure Gauge	XA7343A	1.48:1 2.00:1 2.47:1 2.94:1	SAE 1	965 976	(2,126)	, ,				
MG-518-1 DC Vertical Offset, Cast Iron Housing with Following Standard Equipment: - SAE J617 Housing No. 1 <u>OR</u> No. 0 - Rubber Block Drive for 14" Flywheel (SAE J620 size 355) - Mechanical Control Valve - Mounted Filter - Companion Flange - Pressure Gauge - Pressure Gauge	XA7292A	4.06:1 4.48:1 5.07:1 5.92:1 6.48:1	SAE 1	1,121	(2,469)					

### **Important Notes:**

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

National Couplings	MG-518-1 Series ACCESS	SORIES					
Torsional Couplings   Rubber Block Drive of 14" Flywheel (SAE J620 size 355) wi(28) B3073C   XA7306	DESCRIPTION	DRAWING	WE	IGHT	LIST PRICE	FIEL	.D KIT
Rubber Block Drive for 14" Flywheel (SAE 2802 size 365) w/(26) B30732C Michael Block Drive for 18" Flywheel (SAE 2802 size 480) w/(26) B30732C w/(26) w/(26) B30732C w/(26) w/(26) B30732C w/(26) w/(26) B30732C w/(26) w/(		NUMBER	kg	(Lbs)	ADDER	NUMBER	LIST PRICE
Rubber Blook Drive for 18 Flywheel (SAE Jö20 size 460) w/(32) BB073A   XA7242B		V47000					
Vulkan Vulsatik VL30115 for 14"   Flywheel (SAE & S26 see 355) w/Emergency Come Home Device   1015478							
Vulkan Vulsatik VL3011S for 14" Flywhoel (SAE Js20 size 355) wio Emergency Come Home Device Vulkan Vulsatik VL3011S for 18" Flywhoel (SAE Js20 size 466) wire memo Device Vulkan Vulsatik VL3011S for 18" Flywhoel (SAE Js20 size 466) wire memo Device 1015470							
Vulkan Vulsatik VL3.0115 for 18" Flywheel (SAE J820 size 460) wi© Emergency Come Home Device   1015470							
Vulkan Vulsatk VL3011S for 18" Flywheel (SAE J820 size 460) w/o Emergency Come Home Device   1015471							
PTO							
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 belt)   NA	Vulkan Vulastik VL3011S for 18" Flywheel (SAE J620 size 460) w/o Emergency Come Home Device	1015471			US\$ 1,097.62		
Hydraulic Clutchable Pump Mount PTO - Not Available	PTO		l				
NA		XA7377A	8.0	(18)	US\$ 1,179.81		
Control Valve		NA					
Mechanical Control Valve (11 bar / 160 p.s.i.)   Electric Control Valve (13 bar / 160 p.s.i.)   PX10285-L US\$ 624.24 KS 573 * US\$1,646.7	Hydraulic Clutchable Shaft Drive PTO - Not Available	NA					
Px10285-L			<u> </u>		1		
Px10285-L	Mechanical Control Valve (11 bar / 160 p.s.i.)	XA7371E			Standard	TBA	TBA
Please note: Rate of Rise is standard on all available mechanical and electrical control valves   Trolling		PX10285-L			US\$ 624.24	KS 573 *	US\$1,646.73
Trolling Mechanical trolling valve for mechanical selector valve Mechanical trolling valve for electric selector valve Mechanical trolling valve for electric selector valve    NA	Electric Control Valve (13.8 bar / 200 p.s.i 12V)	PX10285-L			US\$ 624.24	KS 572 *	US\$1,646.73
Mechanical trolling valve for mechanical selector valve   NA   NA   NA   NA   NA   NA   NA   N	Please note: Rate of Rise is standard on all available mechanical and electrical control valves						
Mechanical trolling valve for electric selector valve    NA	Trolling	•					
NA	Mechanical trolling valve for mechanical selector valve	XA7373E	2.8	(6)	US\$ 888.44	K649 *	US\$ 888.44
NA	Mechanical trolling valve for electric selector valve	NA		` '	·		
Mounted filter kit   B3614							
Mounted filter kit   B3614	Oil Filter / Oil Strainer				1		
Monitoring   Pressure gauge (loose)   B-1703-D   B-3424   0.5   (1)   US\$ 119.00	Mounted filter kit	B3614			Included		
Monitoring	Companion Flange		l .		1		
B-1703-D   B-3424   0.5   (1)   US\$   119.00	Companion Flange including bolts and nuts (Factory Installed)	XB6173	90.0	(198)	Included		
B-3424   0.5   (1)   US\$   119.00	Monitoring		l		1		
Heat Exchanger	Pressure gauge (loose)	B-1703-D			Included		
- Raw Water; Water Flow Rate: 30 to 60 gpm, 85° F Max. water temperature - Raw Water; with Thermostatic Oil By-Pass Valve - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 15° F Max. water temperature - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 15° F Max. water temperature - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 15° F Max. water temperature - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 15° F Max. water temperature - For Fresh Water Flow Rate: 100 to 175 gpm, 15° F Max. water temperature - For Fresh Water Flow Rate: 100 to 175 gpm, 15° F Max. water temperature - For Fresh Water Flow Rate: 100 to 175 gpm, 15° F Max. water tempera	Temperature gauge and switch (loose)	B-3424	0.5	(1)	US\$ 119.00		
- Raw Water; with Thermostatic Oil By-Pass Valve - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature  Trailing Pump  Electric Trailing Pump - Remote Mounted (Trailing Pumps not Available)  NA  Mounting Brackets - Steel fabricated mounting brackets for rigid mounting  Adapter Kit  Metric to NPTF Adapter Kit (Not Available)  NA  Service Manual	Heat Exchanger		Į				
- For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature  - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature  - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature  - For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature  - For Fresh Water, Water Flow Rate: 100 to 10			13.0	(29)			TBA
- For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature  M1959AC  58.0 (128) US\$ 1,609.50 TBA  TBA  TRA  TRA  TRA  TRA  TRA  TRA	- Raw Water; with Thermostatic Oil By-Pass Valve	XB2330B	17.0	(37)	US\$ 1,560.60	K487 *	US\$1,560.60
Trailing Pump  Electric Trailing Pump - Remote Mounted (Trailing Pumps not Available)  NA  Mounting Brackets  - Steel fabricated mounting brackets for rigid mounting  1016428-AE 59.0 (130) US\$ 675.00  Adapter Kit  Metric to NPTF Adapter Kit (Not Available)  NA  Service Manual	- For Fresh Water; Water Flow Rate: 100 to 175 gpm, 115° F Max. water temperature	M1959U	20.0	(44)	US\$ 1,758.28	TBA	TBA
Electric Trailing Pump - Remote Mounted (Trailing Pumps not Available)  Mounting Brackets - Steel fabricated mounting brackets for rigid mounting  1016428-AE 59.0 (130) US\$ 675.00  Adapter Kit Metric to NPTF Adapter Kit (Not Available)  NA  Service Manual	- For Fresh Water; Water Flow Rate: 50 to 200 gpm, 165° F Max. water temperature	M1959AC	58.0	(128)	US\$ 1,609.50	TBA	TBA
Mounting Brackets - Steel fabricated mounting brackets for rigid mounting    1016428-AE   59.0 (130) US\$ 675.00					1		
- Steel fabricated mounting brackets for rigid mounting 1016428-AE 59.0 (130) US\$ 675.00  Adapter Kit Metric to NPTF Adapter Kit (Not Available) NA  Service Manual	Electric Trailing Pump - Remote Mounted (Trailing Pumps not Available)	NA					
Adapter Kit           Metric to NPTF Adapter Kit (Not Available)         NA             Service Manual </td <td>Mounting Brackets</td> <td></td> <td>l</td> <td></td> <td></td> <td></td> <td></td>	Mounting Brackets		l				
Metric to NPTF Adapter Kit (Not Available)  NA  Service Manual	- Steel fabricated mounting brackets for rigid mounting	1016428-AE	59.0	(130)	US\$ 675.00		
Service Manual	Adapter Kit				1		
	Metric to NPTF Adapter Kit (Not Available)	NA					
- for MG-518-1 US\$ 60.00					1		
	- for MG-518-1	1015590			US\$ 60.00		

Important Notes:

\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-520-1 HP Series MARINE TRANSMISSIONS										
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEIGHT kg (Lbs)		LIST PRIC				
MG-520-1 HP  Vertical Offset, C.I. Housing with Following Standard Equipment:  - SAE J617 Housing No. 0  - Flexible Coupling for 18" Flywheel (SAE J620 size 460)  • Non-Silicon Centaflex CF-R-420 (Emergency Come Home Device Standard)  - Mechanical Control Valve  - Unit Mounted Oil Filter / Oil Strainer  - Pressure Guage	XA7255B	4.49:1 5.00:1 6.11:1 7.00:1 7.42:1	SAE 0	1,562	(3,441)	US\$	41,616			

### **Important Notes:**

Twin Disc MG520-1 HP series transmission **CANNOT** be used on engines with left-hand rotation.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-520-1 HP Series ACCESS	ORIES					
DESCRIPTION	DRAWING	W	EIGHT	LIST PRICE	FIELI	D KIT
	NUMBER	kg	(Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings						
Centaflex CF-R-420 for 18" Flywheel (SAE J620 size 460)	1019855	33.0	(73)	Included		
Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 355)	1020318	TBA	TBA	Included		
РТО		<u> </u>				
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)	XA7377A	8.0	(18)	US\$ 1,179.81		
Control Valve						
Mechanical Control Valve (10.3 bar / 250 p.s.i.)	1017172-M			Standard	TBA	TBA
Electric Control Valve (17.3 bar / 250 p.s.i 24V)	1018084-AH			US\$ 624.24	41171	US\$1,500.26
Electric Control Valve (17.3 bar / 250 p.s.i 12V)	1018084-AJ			US\$ 624.24	41172	US\$1,500.26
Please note: Rate of Rise is standard on all available mechanical and electrical control valves						
Trolling						
Mechanical trolling valve for mechanical selector valve (1017172 series)	1017546-G	TBA	TBA	US\$ 686.66		
Mechanical trolling valve for electric selector valve (1018084 series)	1017555	TBA	TBA	US\$ 686.66		
Electric trolling valve for electric selector valve (1018084 series)	1017554	TBA	TBA	US\$ 686.66		
Oil Filter / Oil Strainer		<u> </u>				
Unit mounted oil filter				Included		
Companion Flange	.1			ı		
Companion Flange including bolts and nuts	1019857	90.0	(198)	US\$ 1,122.59		
Monitoring	.1					
Pressure gauge (loose)	B-1703-D			Included		
Temperature gauge and switch (loose)	B-3424	0.5	(1)	US\$ 119.00		
Heat Exchanger						
- Raw Water; Water Flow Rate: 40 to 60 gpm, 85° F Max. water temperature (Remote Mounted)	M1959R	13.0	(29)	US\$ 1,681.29		
- Fresh Water; Water Flow Rate: 50 to 175 gpm, 165° F Max. water temperature (Remote Mounted)	M1959AC	52.0	(115)	US\$ 1,609.50		
Trailing Pump		<u> </u>				
Electric Trailing Pump - Remote Mounted	1016473	27.0	(59)	US\$ 3,054.09		
Mounting Brackets						
- Steel fabricated mounting brackets for rigid mounting	NA					
Adapter Kit						
Metric to NPTF Adapter Kit -		_				
Service Manual						
- for MG-520-1 HP	TBA			TBA		

Important Notes:
Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5200 Series MARINE TR	ANSMISSIC	ONS				
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIST PRICE
MG-5202 SC  Vertical Offset, C.I. Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  • Non-Silicon Centaflex CF-R-318 (Emergency Come Home Device Standard)  • Silicon Vulkardan VKE4911S (Emergency Come Home Device Standard)  - Mechanical Control Valve  - Pressure Gauge	1016103C 1016103D/E	1.17:1 1.33:1 1.53:1 1.76:1 2.03:1 2.48:1 2.92:1 3.48:1	SAE 1	586 594	(1,291)	,
MG-5203 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  • Non-Silicon Centaflex CF-R-318 (Emergency Come Home Device Standard)  • Silicon Vulkardan VKE4911S (Emergency Come Home Device Standard)  - Mechanical Control Valve  - Pressure Gauge	1016249A 1016249B	1.17:1 1.33:1 1.53:1 1.76:1 2.03:1 2.48:1 2.92:1 3.48:1	SAE 1	410	(903)	US\$ 28,709.84 US\$ 27,689.84
MG-5204 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  • Non-Silicon Centaflex CF-R-318 (Emergency Come Home Device Standard)  • Silicon Vulkardan VKE4911S (Emergency Come Home Device Standard)  - Electric Control Valve  - Pressure Gauge	1016250B 1016250C	1.17:1 1.33:1 1.53:1 1.76:1 2.03:1 2.48:1 2.92:1 3.48:1	SAE 1	410 422	(903) (930)	US\$ 32,850.13

### **Important Notes:**

Twin Disc MG5200 series marine transmissions **CANNOT** be used on engines with left-hand rotation.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5200 Series ACCESSOR						
DESCRIPTION	DRAWING	WEI	GHT	LIST PRICE	FIELI	) KIT
	NUMBER	kg	(Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings						
Centaflex CF-R-318-HR for 14" Flywheel (SAE J620 size 355)	1019695	25.0	(55)	Included	42404	US\$1,665.67
Centaflex CF-R-318-HR for 18" Flywheel (SAE J620 size 460)	1019696	27.0	(59)	Included	42434	US\$1,682.54
Centaflex CF-R-420-HR for 18" Flywheel (SAE J620 size 460) FOR MG5204SC ONLY	1019719	44.0	(97)	Included	41789	US\$2,519.73
Centaflex CF-R-420-HD for 18" Flywheel (SAE J620 size 460)	1020687 1016217	44.0 37.0	(97) (81)	US\$ 800.00 Included	42107 41784	US\$3,336.38 US\$3,129.67
Vulkan VKE4911S for 14" Flywheel (SAE J620 size 355) (Optional inertia ring available upon request) Vulkan VKE4911S for 18" Flywheel (SAE J620 size 460) (Optional inertia ring available upon request)	1016217	41.0	(90)	Included	K1325 *	US\$3,129.67 US\$3,118.40
Input Flange ( Freestanding Hub )	1016215 1019735A	TBA	TBA	Included	42508	US\$1,636.33
imput riange ( ricestanding ridb )	1019733A	IDA	IDA	Included	42300	03\$1,030.33
PTO				1		
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)	XB6243A	11.0	(24)	US\$ 1,611.19	K1133 *	US\$1,611.19
Hydraulic Clutchable Shaft Drive PTO - SAE-J-744 size 127-4, 32-4, max. 415 Nm (SAE "C" 4 bolt)	XA7554	27.0	(59)	TBA	42436	
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 415 Nm (SAE "C" 4 bolt)	XA7554A	27.0	(59)	US\$ 5,211.38	42438	US\$5,211.38
1) Hydraulic Clutchable Shaft Drive PTO - SAE-J-744 size 127-4, 32-4, max. 415 Nm (SAE "C" 4 bolt) (MG5	XA7554D	27.0	(59)		42597	
1) Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 415 Nm (SAE "C" 4 bolt) (MG5204)	XA7554E	27.0	(59)		42596	
Control Valve	1020412			Standard	42490	US\$1,068.89
Mechanical Control Valve (17.3 bar / 250 p.s.i.) Electric Control Valve (17.3 bar / 250 p.s.i 24V)	1020412 1018084-Q			US\$ 645.05	42490 TBA	US\$1,068.89 TBA
Electric Control Valve (17.3 bar / 250 p.s.i 24V) Electric Control Valve (17.3 bar / 250 p.s.i 12V)	1018084-Q 1018084-AF			US\$ 645.05 US\$ 645.05	TBA	TBA
Electric Control Valve (17.3 bar / 230 p.s.i 12V) Electric Control Valve (20 bar / 290 p.s.i 24V) FOR MG5204SC ONLY (see note 2)	1018084-AF			Standard	41045	TBA
Electric Control Valve (20 bar / 290 p.s.i 24V) FOR MG5204SC ONLY (see note 2)	1018084-AG			Standard	41163	TBA
GP Control Valve with Profile Module	1020729			US\$ 645.05	42532	IDA
Of Control valve with Frome Module	1020723			υσφ υτσ.υσ	42332	
Please note: Rate of Rise is standard on all available mechanical and electrical control valves						
Trolling						
Mechanical trolling valve for mechanical selector valve	1020413	2.7	(6)	US\$ 369.27	K1331	US\$ 369.27
Mechanical trolling valve for electric selector valve (1018084 series)	1017555	2.7	(6)	US\$ 749.70	40588	US\$ 749.70
Electric trolling valve for electric selector valve (1018084 series)	1017554	2.7	(6)	US\$ 749.70	40537	US\$ 749.70
Etroll Module (required use of 1020729 control valve and speed sensors (42534))	1020583				41995	US\$ 515.68
Oil Filter / Oil Strainer				l		
Oil Filter	PM11652					US\$ 105.70
Remote mounted filter kit (For MG5202SC, MG5203SC and MG5204SC)	1019831	-		US\$ 654.70	K1300 *	US\$ 654.70
Companion Flange	4045070	00.0	(4.50)	1100 1 000 01	40.400	11004 000 04
Companion Flange including bolts and nuts (Supplied loose)	1015378	68.0	(150)	US\$ 1,033.04	42420	US\$1,033.04
Monitoring				l		
Pressure gauge (loose)	B-1703-D	-		Included		
Temperature gauge and switch (loose)	B-3424	0.5	(1)	US\$ 119.00		
Speed Sensor Group (use with Etroll/EC300)					42534	US\$ 217.77
Heat Evelones				l		
Heat Exchanger - For Raw Water; Water Flow Rate: 30 to 55 gpm, 85° F Max. water temperature	M1959AL	14.0	(31)	US\$ 847.93		
- For Fresh Water; Water Flow Rate: 50 to 35 gpm, 165° F Max. water temperature	M1959AL	29.0	(64)	US\$ 1,014.39		
-Mounted M1959AL Raw Water Heat Exchanger (See note 3)	1018542	20.0	(0.)	US\$ 1,754.36	40904	US\$1,754.36
				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		,
Consult Twin Disc for Water Temperatures Exceeding 130° F						
Trailing Pump						
Electric Trailing Pump - Remote Mounted	1016473	27.0	(59)	US\$ 3,054.09		
Mounting Brackets  Stock followed mounting brackets for rigid mounting	1016428-Z	78.0	(172)	US\$ 830.00		
- Steel fabricated mounting brackets for rigid mounting	1016428-2	78.0	(172)	US\$ 83U.00		
Adapter Kit		1		ı		
Metric to NPTF Adapter Kit - K1096	1015386	0.5	(1)	US\$ 176.87	K1096	US\$ 176.87
·						
Service Manual				-		
- for MG-5202SC, MG5203SC and MG5204SC	1017462	-		US\$ 60.00		

### Important Notes:

 <sup>1) -</sup> Requires the use of 1020729 control valve
 2) - Ditch plate group 42045 may be required if retrofitting a 1018084 series control valve in place of a different valve assembly.
 3) - For MG5204SC transmission per assembly 1016250C.

<sup>\*</sup> Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIST PRICE
MG-5222 DC  Vertical Offset, Nodular Iron Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  • Non-Silicon Centaflex CF-R-318 (Emergency Come Home Device Standard)  • Silicon Vulkardan VKE4911S (Emergency Come Home Device Standard)  - Mechanical Control Valve  - Pressure Gauge	1020391	4.03:1 4.59:1 5.04:1 6.10:1 6.55:1 6.96:1	SAE 1	1,032	(2,273)	
MG-5222 DC Vertical Offset, Nodular Iron Housing, Freestanding with Following Standard Equipment: - Input Flange - Without Flexible Coupling or Housing - Mechanical Control Valve - Pressure Gauge	1020391	4.03:1 4.59:1 5.04:1 6.10:1 6.55:1 6.96:1	None	945	(2,081)	US\$ 25,879.95
MG-5225 DC  Vertical Offset, Nodular Iron Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  • Non-Silicon Centaflex CF-R-318 (Emergency Come Home Device Standard)  • Silicon Vulkardan VKE4911S (Emergency Come Home Device Standard)  - Electric Control Valve  - Pressure Gauge	1020390	4.03:1 4.59:1 5.04:1 6.10:1	SAE 1	1,032	(2,273)	

### **Important Notes:**

Twin Disc MG5200DC series marine transmissions **CANNOT** be used on engines with left-hand rotation.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

DESCRIPTION  Torsional Couplings Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 355) For MG5222DC Centaflex CF-R-318 for 18" Flywheel (SAE J620 size 460) For MG5222DC Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 460) For MG5222DC Centaflex CF-R-420 for 18" Flywheel (SAE J620 size 355) For MG5225DC Centaflex CF-R-420 for 18" Flywheel (SAE J620 size 355) 1) Vulkan VKE4911S for 14" Flywheel (SAE J620 size 355) 1) Vulkan VKE4911S for 18" Flywheel (SAE J620 size 460) Input Flange for MG5222DC (Freestanding Hub)  PTO Live Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C-" 2/4 bolt) Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt) Clutchable Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt)	DRAWING NUMBER 1019698 1019699 1020370 1019719 1016217 1016215 1019735	25.0 27.0 TBA TBA 37.0 41.0 TBA	(55) (59) TBA TBA (81) (90)	LIST PRICE ADDER  Included Included Included Included Included	FIEL NUMBER	D KIT LIST PRICE
Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 355) For MG5222DC Centaflex CF-R-318 for 18" Flywheel (SAE J620 size 460) For MG5222DC Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 460) For MG5222DC Centaflex CF-R-420 for 18" Flywheel (SAE J620 size 460) For MG5225DC  1) Vulkan VKE4911S for 14" Flywheel (SAE J620 size 460) For MG5225DC  1) Vulkan VKE4911S for 18" Flywheel (SAE J620 size 460) Input Flange for MG5222DC (Freestanding Hub)  PTO Live Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt) Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)	1019698 1019699 1020370 1019719 1016217 1016215	25.0 27.0 TBA TBA 37.0 41.0	(55) (59) TBA TBA (81)	Included Included Included	NUMBER	LIST PRICE
Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 355) For MG5222DC Centaflex CF-R-318 for 18" Flywheel (SAE J620 size 460) For MG5222DC Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 365) For MG5222DC Centaflex CF-R-420 for 18" Flywheel (SAE J620 size 460) For MG5225DC  1) Vulkan VKE4911S for 14" Flywheel (SAE J620 size 460) For MG5225DC 1) Vulkan VKE4911S for 18" Flywheel (SAE J620 size 355) 1) Vulkan VKE4911S for 18" Flywheel (SAE J620 size 460) Input Flange for MG5222DC (Freestanding Hub)  PTO  Live Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt) Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)	1019699 1020370 1019719 1016217 1016215	27.0 TBA TBA 37.0 41.0	(59) TBA TBA (81)	Included Included		
Centaflex CF-R-318 for 18" Flywheel (SAE J620 size 460) For MG5222DC Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 355) For MG5225DC Centaflex CF-R-420 for 18" Flywheel (SAE J620 size 355) For MG5225DC  1) Vulkan VKE4911S for 14" Flywheel (SAE J620 size 355) 1) Vulkan VKE4911S for 18" Flywheel (SAE J620 size 360) Input Flange for MG5222DC (Freestanding Hub)  PTO Live Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt) Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)	1019699 1020370 1019719 1016217 1016215	27.0 TBA TBA 37.0 41.0	(59) TBA TBA (81)	Included Included		
Centaflex CF-R-318 for 14" Flywheel (SAE J620 size 355) For MG5225DC Centaflex CF-R-420 for 18" Flywheel (SAE J620 size 460) For MG5225DC 1) Vulkan VKE4911S for 14" Flywheel (SAE J620 size 355) 1) Vulkan VKE4911S for 18" Flywheel (SAE J620 size 460) Input Flange for MG5222DC (Freestanding Hub)  PTO Live Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt) Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)	1020370 1019719 1016217 1016215	TBA TBA 37.0 41.0	TBA TBA (81)	Included		
Centaflex CF-R-420 for 18" Flywheel (SAE J620 size 460) For MG5225DC 1) Vulkan VKE4911S for 14" Flywheel (SAE J620 size 355) 1) Vulkan VKE4911S for 18" Flywheel (SAE J620 size 460) Input Flange for MG5222DC (Freestanding Hub)  PTO Live Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt) Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)	1019719 1016217 1016215	TBA 37.0 41.0	TBA (81)		44700	
1) Vulkan VKE4911S for 14" Flywheel (SAE J620 size 355) 1) Vulkan VKE4911S for 18" Flywheel (SAE J620 size 460) Input Flange for MG5222DC (Freestanding Hub)  PTO Live Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt) Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)	1016217 1016215	37.0 41.0	(81)	included	41788	
1) Vulkan VKE4911S for 18" Flywheel (SAE J620 size 460) Input Flange for MG5222DC (Freestanding Hub)  PTO Live Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt) Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)	1016215	41.0		Included	41789 K1380 *	
Input Flange for MG5222DC (Freestanding Hub)  PTO Live Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt) Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)				Included	K1380 *	
PTO Live Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt) Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)	1019733	IDA	TBA	Included	K1390	
Live Pump Mount PTO - SAE-J-744 size 127-2/4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt) Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)			10/1	moidaca		
Live Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)						
	1017177	11.0	(24)	US\$ 1,789.59	40898	US\$1,789.59
Clutchable Pump Mount PTO - SAE-J-744 size 127-2/4 32-4 max 592 Nm (SAF "C" 2/4 holt)	1017177	12.0	(26)	US\$ 1,966.41	41030	US\$1,966.41
- with mechanical control valve (XA7540B)	1017820	57.0	(126)	US\$ 5,287.50	41031	US\$5,287.50
- with mechanical control valve (1017172F)	1017820 B	57.0	(126)	US\$ 5,664.69	41062	US\$5,664.69
- with electric control valve (PX10508J)	1017820 D	57.0	(126)	US\$ 5,518.80	41698	US\$5,518.80
Clutchable Pump Mount PTO - SAE-J-744 size 127-2/4, 38-4, max. 1187 Nm (SAE "C-C" 2/4 bolt)	4047000	F7.0	(400)	LICE 5 207 50	40005	LICEE 207 FO
- with mechanical control valve (XA7540B)	1017820 1017820 B	57.0 57.0	(126)	US\$ 5,287.50 US\$ 5,718.09	40625 41061	US\$5,287.50 US\$5,718.09
- with mechanical control valve (1017172F)  - with electric control valve (PX10508J)	1017820 B	57.0 57.0	(126) (126)	US\$ 5,716.09	42360	US\$5,7 18.08
- with Glocale Collinol valve (FA100000)	1017620 D	37.0	(120)		42300	
Control Valve	1	1				
Mechanical Control Valve (17.3 bar / 250 p.s.i.) For MG5222DC	1020412			Standard	41796	US\$1,285.93
Electric Control Valve (17.3 bar / 250 p.s.i 24V) For MG5222DC	1018084-W			US\$ 645.05	40958	US\$1,887.11
Electric Control Valve (17.3 bar / 250 p.s.i 12V) For MG5222DC	1018084-AB			US\$ 645.05	41093	US\$1,500.26
Electric Control Valve (20 bar / 290 p.s.i 24V) FOR MG5225DC	1018084-Z			Standard	41045	US\$1,716.66
Electric Control Valve (20 bar / 290 p.s.i 12V) FOR MG5225DC	1018084-AG			Standard	41163	US\$1,699.47
Please note: Rate of Rise is standard on all available mechanical and electrical control valves						
Please note: Rate of Rise is standard on all available mechanical and electrical control valves  Trolling						
Mechanical trolling valve for mechanical selector valve (1020412) For MG5222DC	*1020413	TBA	TBA	US\$ 369.27	K1331 *	US\$ 369.27
Mechanical trolling valve for international selector valve (1020412) For integration in Mechanical trolling valve for electric selector valve (1018084 series)	1017555	2.7	(6)	US\$ 749.70	40588	US\$ 749.70
Electric trolling valve for electric selector valve (1018084 series) For MG5222DC	1017554	2.7	(6)	US\$ 749.70	40537	US\$ 749.70
Electric trolling valve for electric selector valve (1018084 series) For MG5225DC	1018883	2.7	(6)	US\$ 749.70	41063	US\$ 786.02
,			. ,			
* 1020413 is a drawing of control valve and trolling valve assembled						
Oil Filter / Oil Strainer				1		
Remote mounted filter kit (For MG5222DC and MG5225DC)	1020598	-		US\$ 603.43	K1337 *	US\$ 603.43
Companion Flange				l		
Companion Flange including bolts and nuts (Factory Installed)	1002312	90.0	(198)	US\$ 1,201.08		
			( /	, , , , , ,		
Monitoring						
Pressure gauge (loose)	B-1703-D			Included		
Temperature gauge and switch (loose)	B-3424	0.5	(1)	US\$ 119.00		
Heat Exchanger				1		
- Raw Water; Water Flow Rate: 30 to 55 gpm, 85° F Max. water temperature (MG5222DC)	M1959AL	14.0	(31)	US\$ 847.93		
- Raw Water; Water Flow Rate: 30 to 55 gpm, 85° F Max. water temperature (MG5225DC)	M1959AN	16.0	(35)	US\$ 2,039.18		
- For Fresh Water; Water Flow Rate: 50 to 125 gpm, 165° F Max. water temperature (MG5222DC)	M1959AK	29.0	(64)	US\$ 1,014.90		
- For Fresh Water; Water Flow Rate: 50 to 125 gpm, 165° F Max. water temperature (MG5225DC)	M1959AM	32.0	(70)	US\$ 2,149.71		
Consult Twin Disc for Water Temperatures Exceeding 130° F						
Trajling Dumn						
Trailing Pump  Electric Trailing Pump - Remote Mounted	1016473	27.0	(59)	US\$ 3,054.09		
Electric Hamily Camp Translation Mountain	1010473	21.0	(33)	304 0,004.09		
Mounting Brackets				•		
- Steel fabricated mounting brackets for rigid mounting	1016428-Y	63.0	(139)	US\$ 815.00		
A dender Mile						
Adapter Kit Metric to NPTF Adapter Kit - K1090	1	0.5	/4\	US\$ 182.07	K1090 *	US\$ 182
INVELLIC TO INF LE ACIAPLEI KIL - K 1090		0.5	(1)	US\$ 182.07	K 1090 "	US\$ 182
Service Manual	1			1		
- for MG-5222DC	1020538			US\$ 60.00		İ
- for MG-5225DC	1020539	-		US\$ 60.00		
	1					

<sup>1) -</sup> Optional Inertia Ring is available upon request.

K1310 - Soft shift kit

Important Notes:
\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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Supersedes: M-1N 7-01-03 Product Group K PRO-PAS L Page 65 of 100

# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WE	IGHT	LIST PRICE
	NUMBER		HSG	kg	(Lbs)	
MG-5301 DC  Vertical Offset, C.I. Housing with Following Standard Equipment:  - SAE J617 Housing No. 0 <u>OR</u> No. 00  - Flexible Coupling for 18" <u>OR</u> 21" Flywheel (SAE J620 size 460 <u>OR</u> 530)  • Non-Silicon Centaflex CF-R-520 (Emergency Come Home Device Standard)  - Electric Control Valve  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer  - Pressure Gauge	1017020B	3.35:1 4.06:1 4.42:1 4.96:1 5.96:1 6.39:1	SAE 00	1,570 1,620	(3,458)	
MG-5301 DC Vertical Offset, C.I. Housing, Freestanding with Following Standard Equipment: Input Flange Without Flexible Coupling or Housing Electric Control Valve Mounted Raw Water Heat Exchanger Unit Mounted Oil Filter / Oil Strainer Pressure Gauge	1017020B	3.35:1 4.06:1 4.42:1 4.96:1 5.96:1 6.39:1	None	ТВА		US\$ 43,072.56

## Important Notes:

Twin Disc MG5301DC marine transmission **CANNOT** be used on engine with left-hand rotation.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5301 Series ACCESSOI	RIES						
DESCRIPTION	DRAWING	WEIG		LIST F		FIELD	
	NUMBER	kg	(Lbs)	ADE	DER	NUMBER	LIST PRICE
Torsional Couplings							
Centaflex CF-R-520 for 18" Flywheel (SAE J620 size 460)	1019717		(0)		ıded		
Centaflex CF-R-520 for 21" Flywheel (SAE J620 size 530)	1019718		(0)	Inclu			
Silicon Vulastik VL3411S Series for 18" Flywheel (SAE J620 size 460) w/o Emergency Come Home Device	1017123		(0)	No ext			
Silicon Vulastik VL3411S Series for 18" Flywheel (SAE J620 size 460) w/ Emergency Come Home Device	1017865		(0)	US\$			
Silicon Vulastik VL3411S Series for 21" Flywheel (SAE J620 size 530) w/ Emergency Come Home Device	1015475		(0)	US\$ 1			
Hub for use with Centa Link (Free Standing Unit)	1017769		(0)	Inclu	ıded		
РТО				1			
Live Pump Mount PTO - SAE-J-744 size 127-2/-4, 38-4, max. 1,187 Nm (SAE "C-C" 2/4 bolt)	1017177A	12.0	(26)	US\$ 1	,966.36	41822	US\$1,966.36
Live Pump Mount PTO - SAE-J-744 size 127-2/-4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt)	1017177A	11.0	(24)	US\$ 1	,966.36	41821	US\$1,966.36
Clutchable Pump Mount PTO - SAE-J-744 size 127-2/-4, 38-4, max. 1,186 Nm (SAE "C-C" 2/4 bolt)	1017820C	57.0	(126)	US\$ 5	,718.06	41167	US\$5,718.06
Clutchable Pump Mount PTO - SAE-J-744 size 127-2/-4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt)	1017820C	57.0	(126)	US\$ 5	,664.69	41168	US\$5,664.69
Clutchable Shaft Drive PTO - Not Available	NA						
Control Valve							
Electric Control Valve (24V)	1018084-P			Inclu	ıded	40817	US\$1,560.60
Electric Control Valve (12V)	1018084-Y			Inclu	ıded	41028	US\$1,560.60
Trolling							
Mechanical trolling valve for mechanical selector valve (1017172 series)	1017546-F	2.0	(4)			TBA	TBA
Mechanical trolling valve for electric selector valve (12V) or (24V)	1017555	2.0	(4)	US\$	749.70	40588	US\$ 749.70
Electric trolling valve for electric selector valve (12V) or (24V)	1017554	2.0	(4)		749.70	40537	US\$ 749.70
Oil Filter / Oil Strainer							
Unit mounted oil filter				Inclu	ıded		
Companion Flange				l			
Companion Flange including bolts and nuts (Factory Installed)							
- For non-propeller shaft brake applications	1017084	153.0	(337)	US\$ 2	,468.20		
- For disc type propeller shaft brake applications	1019642	175.0	(385)	US\$ 3	,292.34		
Monitoring							
Pressure gauge (loose)	B-1703-D			Inclu	uded		
Temperature gauge and switch (loose)	B-3424			US\$	119.00		
Heat Exchanger (1)							
<ul> <li>For Raw Water; Water Flow Rate: 35 to 45 gpm, 85° F max. water temperature</li> </ul>				Inclu	uded	TBA	TBA
- For Fresh Water; Water Flow Rate: 35 to 45 gpm, 140° F max. water temperature				US\$	832.32	TBA	TBA
Consult Twin Disc for Water Temperatures Exceeding 140° F							
Trailing Pump	I						
Electric Trailing Pump - Remote Mounted	1016473	27.0	(59)	US\$ 3	,054.09		
Mounting Brackets	Į.						
- Steel fabricated mounting brackets for rigid mounting	1016428-AC	71.0	(156)	US\$ 1	,375.00		
Adapter Kit							
Metric to NPTF Adapter Kit - K1195 (w / H.E. mounted on unit)		2.0	(4)		240.30	K1195 *	US\$ 240.30
Metric to NPTF Adapter Kit - K1254 (w / Remote H.E.)		2.0	(4)	US\$	240.30	K1254 *	US\$ 240.30
Service Manual	I			L			
- for MG-5301	1020304			US\$	60.00		

Note: 1) List Deduct for standard equipped heat exchanger is \$ 900.00 list. Soft shift kit K1357

### Important Notes:

Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WE	IGHT	LIST PRICE
	NUMBER		HSG	kg	(Lbs)	
Wertical Offset, C.I. Housing with Following Standard Equipment:  - SAE J617 Housing No. 0  - Flexible Coupling for 18" Flywheel (SAE J620 size 460):  • Non Silicone Centaflex CF-R-420 (Emergency Come Home Device Standard)  - Unit Mounted Oil Filter / Oil Strainer  - Pressure Gauge, Temperature Gauge and Switch  - Mechanical OR Electric Control Valve  - Companion Flange	X-9882-A	1.93:1 2.58:1 2.90:1 3.26:1 3.91:1 4.60:1 5.17:1 6.18:1 7.00:1 7.47:1	SAE "0"	2019	(4,447)	US\$ 68,236.72
WG-540 Vertical Offset, C.I. Housing with Following Standard Equipment: - SAE J617 Housing No. 00 - Flexible Coupling for 21" Flywheel (SAE J620 size 530): • Non Silicone Centaflex CF-R-420 (Emergency Come Home Device Standard) - Unit Mounted Oil Filter / Oil Strainer - Pressure Gauge, Temperature Gauge and Switch - Mechanical <u>OR</u> Electric Control Valve - Companion Flange	X-9942-A	1.71:1 1.93:1 2.59:1 2.90:1 3.26:1 4.60:1 5.17:1 6.18:1	SAE "00"	2105	(4,637)	US\$ 67,971.64

### Important Notes:

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required. Consult MG-540 Drawings for limited input speeds and for free standing MG-540 arrangement.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

NUMBER   Kg   (Lbs)   ADDER   NUMBER   LIST PRICE	MG-540 Series ACCESSOR	IES				
Torsional Couplings	DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIELD	) KIT
Centaliza CFR-420 for 18 Flywheel (SAE J620 size 460)   Emergency Come Home Device Standard Control (Centaliza CFR-420 for 17 Flywheel (SAE J620 size 460)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 18 Flywheel (SAE J620 size 460)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 18 Flywheel (SAE J620 size 460)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 18 Flywheel (SAE J620 size 460)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 21 Flywheel (SAE J620 size 530)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 21 Flywheel (SAE J620 size 530)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 21 Flywheel (SAE J620 size 530)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 21 Flywheel (SAE J620 size 530)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 21 Flywheel (SAE J620 size 530)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 21 Flywheel (SAE J620 size 530)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 21 Flywheel (SAE J620 size 530)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 21 Flywheel (SAE J620 size 530)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 21 Flywheel (SAE J620 size 530)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 21 Flywheel (SAE J620 size 530)   W Emergency Come Home Device Standard Control (Valuatik VL3411S Series for 21 Flywheel (Valuatik VL34		NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Centaliza CF-R-420 for 21* Flywheel (SAE J620 size 530)	Torsional Couplings					
Silicon Vulastik VI.3411 Series for 18   Plywheel (SAE J&20 size 490)   W. Emergency Come Home Device   V. 1015473   V. 1015475   V.	Centaflex CF-R-420 for 18" Flywheel (SAE J620 size 460) Emergency Come Home Device Standard	1019720		Included		
Silicon Vulastik VI.3411 Series for 18   Plywheel (SAE J&20 size 490)   W. Emergency Come Home Device   V. 1015473   V. 1015475   V.	Centaflex CF-R-420 for 21" Flywheel (SAE J620 size 530) Emergency Come Home Device Standard	1019721		Included		
Silicon Vulastik VL3411S Series for 18 Flywheel (SAE J620 size 460)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series for 21* Flywheel (SAE J620 size 530)   w/ Emergency Come Home Device Silicon Vulastik VL3411S Series Silicon Vulastik VL3411S Silicon Vulastik VL341		1015474		US\$ 1.942.43		
Selicon Vulastik VL3411S Series for 21" Flywheel (SAE J620 size 530)   w   Emergency Come Home Device   1015475	Silicon Vulastik VL3411S Series for 18" Flywheel (SAE J620 size 460) w/ Emergency Come Home Device	1015473		US\$ 2,430.37		
P.T.O.  - PTO is not available  Control Valve  Mechanical control valve (17.3 bar / 250 p.s.i.)  Electric control valve (17.3 bar / 250 p.s.i.)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  Electric control valve (17.3 bar / 250 p.s.i 250 p.s.i 250 p.s.i.	Silicon Vulastik VL3411S Series for 21" Flywheel (SAE J620 size 530) w/o Emergency Come Home Device	1015476		US\$ 1,943.47	K1251 *	
PTO is not available   Control Valve (17.3 bar / 250 p.s.i.)   XB2015A	Silicon Vulastik VL3411S Series for 21" Flywheel (SAE J620 size 530) w/ Emergency Come Home Device	1015475		US\$ 2,055.83	K1250 *	
Control Valve   Mechanical control valve (17.3 bar / 250 p.s.i. 24 VDC)   XB2015A     included   41593   U\$\$1,512.69   Electric control valve (17.3 bar / 250 p.s.i 24 VDC)   1020317     included   41723   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   1020317A     included   41723   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   1020317A     included   41724   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   1020317A     included   41724   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   1020317A     included   41724   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   V\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   V\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   U\$\$2,590.60   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   U\$\$2,590.60   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   U\$\$2,590.60   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VDC)   U\$\$2,590.60   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VBC)   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VBC)   U\$\$2,590.60   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VBC)   U\$\$2,590.60   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VBC)   U\$\$2,590.60   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VBC)   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VBC)   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VBC)   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VBC)   U\$\$2,590.60   Electric control valve (17.3 bar / 250 p.s.i 12 VBC)   U\$	P.T.O.					
Mechanical control valve (17.3 bar / 250 p.s.i 24 VDC)	- PTO is not available					
Electric control valve (17.3 bar / 250 p.s.i 24 VDC)  1020317A included 41723 US\$2,590.60 US\$2,590.60 Electric control valve (17.3 bar / 250 p.s.i 12 VDC)  Please note: Rate-of-Rise is standard on all available mechanical and electric selector valves  Trolling  Trolling  Trolling valve is not available  N/A N/A  Oil Filter / Oil Strainer  Unit mounted oil filter  Companion Flange  Companion Flange including bolts and nuts  XB-6171 Included  Monitoring  Pressure gauge (loose)  B-1703-D 0.5 (1) Included  Temperature gauge and switch (loose)  B-3424 0.5 (1) Included  Heat Exchanger  Heat exchanger for fresh water cooling (25-100 gpm, 165° F max.)  Heat exchanger for raw water cooling (43-70 gpm, 85° F max.)  XB1618H 30.0 (66) US\$ 2,305.53 K-110 *  XB1618H 30.0 (62) US\$ 2,712.32 K-109 *  Mounting Brackets  - Steel fabricated mounting brackets  1016428-H 52.0 (115) US\$ 915.00  Service Manuals	Control Valve					
Electric control valve (17.3 bar / 250 p.s.i 12 VDC)	Mechanical control valve (17.3 bar / 250 p.s.i.)	XB2015A		included	41593	US\$1,512.69
Please note: Rate-of-Rise is standard on all available mechanical and electric selector valves	Electric control valve (17.3 bar / 250 p.s.i 24 VDC)	1020317		included	41723	US\$2,590.60
Trolling	Electric control valve (17.3 bar / 250 p.s.i 12 VDC)	1020317A		included	41724	US\$2,590.60
- Trolling valve is not available  N/A  N/A  N/A  N/A  N/A  N/A  N/A  N/	Please note: Rate-of-Rise is standard on all available mechanical and electric selector valves					
Oil Filter / Oil Strainer   Unit mounted oil filter   Included   Included						
Unit mounted oil filter	- Trolling valve is not available	N/A		N/A		
Companion Flange   Companion Flange including bolts and nuts   XB-6171   Included   Included	Oil Filter / Oil Strainer					
Monitoring   Pressure gauge (loose)   B-1703-D   0.5 (1)   Included   Inclu	Unit mounted oil filter			Included		
Monitoring	Companion Flange					
B-1703-D   0.5   (1)   Included   Companion Flange including bolts and nuts	XB-6171		Included			
B-3424   0.5   (1)   Included	Monitoring					
Heat Exchanger Heat exchanger for fresh water cooling (25-100 gpm, 165° F max.)  Heat exchanger for raw water cooling (43-70 gpm, 85° F max.)  Mounting Brackets  - Steel fabricated mounting brackets  Service Manuals		B-1703-D		Included		
Heat exchanger for fresh water cooling (25-100 gpm, 165° F max.)   XB1618H   30.0 (66)   US\$ 2,305.53   K-110 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *   K-109 *	Temperature gauge and switch (loose)	B-3424	0.5 (1)	Included		
Heat exchanger for raw water cooling (43-70 gpm, 85° F max.)   XB1618G   28.0 (62)   US\$ 2,712.32   K-109 *	Heat Exchanger					
Mounting Brackets - Steel fabricated mounting brackets  Service Manuals						
- Steel fabricated mounting brackets 1016428-H 52.0 (115) US\$ 915.00 Service Manuals	Heat exchanger for raw water cooling (43-70 gpm, 85° F max.)	XB1618G	28.0 (62)	US\$ 2,712.32	K-109 *	
Service Manuals	Mounting Brackets					
	- Steel fabricated mounting brackets	1016428-H	52.0 (115)	US\$ 915.00		
- for MG-540 US\$ 60.00	Service Manuals					
	- for MG-540	1015427		US\$ 60.00		

Important Notes:

\* Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5506 Series MARINE TRA	ANSMISSI	ONS					
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEIGHT kg (Lbs)		LIST	PRICE
MG-5506  Vertical Offset, Cast Iron Housing with Following Standard Equipment:  - SAE J617 Housing No. 0 OR No. 00  - Flexible Coupling (Without Emergency Come Home Device)  • Silicon Vulastik L-34D1-S for 18" Flywheel (SAE J620 size 460)  • Silicon Vulastik L-4011-S for 21" Flywheel (SAE J620 size 530)  - Mechanical Control Valve  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer  - Companion Flange	TBA 7-39253	4.03:1 4.55:1 4.96:1 5.44:1 6.00:1	SAE 0	2,200 2,200	(4,846) (4,846)	US\$ US\$	82,470 80,280
MG-5506 - Freestanding Vertical Offset, Cast Iron Housing, Freestanding with Following Standard Equipment: - Input Flange - Mechanical Control Valve - Mounted Raw Water Heat Exchanger - Unit Mounted Oil Filter / Oil Strainer - Companion Flange	ТВА	4.03:1 4.55:1 4.96:1 5.44:1 6.00:1	None	TBA		US\$	67,880

### **Important Notes:**

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump configuration will be required.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5506 Series ACCESS	ORIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE		D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings			1		
Silicon Vulastic L-34D1-S for 18" Flywheel (SAE J620 size 460) w/o Emergency Come Home Device - for MG-5506	ТВА	TBA	see unit pricing	TBA	TBA
Silicon Vulastic L-4011-S for 21" Flywheel (SAE J620 size 530) w/o Emergency Come Home Device - for MG-5506	TBA	TBA	see unit pricing	TBA	TBA
Input Flange - for MG-5506	ТВА	TBA	see unit pricing	TBA	TBA
			3		
PTO					
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt) - for MG-5506	TBA	TBA	US\$ 2,400	TBA	TBA
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt) - for MG-5506	TBA	TBA	US\$ 8,620	TBA	TBA
Hydraulic Clutchable Shaft Drive PTO - Not Available  Control Valve					
Mechanical control valve					
- for MG-5506	ТВА		Included	ТВА	TBA
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation			moradod		
- for MG-5506	TBA		US\$ 3,260	TBA	TBA
Please note that the GP-Valve requires a special oil filter (see below)					
Trolling			l		
Mechanical trolling valve for mechanical control valve					
- for MG-5506 Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted	TBA		US\$ 1,080	TBA	TBA
- for MG-5506	TBA		US\$ 850	TBA	TBA
Mechanical trolling for electric control valve (GP-Valve) - Not Available					
Oil Filter / Oil Strainer			1		
Unit mounted oil filter - standard version					
- for MG-5506 Unit mounted oil filter - for high filtration requirements - required with electric valve (GP-Valve)	Standard		Included	TBA	TBA
- for MG-5506	TBA		US\$ 250	TBA	TBA
Double oil filter for special classification society requirements - for MG-5506	ТВА		US\$ 1,630	TBA	TBA
Companion Flange			1		
Companion Flange including bolts and nuts - for MG-5506	TBA	161.0 (355)	Included	TBA	TBA
Monitoring	TDA		1100 470	TD A	TDA
Local pressure gauge (loose) Local temperature gauge (loose)	TBA TBA		US\$ 170 US\$ 40	TBA TBA	TBA TBA
Pressure switch	TBA		US\$ 250	TBA	TBA
Temperature switch	TBA		US\$ 250	TBA	TBA
Oil filter differential pressure switch (loose)	TBA		TBA	TBA	TBA
Heat Exchanger	I	L	l .		
Mounted raw water heat exchanger					
- raw water flow 100 liters/minute (26 gpm), max. raw water temperature 32°C (90°F)	TBA		Included	TBA	TBA
Trailing Pump		1	1		1
Output shaft driven trailing pump					
- for MG-5506	TBA	TBA	US\$ 670	TBA	TBA
Mounting Brackets		1	1		
Steel fabricated mounting brackets for rigid mounting	TD 4	TD 4	1100 4040	TD 4	- TD 4
- for MG-5506	TBA	TBA	US\$ 1,610	TBA	TBA
Service Manual					
- for MG-5506	TBA		TBA		
					1

Important Notes:
Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5600 Series MARINE TRA	NSMISSIC	ONS				
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIST PRICE
MG-5600  Vertical Offset, C.I. Housing with Following Standard Equipment:  - SAE J617 Housing No. 0 <u>OR</u> No. 00  - Flexible Coupling for 18" <u>OR</u> 21" Flywheel (SAE J620 size 460 <u>OR</u> 530)  • Non-Silicon Centaflex CF-R-520 (Emergency Come Home Device Standard)  - Electric Control Valve  - Mounted Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer  - Pressure Guage, Temperature Gauge and Switch  - Companion Flange	1015239	2.53:1 2.98:1 3.51:1 4.03:1 5.04:1 6.04:1	SAE 0	3,065 3,125	(6,751) (6,883)	,
MG-5600  Vertical Offset, C.I. Housing, Freestanding with Following Standard Equipment:  Input Flange to fit Centa or Vulkan Coupling  Electric Control Valve  Mounted Heat Exchanger  Unit Mounted Oil Filter / Oil Strainer  Pressure Guage, Temperature Gauge and Switch  Companion Flange	1016001	2.53:1 2.98:1 3.51:1 4.03:1 5.04:1 6.04:1	None	2,920	(6,432)	US\$ 85,957.8
MG-5600DR  Dbl. Red., Vertical Offset, C.I. Housing, Freestanding with Following Standard Equipment:  - Input Flange to fit Centa or Vulkan Coupling  - Electric Control Valve  - Mounted Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer  - Pressure Guage, Temperature Gauge and Switch  - Companion Flange	1018100	6.02:1 6.56:1 7.01:1	None	3,465	(7,632)	US\$100,814.70

### **Important Notes:**

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump installation will be required.

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-5600 Series ACCESSO					
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIELD	
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings					
Centaflex CF-R-520 for 18" Flywheel (SAE J620 size 460)	1019653	64.0 (141)	Included		
Centaflex CF-R-520 for 21" Flywheel (SAE J620 size 530)	1019655	68.0 (150)	Included		
Centa CX-72 for 18" Flywheel (SAE J620 size 460) Free Standing w/Emergency Come Home Device	1016684	205.0 (452)	US\$16,303.07		
Centa CX-72 for 21" Flywheel (SAE J620 size 530) Free Standing w/Emergency Come Home Device	1016686	220.0 (485)	US\$16,303.07		
Vulkan R1721 for 18" Flywheel (SAE J620 size 460) Free Standing w/o Emergency Come Home Device	1016680	94.0 (207)	US\$17,785.64		
Vulkan R1721 for 21" Flywheel (SAE J620 size 530) Free Standing w/o Emergency Come Home Device	1016682	97.0 (214)	US\$17,785.64		
Vulkan R1721 for 18" Flywheel (SAE J620 size 460) Free Standing w/Emergency Come Home Device	1016681	94.0 (207)	US\$20,692.94		
Vulkan R1721 for 21" Flywheel (SAE J620 size 530) Free Standing w/Emergency Come Home Device	1016683	97.0 (214)	US\$20,692.94		
РТО					
Live Pump Mount PTO - SAE-J-744 size 127-2/-4, 32-4, max. 592 Nm (SAE "C" 2/4 bolt)	1016038	11.0 (24)	US\$ 1,773.88	40106	
Control Valve	1	1	•		
Mechanical Control Valve (17.3 bar / 250 p.s.i.)	XA-7108-A		No Extra Cost	42555	
Electric Control Valve (20 bar / 290 p.s.i 24V)	1018084-H		Standard	40758	
Electric Control Valve (20 bar / 290 p.s.i 12V)	1018084-J		Standard	40761	
GP Control Valve with Profile Module	1020941B		Otaridard	42556	
Please note: Rate of Rise is standard on all available mechanical and electrical control valves					
Trolling	•	•	•		
Mechanical trolling valve for electric selector valve (1018084 series)	1018440-H				
Mechanical trolling valve for electric selector valve (1018084 series)	1018440-J				
Mechanical trolling valve for electric selector valve (1018084 series) For Drawing 1018100	1018440-N				
Oil Filter / Oil Strainer					
Unit mounted oil filter	1020872		Included		
Companion Flange					
Companion Flange including bolts and nuts (Factory Installed)					
- For non-propeller shaft brake applications	1018650		Included	42383	
- For disc type propeller shaft brake applications	1018651	27.0 (59)	US\$ 3,027.56	42382	
		` ,			
Monitoring					
Pressure gauge (loose)	B-1703-D		Included		
Temperature gauge and switch (loose)	B-3424A		Included		
Heat Exchanger					
- For Raw or Fresh Water; Water Flow Rate: 30 to 75 gpm,	M1959AQ		Included		
- 130° F Max. Water Temperature					
Consult Twin Disc for Water Temperatures Exceeding 130° F					
Oil By Pass Thermostatic Valve					
Factory installed Oil By Pass Thermostatic Valve	TBA	23.0 (51)	US\$ 1,680.25		
Trailing Pump	1				
Electric Trailing Pump - Remote Mounted	1016473	27.0 (59)	US\$ 3,054.09		
Mounting Brackets	l	I	1		
- Steel fabricated mounting brackets for rigid mounting	1016428-AA	102.0 (225)	US\$ 1,675.00		
	1016428-AB		US\$ 1,805.00		
Adapter Kit	.010-120-AD	.23.0 (204)	υσφ 1,000.00		
Metric to NPTF Adapter Kit - K1232			US\$ 134.61		
Service Manual	•		•		
- for MG-5600 and MG5600DR	1020007		US\$ 60.00		

Important Notes:
Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

Racine, Wisconsin

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### **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6449 Series MARINE TRA	NSMISSI	ONS					
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEIGHT kg (Lbs)		LIST	PRICE
MG-6449 A  10° Down Angle, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  - Silicon Vulkardan E-4911-S (Emergency Come Home Device Standard)  - GP-Valve (New <u>General Purpose Electric Control Valve</u> )  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-37705 7-37931	1.51:1 1.73:1 2.07:1 2.44:1 2.95:1	SAE 1 SAE 0	358 359	(789) (791)	US\$ US\$	31,34 31,93
MG-6449 A - Freestanding  10° Down Angle, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	1.51:1 1.73:1 2.07:1 2.44:1 2.95:1		TE	3A	US\$	28,13
MG-6449 RV  10° Down Angle, Aluminum Housing, Freestanding, with Following Standard Equipment:  - 225 mm GWB Input Flange  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-37431-A	1.51:1 1.73:1 2.07:1 2.44:1 2.95:1		295	(650)	US\$	30,40

Important Notes:
Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump configuration will be required.

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### REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6449 Series ACCESS	ORIES				
DESCRIPTION	DRAWING NUMBER	WEIGHT kg (Lbs)	LIST PRICE ADDER	FIEL NUMBER	D KIT LIST PRICE
Torsional Couplings					
Silicon Vulkardan E-4911-S for 14" Flywheel (SAE J620 size 355) w/ Emergency Come Home Device - for MG-6449 A	3-50167-C	ТВА	see unit pricing	ТВА	TBA
Silicon Vulkardan E-4911-S for 18" Flywheel (SAE J620 size 460) w/ Emergency Come Home Device - for MG-6449 A	TBA	ТВА	see unit pricing	ТВА	TBA
Silicon Vulastic L-3411-S for 18" Flywheel (SAE J620 size 460) w/ Emergency Come Home Device - for MG-6449 A	ТВА	TBA	US\$ 1,630	TBA	TBA
Input Flange size GWB 587.35 - for MG-6449 RV	3-38620-F	ТВА	see unit pricing	ТВА	TBA
PTO					
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)			1		
- for MG-6449 A	7-37256	7.5 (17)	US\$ 1,280	5Z03774	TBA
- for MG-6449 RV	TBA	8.0 (18)	US\$ 1,280	5Z03774-1	TBA
PTO adapter kit from SAE "C" to SAE "A" for live PTO's	TBA	TBA	TBA	5Z03174-1 5Z03159-4	TBA
	l l				
PTO adapter kit from SAE "C" to SAE "B" for live PTO's	TBA	TBA	TBA	5Z03159-6	TBA
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)		,			
- for MG-6449 A	7-37257	48.0 (106)	US\$ 4,750	5Z03775	TBA
- for MG-6449 RV	TBA	48.0 (106)	US\$ 4,750	5Z03775-1	TBA
PTO adapter kit from SAE "C" to SAE "A" for clutchable PTO's	TBA	TBA	TBA	5Z03160-8	TBA
PTO adapter kit from SAE "C" to SAE "B" for clutchable PTO's	TBA	TBA	TBA	5Z03160-9	TBA
Hydraulic Clutchable Shaft Drive PTO - Not Available					
Control Valve		1	1		
GP-Valve ( <u>G</u> eneral <u>P</u> urpose electric control <u>Valve</u> ) with manual override for emergency operation - for MG-6449 A and MG-6449 RV	ТВА		Included	ТВА	TBA
Trolling		I			
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted - for MG-6449 A and MG-6449 RV	ТВА		US\$ 950	ТВА	TBA
Oil Filter / Oil Strainer	•		,		
Unit mounted oil filter	Standard		Included		
Companion Flange		U			
Companion Flange including bolts and nuts					
- for MG-6449 A and MG-6449 RV	3-49586-H	31.5 (69)	US\$ 370	5Z03512-1	TBA
Monitoring					
Local pressure gauge (loose)	TBA		US\$ 100	TBA	TBA
Local temperature gauge (loose)	TBA		US\$ 30	TBA	TBA
Pressure switch	TBA		US\$ 170	TBA	TBA
Temperature switch	TBA		US\$ 270	TBA	TBA
Oil filter differential pressure switch (loose)	TBA		US\$ 130	TBA	TBA
Heat Exchanger		l	l		
Intergral raw water heat exchanger					
- raw water flow 60 - 80 liters/minute (16-21 gpm), max. raw water temperature 32°C (90°F)			Included	TBA	TBA
Trailing Pump			1		
Output shaft driven trailing pump				-	
- for MG-6449 A and MG-6449 RV	5-49402	2.0 (4)	US\$ 490	5Z05226	TBA
Mounting Brackets					
Steel fabricated mounting brackets for rigid mounting - for MG-6449 A and MG-6449 RV	ТВА	TBA	US\$ 630	ТВА	TBA
Service Manual					
- for MG-6449 A	1020666		US\$ 60		
- for MG-6449 RV	TBA		TBA		

Important Notes:
Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit prices.

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### **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6557 Series MARINE TRA					
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEIGHT kg (Lbs)	LIST PRIC
MG-6557 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  • Silicon Vulkardan E-4911-S ' (Emergency Come Home Device Standard)  - GP-Valve (New <u>G</u> eneral <u>P</u> urpose Electric Control <u>Valve</u> )	7-38059 (For SAE#1)	1.07:1 1.30:1 1.50:1 1.66:1 1.74:1	SAE 1	438 (965)	US\$ 33,7
<ul> <li>Manual override for GP-Valve - for emergency operation</li> <li>Mounted Raw Water Heat Exchanger</li> <li>Unit Mounted Oil Filter / Oil Strainer</li> </ul>	7-37707 (For SAE#0)	1.97:1 2.04:1 2.45:1 2.82:1 2.93:1	SAE 0	449 (989)	US\$ 34,
MG-6557 SC - Freestanding  Vertical Offset, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	1.07:1 1.30:1 1.50:1 1.66:1 1.74:1 1.97:1 2.04:1 2.45:1 2.82:1 2.93:1		ТВА	US\$ 30,
MG-6557 A  10° Down Angle, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  • Silicon Vulkardan E-4911-S ') (Emergency Come Home Device Standard)  - GP-Valve (New <u>General Purpose Electric Control Valve</u> )  - Manual override for GP-Valve - for emergency operation  - Mounted Intergral Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-37934 (For SAE#1) 7-38008 (For SAE#0)	1.29:1 1.51:1 1.74:1 2.03:1 2.48:1 2.92:1	SAE 1	443 (976) 454 (1,000)	US\$ 35,7
MG-6557 A - Freestanding  10° Down Angle, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Intergral Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	1.29:1 1.51:1 1.74:1 2.03:1 2.48:1 2.92:1		ТВА	US\$ 32,3
MG-6557 RV  10° Remote V-Drive, Aluminum Housing with Following Standard Equipment: - 225 mm GWB Input Flange - GP-Valve (New General Purpose Electric Control Valve) - Manual override for GP-Valve - for emergency operation - Mounted Raw Water Heat Exchanger - Unit Mounted Oil Filter / Oil Strainer	737936	1.29:1 1.51:1 1.74:1 2.03:1 2.48:1 2.92:1		448 (987)	US\$ 35,4

Important Notes:
Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump configuration will be required.
Ther maximum rating for the Silicon Vulkardan E-4911-S is 1204 kW (1615 bhp) @ 2300 rpm

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### REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6557 Series ACCESS	ORIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIEL	
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings	1	ı	ı		
Silicon Vulkardan E-4911-S for 14" Flywheel (SAE J620 size 355) w/ Emergency Come Home Device - for MG-6557 SC and MG-6557 A	3-49609-A	TBA	see unit pricing	ТВА	ТВА
Silicon Vulkardan E-4911-S for 18" Flywheel (SAE J620 size 460) w/ Emergency Come Home Device - for MG-6557 SC and MG-6557 A	3-49609-C	TBA	see unit pricing	TBA	TBA
Silicon Vulastic L-3411-S for 18" Flywheel (SAE J620 size 460) w/ Emergency Come Home Device - for MG-6557 SC and MG-6557 A	TBA	TBA	US\$ 1,530	ТВА	ТВА
Input Flange size GWB 587.35 - for MG-6557 RV	3-50094	TBA	see unit pricing	TBA	TBA
PTO					
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)					
- for MG-6557 SC and MG-6557 A	7-37004-A	8.0 (18)	US\$ 1,340	5Z03159	TBA
- for MG-6557 RV	7-37006-A	8.0 (18)	US\$ 1,340	5Z03159-2	TBA
PTO adapter kit from SAE "C" to SAE "A" for live PTO's	TBA	TBA	TBA	5Z03159-4	TBA
PTO adapter kit from SAE "C" to SAE "B" for live PTO's	TBA	TBA	TBA	5Z03159-6	TBA
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)					
- for MG-6557 SC	7-37071-B	48.0 (106)	US\$ 4,940	5Z03160	TBA
- for MG-6557 A	7-37062-B	48.0 (106)	US\$ 4,940	5Z03160-1	TBA
- for MG-6557 RV	7-37063	48.0 (106)	US\$ 4,940	5Z03160-2	TBA
PTO adapter kit from SAE "C" to SAE "A" for clutchable PTO's	TBA	TBA	TBA	5Z03160-8	TBA
PTO adapter kit from SAE "C" to SAE "B" for clutchable PTO's	TBA	TBA	TBA	5Z03160-9	TBA
Hydraulic Clutchable Shaft Drive PTO - Not Available					
Control Valve	•	•			
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation					
- for MG-6557 SC, MG-6557 A and MG-6557 RV	TBA		Included	TBA	TBA
Trolling	I	I	ı		
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted					
- for MG-6557 SC, MG-6557 A and MG-6557 RV	TBA		US\$ 950	TBA	TBA
Oil Filter / Oil Strainer					
Unit mounted oil filter	Standard		Included		
One mounted on mon	Otaridara		moladod		
Companion Flange		l.	L		
Companion Flange including bolts and nuts					
- for MG-6557 SC, MG-6557 A and MG-6557 RV	3-49586-R	52.0 (115)	US\$ 530	5Z03157-4	TBA
Monitoring		I	ı		
Local pressure gauge (loose)	TBA		US\$ 100	TBA	TBA
Local temperature gauge (loose)	TBA		US\$ 30	TBA	TBA
Pressure switch	TBA		US\$ 180	TBA	TBA
Temperature switch	TBA		US\$ 280	TBA	TBA
Oil filter differential pressure switch (loose)	TBA		US\$ 140	TBA	TBA
Hart Frederica					
Heat Exchanger	1	ı	1		1
Intergral raw water heat exchanger - raw water flow 60 - 80 liters/minute (16-21 gpm), max. raw water temperature 32°C (90°F)			Included	TBA	TBA
Trailing Pump					
Output shaft driven trailing pump		I			1
	5.40004	2.0 (4)	US\$ 500	5702450	TDA
- for MG-6557 SC - for MG-6557 A and MG-6557 RV	5-49091 5-49092	2.0 (4) 2.0 (4)	US\$ 500 US\$ 500	5Z03158 5Z03158-1	TBA TBA
	5-49092	2.0 (4)	US\$ 500	3ZU3138-1	IBA
- Ioi Mio-ossi A and Mio-ossi NV					
		l .			
Mounting Brackets					
	5-50858	TBA	US\$ 820	ТВА	ТВА
Mounting Brackets Steel fabricated mounting brackets for rigid mounting	5-50858	ТВА	US\$ 820	ТВА	ТВА
Mounting Brackets Steel fabricated mounting brackets for rigid mounting - for MG-6557 SC, MG-6557 A and MG-6557 RV	5-50858	TBA	US\$ 820	ТВА	ТВА
Mounting Brackets Steel fabricated mounting brackets for rigid mounting - for MG-6557 SC, MG-6557 A and MG-6557 RV  Service Manual - for MG-6557 SC	TBA		TBA	ТВА	ТВА
Mounting Brackets Steel fabricated mounting brackets for rigid mounting - for MG-6557 SC, MG-6557 A and MG-6557 RV  Service Manual			·	ТВА	ТВА

Important Notes:
Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit prices.

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### **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6598 DC MARINE TRAI	ISMISSIOI	NS					
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	IGHT (Lbs)	LIST	PRICE
MG-6598 DC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  • Silicon Vulkardan E-4911-S " (Emergency Come Home Device Standard)  - GP-Valve (New <u>General Purpose Electric Control Valve</u> )  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-38063 (For SAE#1) 7-37531 (For SAE#0)	2.46:1 3.03:1 3.48:1 3.93:1 4.29:1	SAE 1 SAE 0	512 522	(1,128) (1,150)		41,120 41,520
MG-6598 DC - Freestanding  Vertical Offset, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	2.46:1 3.03:1 3.48:1 3.93:1 4.29:1		ТВА		US\$	37,730

Important Notes:
Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump configuration will be required.

Ther maximum rating for the Silicon Vulkardan E-4911-S is 1204 kW (1615 bhp) @ 2300 rpm

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6598 DC ACCESSOR	RIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIEL	D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings		(===)			
Silicon Vulkardan E-4911-S for 14" Flywheel (SAE J620 size 355) w/ Emergency Come Home Device					
- for MG-6598 DC	3-50103	TBA	see unit pricing	TBA	TBA
Silicon Vulkardan E-4911-S for 18" Flywheel (SAE J620 size 460) w/ Emergency Come Home Device			a p		
- for MG-6598 DC	TBA	TBA	see unit pricing	TBA	TBA
Silicon Vulastic L-3411-S for 18" Flywheel (SAE J620 size 460) w/ Emergency Come Home Device			3		
- for MG-6598 DC	3-50110	TBA	US\$ 1,530	TBA	TBA
			,		
PTO					
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)					
- for MG-6598 DC	7-37004-A	8.0 (18)	US\$ 1,340	5Z03159	TBA
PTO adapter kit from SAE "C" to SAE "A" for live PTO's	TBA	TBA	TBA	5Z03159-4	TBA
PTO adapter kit from SAE "C" to SAE "B" for live PTO's	TBA	TBA	TBA	5Z03159-6	TBA
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)					
- for MG-6598 DC	7-37064-B	48.0 (106)	US\$ 4,940	5Z03160	TBA
PTO adapter kit from SAE "C" to SAE "A" for clutchable PTO's	TBA	TBA ` ´	TBA	5Z03160-8	TBA
PTO adapter kit from SAE "C" to SAE "B" for clutchable PTO's	TBA	TBA	TBA	5Z03160-9	TBA
Hydraulic Clutchable Shaft Drive PTO - Not Available					
Control Valve					
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation					
- for MG-6598 DC	TBA		Included	TBA	TBA
- ···					
Trolling	_		1		
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted	TDA		1100	TD A	TDA
- for MG-6598 DC	TBA		US\$ 950	TBA	TBA
Oil Filter / Oil Strainer			l		
Unit mounted oil filter	Standard		Included		
Companion Flange					
Companion Flange including bolts and nuts					
- for MG-6598 DC	3-49586-A	75.0 (165)	US\$ 840	5Z03157-3	TBA
Monitoring					
Local pressure gauge (loose)	TBA		US\$ 100	TBA	TBA
Local temperature gauge (loose)	TBA		US\$ 30	TBA	TBA
Pressure switch	TBA		US\$ 180	TBA	TBA
Temperature switch	TBA		US\$ 280	TBA	TBA
Oil filter differential pressure switch (loose)	TBA		US\$ 140	TBA	TBA
Oil litter differential pressure switch (100se)	IDA		03\$ 140	IDA	IDA
Heat Exchanger			•		1
Intergral raw water heat exchanger					
- raw water flow 60 - 80 liters/minute (16-21 gpm), max. raw water temperature 32°C (90°F)			Included	TBA	TBA
		<u> </u>			
Trailing Pump			1		
Output shaft driven trailing pump	F 40000		1100 500	5700450 5	TDA
- for MG-6598 DC	5-49096	2.0 (4)	US\$ 500	5Z03158-5	TBA
Mounting Brackets		<u> </u>	I		<del> </del>
Steel fabricated mounting brackets for rigid mounting	1				
- for MG-6598 DC	5-50858-A	TBA	US\$ 820	TBA	TBA
Service Manual				_	
- for MG-6598 DC	TBA		TBA		
- 101 NIG-0346 DC	IBA		IBA		

#### Important Notes:

Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit prices.



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The MGX series transmissions are not released for production at this time. Please contact Twin Disc, Inc. for release date

### **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MGX-6598 Series MARINE TR	ANSMISS	IONS			
MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WEIGHT	LIST PRICE
MGX-6598 SC	NUMBER	1.07:1	HSG	kg (Lbs)	
Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  • Silicon Vulkardan E-4911-S ') (Emergency Come Home Device Standard)	TBA (For SAE#1)	1.30:1 1.50:1 1.66:1 1.74:1	SAE 1	490 (1,079)	US\$ 36,730
<ul> <li>GP-Valve (New General Purpose Electric Control Valve)</li> <li>Manual override for GP-Valve - for emergency operation</li> <li>Quickshift<sup>TM</sup> Clutch Technology</li> <li>Mounted Raw Water Heat Exchanger</li> <li>Unit Mounted Oil Filter / Oil Strainer</li> </ul>	TBA (For SAE#0)	1.97:1 2.04:1 2.45:1 2.82:1 2.93:1	SAE 0	495 (1,090)	US\$ 37,140
MGX-6598 SC - Freestanding  Vertical Offset, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift™ Clutch Technology  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	1.07:1 1.30:1 1.50:1 1.66:1 1.74:1 1.97:1 2.04:1 2.45:1 2.82:1 2.93:1		ТВА	US\$ 33,340
MGX-6598 DC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)  • Silicon Vulkardan E-4911-S ') (Emergency Come Home Device Standard)  - GP-Valve (New <u>G</u> eneral <u>P</u> urpose Electric Control <u>Valve</u> )  - Manual override for GP-Valve - for emergency operation  - Quickshift <sup>IM</sup> Clutch Technology  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	TBA (For SAE#1) TBA (For SAE#0)	2.46:1 3.03:1 3.48:1 3.93:1 4.29:1	SAE 1 SAE 0	610 (1,344) 615 (1,355)	US\$ 43,800 US\$ 44,210
MGX-6598 DC - Freestanding  Vertical Offset, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift™ Clutch Technology  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	2.46:1 3.03:1 3.48:1 3.93:1 4.29:1		TBA	US\$ 40,410
MGX-6598 A  10° Down Angle, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 1 <u>OR</u> No. 0  - Flexible Coupling for 14" <u>OR</u> 18" Flywheel (SAE J620 size 355 <u>OR</u> 460)	TBA (For SAE#1)	1.29:1 1.51:1 1.74:1	SAE 1	490 (1,079)	US\$ 38,910
<ul> <li>Silicon Vulkardan E-4911-S</li> <li>(Emergency Come Home Device Standard)</li> <li>GP-Valve (New General Purpose Electric Control Valve)</li> <li>Manual override for GP-Valve - for emergency operation</li> <li>Quickshift<sup>TM</sup> Clutch Technology</li> <li>Mounted Raw Water Heat Exchanger</li> <li>Unit Mounted Oil Filter / Oil Strainer</li> </ul>	TBA (For SAE#0)	2.03:1 2.48:1 2.92:1	SAE 0	495 (1,090)	US\$ 39,320
MGX-6598 A - Freestanding  10° Down Angle, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift ™ Clutch Technology  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	1.29:1 1.51:1 1.74:1 2.03:1 2.48:1 2.92:1		TBA	US\$ 35,520
MGX-6598 RV  10° Remote V-Drive, Aluminum Housing with Following Standard Equipment:  - 225 mm GWB Input Flange  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift ™ Clutch Technology  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	1.29:1 1.51:1 1.74:1 2.03:1 2.48:1 2.92:1		455 (1,002)	US\$ 37,430

#### **Important Notes:**

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump configuration will be required. 
Ther maximum rating for the Silicon Vulkardan E-4911-S is 1204 kW (1615 bhp) @ 2300 rpm



The MGX series transmissions are not released for production at this time. Please contact Twin Disc, Inc. for release date

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

DESCRIPTION	DRAWING NUMBER	WEIGHT kg (Lbs)	LIST PRICE ADDER	FIEL NUMBER	D KIT LIST PRIC
Forsional Couplings	- NOMBER	g (200)	7.002.1	HOMBER	2.0111.0
Silicon Vulkardan E-4911-S for 14" Flywheel (SAE J620 size 355) w/ Emergency Come Home Device					
- for MGX-6598 SC and MGX-6598 A	3-49609-A	TBA	see unit pricing	TBA	TBA
- for MGX-6598 DC	3-50103	TBA	see unit pricing	TBA	TBA
Silicon Vulkardan E-4911-S for 18" Flywheel (SAE J620 size 460) w/ Emergency Come Home Device					
- for MGX-6598 SC and MGX-6598 A	3-49609-C	TBA	see unit pricing	TBA	TBA
- for MGX-6598 DC	TBA	TBA	see unit pricing	TBA	TBA
Silicon Vulastic L-3411-S for 18" Flywheel (SAE J620 size 460) w/ Emergency Come Home Device					
- for MGX-6598 SC and MGX-6598 A	TBA	TBA	US\$ 1,530	TBA	TBA
- for MGX-6598 DC	3-50110	TBA	US\$ 1,530	TBA	TBA
nput Flange size GWB 587.35			, , , , , , , , , , , , , , , , , , , ,		
- for MGX-6598 RV	3-50094	TBA	see unit pricing	TBA	TBA
······································			a pg		
PTO	•				
ive Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)					
- for MGX-6598 SC, MGX-6598 DC and MGX-6598 A	7-37004-A	8.0 (18)	US\$ 1,340	5Z03159	TBA
- for MGX-6598 RV	7-37006-A	8.0 (18)	US\$ 1,340	5Z03159-2	TBA
PTO adapter kit from SAE "C" to SAE "A" for live PTO's	TBA	TBA	TBA	5Z03159-4	TBA
PTO adapter kit from SAE "C" to SAE "B" for live PTO's	TBA	TBA	TBA	5Z03159-6	TBA
lydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)					
- for MGX-6598 SC	7-37071-B	48.0 (106)	US\$ 4,940	5Z03160	TBA
- for MGX-6598 DC	7-37064-B	48.0 (106)	US\$ 4,940	5Z03160	TBA
- for MGX-6598 A	7-37062-B	48.0 (106)	US\$ 4,940	5Z03160 5Z03160	TBA
- for MGX-6598 A - for MGX-6598 RV	7-37062-B		US\$ 4,940 US\$ 4,940	5Z03160 5Z03160-2	TBA
	7-37063 TBA	48.0 (106) TBA		5Z03160-2 5Z03160-8	TBA
TO adapter kit from SAE "C" to SAE "A" for clutchable PTO's			TBA		
TO adapter kit from SAE "C" to SAE "B" for clutchable PTO's	TBA	TBA	TBA	5Z03160-9	TBA
					İ
Secondary Live pump mount PTO - mounted on gearbox oil pump, SAE-J-744 size 101-4, 22-2					
nax. 197 Nm (ex. SAE B, 2-bolt)					
- for MGX-6598 SC, MGX-6598 DC, MGX-6598 A and MGX-6598 RV	TBA	TBA	US\$ 490	TBA	TBA
Secondary Live pump mount PTO - mounted on gearbox oil pump, SAE-J-744 size 82-2, 16-4					
nax. 35 Nm (ex. SAE A, 2-bolt)					
- for MGX-6598 SC, MGX-6598 DC, MGX-6598 A and MGX-6598 RV	TBA	TBA	US\$ 490	TBA	TBA
Hydraulic Clutchable Shaft Drive PTO - Not Available					
Control Valve					
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation					
<ul> <li>for MGX-6598 SC, MGX-6598 DC, MGX-6598 A and MGX-6598 RV</li> </ul>	TBA		Included	TBA	TBA
Frolling		1	1		
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted - for MGX-6598 SC, MGX-6598 DC, MGX-6598 A and MGX-6598 RV	TBA		US\$ 950	TBA	TBA
io mexicoso oci mexicoso poj mexicoso riana mexicoso ri	15/		οοφ σσσ		
Dil Filter / Oil Strainer					
Init mounted oil filter	Standard		Included		
Companies Flance					
companion Flange companion Flange including bolts and nuts	1	1	1		
- for MGX-6598 SC, MGX-6598 A and MGX-6598 RV	3-49586-R	52.0 (115)	US\$ 530	5Z03157-4	TBA
- for MGX-6598 DC	3-49586-A	75.0 (165)	US\$ 840	5Z03157-3	TBA
- 101 MOX-0030 DO	3-43300-A	75.0 (105)	000 040	3203137-3	IDA
Monitoring Control of the Control of		ı	1		
ocal pressure gauge (loose)	TBA		US\$ 100	TBA	TBA
ocal temperature gauge (loose)	TBA		US\$ 30	TBA	TBA
Pressure switch	TBA		US\$ 180	TBA	TBA
emperature switch	TBA		US\$ 280	TBA	TBA
il filter differential pressure switch (loose)	TBA		US\$ 140	TBA	TBA
leat Exchanger			l		
ntergral raw water heat exchanger		1	1		
- raw water flow 60 - 80 liters/minute (16-21 gpm), max. raw water temperature 32°C (90°F)			Included	TBA	TBA
Taw water now oo oo increminate (10 21 gpm), max. taw water temperature 02 0 (50 1)			moidaca	15/1	I DA
railing Pump			•		
Output shaft driven trailing pump					
	5-49091	2.0 (4)	US\$ 500	5Z03158	TBA
- for MGX-6598 SC	5-49096	2.0 (4)	US\$ 500	5Z03158-5	TBA
- for MGX-6598 SC - for MGX-6598 DC			US\$ 500	5Z03158-3 5Z03158-1	TBA
- for MGX-6598 DC	5-40002	20 (4)			IDA
	5-49092	2.0 (4)	οοφ σσσ		
- for MGX-6598 DC	5-49092	2.0 (4)	σοφ σοσ		
- for MGX-6598 DC - for MGX-6598 A and MGX-6598 RV	5-49092	2.0 (4)	1		
- for MGX-6598 DC - for MGX-6598 A and MGX-6598 RV  ### Mounting Brackets  Steel fabricated mounting brackets for rigid mounting					TRA
- for MGX-6598 DC - for MGX-6598 A and MGX-6598 RV    founting Brackets     teel fabricated mounting brackets for rigid mounting     for MGX-6598 SC, MGX-6598 A and MGX-6598 RV	5-50858	ТВА	US\$ 820	TBA	TBA
- for MGX-6598 DC - for MGX-6598 A and MGX-6598 RV    Tounting Brackets					TBA TBA
- for MGX-6598 DC - for MGX-6598 A and MGX-6598 RV    Iounting Brackets     Iteel fabricated mounting brackets for rigid mounting     - for MGX-6598 SC, MGX-6598 A and MGX-6598 RV     - for MGX-6598 DC	5-50858	ТВА	US\$ 820	TBA	
- for MGX-6598 DC - for MGX-6598 A and MGX-6598 RV  founting Brackets  teel fabricated mounting brackets for rigid mounting - for MGX-6598 SC, MGX-6598 A and MGX-6598 RV - for MGX-6598 DC  service Manual	5-50858 5-50858-A	TBA TBA	US\$ 820 US\$ 820	TBA	
- for MGX-6598 DC - for MGX-6598 A and MGX-6598 RV    Iounting Brackets     Itel fabricated mounting brackets for rigid mounting     - for MGX-6598 SC, MGX-6598 A and MGX-6598 RV     - for MGX-6598 DC     Iounting Brackets     - for MGX-6598 SC     - for MGX-6598	5-50858 5-50858-A	TBA TBA	US\$ 820 US\$ 820	TBA	
- for MGX-6598 DC - for MGX-6598 A and MGX-6598 RV    Iounting Brackets     Itel fabricated mounting brackets for rigid mounting    - for MGX-6598 SC, MGX-6598 A and MGX-6598 RV    - for MGX-6598 DC     Itervice Manual    - for MGX-6598 SC    - for MGX-6598 DC     Itervice MGX-6598 CC    - for MGX-6598 DC     Itervice M	5-50858 5-50858-A TBA TBA	TBA TBA	US\$ 820 US\$ 820	TBA	
- for MGX-6598 DC - for MGX-6598 A and MGX-6598 RV    Iounting Brackets     Itel fabricated mounting brackets for rigid mounting     - for MGX-6598 SC, MGX-6598 A and MGX-6598 RV     - for MGX-6598 DC     Iounting Brackets     - for MGX-6598 SC     - for MGX-6598	5-50858 5-50858-A	TBA TBA	US\$ 820 US\$ 820	TBA	

#### Important Notes:

Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit prices.

The MGX series transmissions are not released for production at this time. Please contact Twin Disc, Inc. for release date

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## REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6600 DC MARINE TRANSMISSIONS									
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WE kg	EIGHT (Lbs)	LIST	PRICE		
MG-6600 DC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0  - Flexible Coupling for 18" Flywheel (SAE J620 size 460)  • Silicon Vulastik L-3411-S (Without Emergency Come Home Device)  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Intergral Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-37940 (For SAE#0)	3.30:1 4.11:1 4.68:1 4.72:1 5.21:1 6.05:1	SAE 0	855	(1,883)	US\$	60,000		
MG-6600 DC - Freestanding  Vertical Offset, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Intergral Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	3.30:1 4.11:1 4.68:1 4.72:1 5.21:1 6.05:1		-	ГВА	US\$	55,490		

#### **Important Notes:**

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump configuration will be required.

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### REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

NUMBER   Kg   Lbs   ADDER   NUMBER							ES	MG-6600 DC ACCESSOF	
Torsional Couplings   Silicon Vulsatic L341-S for 18" Flywheel (SAE J620 size 460) w/o Emergency Come Home Device   3-49631   TBA   see unit pricing   TBA	_D KIT	FIELD	CE	LIST PR	-T	WEIGHT	DRAWING		DESCRIPTION
Silicon Vulsatio L. 3411-5 for 18" Flywheel (SAE J620 size 460) w/o Emergency Come Home Device   3-49631   TBA   see unit pricing   TBA	LIST PRICE	NUMBER	₹ _	ADDE	(Lbs)	kg (L	NUMBER		
### TRAINS   TRA   See unit pricing   TRA									Torsional Couplings
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)	TBA	ТВА	icing	see unit p		ТВА	3-49631	w/o Emergency Come Home Device	
- for MG-6600 DC PTO dadper kit from SAE "C" to SAE "8" for live PTO's PTO dadper kit from SAE "C" to SAE "8" for live PTO's PTO dadper kit from SAE "C" to SAE "8" for live PTO's PTO dadper kit from SAE "C" to SAE "8" for live PTO's PTO dadper kit from SAE "C" to SAE "8" for live PTO's PTO dadper kit from SAE "C" to SAE "8" for live PTO's PTO dadper kit from SAE "C" to SAE "8" for clutchable PTO's PTO dadper kit from SAE "C" to SAE "8" for clutchable PTO's PTO dadper kit from SAE "C" to SAE "8" for clutchable PTO's PTO dadper kit from SAE "C" to SAE "8" for clutchable PTO's PTO dadper kit from SAE "C" to SAE "8" for clutchable PTO's PTO dadper kit from SAE "C" to SAE "8" for clutchable PTO's Ptydraulic Clutchable Shaft Drive PTO - Not Available PTO dadper kit from SAE "C" to SAE "8" for clutchable PTO's Ptydraulic Clutchable Shaft Drive PTO - Not Available PTO dataper kit from SAE "C" to SAE "8" for clutchable PTO's Ptydraulic Clutchable Shaft Drive PTO - Not Available PTO dataper kit from SAE "C" to SAE "8" for clutchable PTO's Ptydraulic Clutchable Shaft Drive PTO - Not Available PTO dataper kit from SAE "C" to SAE "8" for clutchable PTO's Ptydraulic Clutchable Shaft Drive PTO - Not Available PTO dataper kit from SAE "C" to SAE "8" for clutchable PTO's Ptydraulic Clutchable Shaft Drive PTO - Not Available PTO dataper kit from SAE "C" to SAE "8" for clutchable PTO's Ptydraulic Clutchable Shaft Drive PTO - Not Available Ptydraulic Clutchable Shaft Drive PTO - Not Available Ptydraulic Clutchable Shaft Drive PTO - Not Available PTO - Not Available PTO - Not Available Ptydraulic Clutchable Shaft Drive PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available PTO - Not Available									PTO
PTO adapter kit from SAE "C" to SAE "A" for clutchable PTO'S PTO adapter kit from SAE "C" to SAE "B" for clutchable PTO'S PTO adapter kit from SAE "C" to SAE "B" for clutchable PTO'S Hydraulic Clutchable Shaft Drive PTO - Not Available Control Valve GP-Valve (General Purpose electric control Valve) with manual override for emergency operation - for MG-6600 DC -	TBA TBA TBA	5Z03159-4	630	TBA	` '	TBA `	TBA	,	- for MG-6600 DC PTO adapter kit from SAE "C" to SAE "A" for live PTO's PTO adapter kit from SAE "C" to SAE "B" for live PTO's
Control Valve GP-Valve (General Purpose electric control Valve) with manual override for emergency operation - for MG-6600 DC  To MG-6600 DC	TBA TBA TBA	5Z03160-8	,210	TBA	,	TBA	TBA		PTO adapter kit from SAE "C" to SAE "A" for clutchable PTO's
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation - for MG-6600 DC  Trolling Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted - for MG-6600 DC  TBA  US\$ 950 TBA  Oil Filter / Oil Strainer Unit mounted oil filter  Companion Flange Companion Flange Companion Flange including bolts and nuts - for MG-6600 DC  3-49586-C  120.0 (264) US\$ 1,300 5Z03157-2  Monitoring  Local pressure gauge (loose) TBA									Hydraulic Clutchable Shaft Drive PTO - Not Available
Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Total   Tota									Control Valve
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted - for MG-6600 DC	TBA	ТВА	d	Includ			TBA	override for emergency operation	
Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.   Fig.									
Unit mounted oil filter	ТВА	ТВА	950	US\$			ТВА	ut & output speed pickups mounted	
Companion Flange   Companion Flange including bolts and nuts   3-49586-C   120.0 (264)   US\$ 1,300   5Z03157-2						l.			Oil Filter / Oil Strainer
Companion Flange including bolts and nuts			d	Includ			Standard		Unit mounted oil filter
Service Manual   Service Manual   Service Manuar   Serv									
Local pressure gauge (loose) Local temperature gauge (loose) TBA US\$ 100 TBA TBA US\$ 30 TBA TBA US\$ 180 TBA TBA US\$ 180 TBA TBA US\$ 280 TBA TBA US\$ 180 TBA TBA US\$ 280 TBA TBA US\$ 180 TBA TBA US\$ 140 TBA TBA US\$ 140 TBA TBA TBA US\$ 140 TBA TBA TBA TBA TBA US\$ 1,140 SZ03158-4  Mounting Brackets Steel fabricated mounting brackets for rigid mounting - for MG-6600 DC TBA TBA TBA US\$ 1,170 TBA Service Manual	TBA	5Z03157-2	,300	US\$	(264)	120.0 (2	3-49586-C		
Local temperature gauge (loose)  TBA US\$ 30 TBA Pressure switch TBA US\$ 180 TBA TBA US\$ 180 TBA TBA US\$ 280 TBA TBA TBA US\$ 280 TBA TBA TBA TBA TBA TBA TBA TBA TBA TBA TBA US\$ 1,170 TBA Service Manual						I	I.		Monitoring
Intergral raw water heat exchanger - raw water flow 60 - 80 liters/minute (16-21 gpm), max. raw water temperature 32°C (90°F)  Trailing Pump  Output shaft driven trailing pump - for MG-6600 DC  Mounting Brackets  Steel fabricated mounting brackets for rigid mounting - for MG-6600 DC  TBA  TBA  TBA  US\$ 1,170  TBA  Service Manual	TBA TBA TBA TBA TBA	TBA TBA TBA	30 180 280	US\$ US\$ US\$		 	TBA TBA TBA		Local temperature gauge (loose) Pressure switch Temperature switch
Intergral raw water heat exchanger - raw water how 60 - 80 liters/minute (16-21 gpm), max. raw water temperature 32°C (90°F)  Trailing Pump Output shaft driven trailing pump - for MG-6600 DC  Mounting Brackets Steel fabricated mounting brackets for rigid mounting - for MG-6600 DC  TBA  TBA  TBA  TBA  US\$ 1,170  TBA  Service Manual									Heat Exchanger
Output shaft driven trailing pump - for MG-6600 DC         5-49095         7.0         (15)         US\$ 1,140         5Z03158-4           Mounting Brackets         Steel fabricated mounting brackets for rigid mounting - for MG-6600 DC         TBA         TBA         US\$ 1,170         TBA           Service Manual         TBA         TBA         TBA         TBA         TBA	ТВА	ТВА	d	Includ				w water temperature 32°C (90°F)	Intergral raw water heat exchanger
- for MG-6600 DC									Trailing Pump
Steel fabricated mounting brackets for rigid mounting - for MG-6600 DC  TBA  TBA  US\$ 1,170  TBA  Service Manual	TBA	5Z03158-4	,140	US\$	(15)	7.0 (1	5-49095		
Steel fabricated mounting brackets for rigid mounting - for MG-6600 DC  TBA  TBA  US\$ 1,170  TBA  Service Manual	1		$\dashv$	1			ı		Mounting Brackets
	ТВА	ТВА	,170	US\$		ТВА	ТВА		Steel fabricated mounting brackets for rigid mounting
									Service Manual
- for MG-6600 DC TBA TBA TBA				TBA			TBA		- for MG-6600 DC

Important Notes:
Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit prices.

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6619 Series MARINE TRANSMISSIONS								
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEIGHT kg (Lbs)	LIST PRIC			
MG-6619 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0  - Flexible Coupling for 18" Flywheel (SAE J620 size 460)  • Silicon Vulastik L-3411-S (Without Emergency Come Home Device)  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-37668 (For SAE#0)	1.06:1 1.33:1 1.53:1 1.73:1 2.03:1 2.44:1 2.72:1 2.93:1	SAE 0	570 (1,256)	US\$	42,500		
MG-6619 SC - Freestanding Vertical Offset, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	1.06:1 1.33:1 1.53:1 1.73:1 2.03:1 2.44:1 2.72:1 2.93:1		ТВА	US\$	37,990		
MG-6619 A  10° Down Angle, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0  - Flexible Coupling for 18" Flywheel (SAE J620 size 460)  • Silicon Vulastik L-3411-S (Without Emergency Come Home Device)  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-37540 (For SAE#0)	1.55:1 1.72:1 2.09:1 2.42:1 2.73:1 2.95:1	SAE 0	580 (1,278)	US\$	43,800		
MG-6619 A - Freestanding  10° Down Angle, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	1.55:1 1.72:1 2.09:1 2.42:1 2.73:1 2.95:1		ТВА	US\$	39,290		
MG-6619 RV  10° Remote V-Drive, Aluminum Housing with Following Standard Equipment:  - 225 mm GWB Input Flange  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-37938	1.55:1 1.72:1 2.09:1 2.42:1 2.73:1 2.95:1		515 (1,134)	US\$	43,800		

#### **Important Notes:**

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump configuration will be required.

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### REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6619 Series ACCESSO	ORIES				
DESCRIPTION	DRAWING				D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings	1	ı	1		
Silicon Vulastic L-3411-S for 18" Flywheel (SAE J620 size 460) w/o Emergency Come Home Device					
- for MG-6619 SC and MG-6619 A	3-49666	TBA	see unit pricing	TBA	TBA
Input Flange size GWB 587.35	0.50440			<b>TD.</b>	TD 4
- for MG-6619 RV	3-50149	TBA	see unit pricing	TBA	TBA
PTO					
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)					
- for MG-6619 SC and MG-6619 A	7-37005	5.0 (18)	US\$ 630	5Z03159-1	TBA
- for MG-6619 RV	7-37007	8.0 (18)	US\$ 1,290	5Z03159-3	TBA
PTO adapter kit from SAE "C" to SAE "A" for live PTO's	TBA	TBA	TBA	5Z03159-5	TBA
PTO adapter kit from SAE "C" to SAE "B" for live PTO's	TBA	TBA	TBA	5Z03159-7	TBA
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)					
- for MG-6619 SC and MG-6619 A	7-37065-B	43.0 (95)	US\$ 4,210	5Z03160-3	TBA
- for MG-6619 RV	7-37066	43.0 (95)	US\$ 4,930	5Z03160-5	TBA
PTO adapter kit from SAE "C" to SAE "A" for clutchable PTO's	TBA	TBA	TBA	5Z03160-8	TBA
PTO adapter kit from SAE "C" to SAE "B" for clutchable PTO's	TBA	TBA	TBA	5Z03160-9	TBA
The daupter little in the Bull bull of date in the bull of the bul	15/	T DA	1 D/K	0200100 0	15/1
Hydraulic Clutchable Shaft Drive PTO - Not Available					
Control Valve					
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation					
- for MG-6619 SC, MG-6619 A and MG-6619 RV	TBA		Included	TBA	TBA
Trolling		I			
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted					
- for MG-6619 SC, MG-6619 A and MG-6619 RV	TBA		US\$ 950	TBA	TBA
Oil Filter / Oil Strainer		l .			
Unit mounted oil filter	Standard		Included		
Companion Flange		l			
Companion Flange including bolts and nuts					
- for MG-6619 SC, MG-6619 A and MG-6619 RV	3-49586-B	65.0 (143)	US\$ 770	5Z03157-1	TBA
Monitoring		I			
Local pressure gauge (loose)	TBA		US\$ 100	TBA	TBA
Local temperature gauge (loose)	TBA		US\$ 30	TBA	TBA
Pressure switch	TBA		US\$ 180	TBA	TBA
Temperature switch	TBA		US\$ 280	TBA	TBA
Oil filter differential pressure switch (loose)	TBA		US\$ 140	TBA	TBA
Heat Exchanger					
Intergral raw water heat exchanger					
- raw water flow 60 - 80 liters/minute (16-21 gpm), max. raw water temperature 32°C (90°F)			Included	TBA	TBA
Trailing Pump		l			
Output shaft driven trailing pump					
- for MG-6619 SC	5-49093	4.0 (9)	US\$ 500	5Z03158-2	TBA
- for MG-6619 A and MG-6619 RV	5-49094	4.0 (9)	US\$ 500	5Z03158-3	TBA
Mounting Brackets		<u>I</u>	l		
Steel fabricated mounting brackets for rigid mounting					
- for MG-6619 SC, MG-6619 A and MG-6619 RV	5-50858-D	TBA	US\$ 1,170	TBA	TBA
Service Manual		l			
- for MG-6619 SC	TBA		TBA		
- for MG-6619 A	TBA		TBA		
101 1110 0010 11	10,1				l
- for MG-6619 RV	TBA		TBA		

Important Notes:
Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit prices.

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### **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6620 A MARINE TRANS	SMISSION	S				
MODEL AND STANDARD EQUIPMENT			SAE HSG	WEIGHT kg (Lbs)	LIST	PRICE
MG-6620 A  10° Down Angle, Aluminum Housing with Following Standard Equipment: - SAE J617 Housing No. 0 - Flexible Coupling for 18" Flywheel (SAE J620 size 460) - Silicon Vulastik L-3411-S (Without Emergency Come Home Device) - GP-Valve (New General Purpose Electric Control Valve) - Manual override for GP-Valve - for emergency operation - Mounted Raw Water Heat Exchanger - Unit Mounted Oil Filter / Oil Strainer	ТВА	2.73:1	SAE 0	580 (1,278)	US\$	45,080
MG-6620 A - Freestanding  10° Down Angle, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	2.73:1		ТВА	US\$	40,570

Important Notes:
Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump configuration will be required.

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### REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6620 A ACCESSOF	RIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIEL	D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings					
Silicon Vulastic L-3411-S for 18" Flywheel (SAE J620 size 460) w/o Emergency Come Home Device - for MG-6620 A	3-49666	TBA	see unit pricing	ТВА	ТВА
PTO		I	1		
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt) - for MG-6620 A PTO adapter kit from SAE "C" to SAE "A" for live PTO's	7-37005 TBA	5.0 (18) TBA	US\$ 630 TBA	5Z03159-1 5Z03159-5	TBA TBA
PTO adapter kit from SAE "C" to SAE "B" for live PTO's Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)	TBA	TBA	TBA	5Z03159-7	TBA
- for MG-6620 A PTO adapter kit from SAE "C" to SAE "A" for clutchable PTO's	7-37065-B TBA	43.0 (95) TBA	US\$ 4,210 TBA	5Z03160-3 5Z03160-8	TBA TBA
PTO adapter kit from SAE "C" to SAE "B" for clutchable PTO's	TBA	TBA	TBA	5Z03160-9	TBA
Hydraulic Clutchable Shaft Drive PTO - Not Available					
Control Valve		T			
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation - for MG-6620 A	ТВА		Included	ТВА	ТВА
Trolling					
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted - for MG-6620 A	ТВА		US\$ 950	ТВА	ТВА
Oil Filter / Oil Strainer		I	<u> </u>		
Unit mounted oil filter	Standard		Included		
Companion Flange					
Companion Flange including bolts and nuts - for MG-6620 A	3-49586-B	65.0 (143)	US\$ 770	5Z03157-1	ТВА
Monitoring		l	1		
Local pressure gauge (loose) Local temperature gauge (loose)	TBA TBA		US\$ 100 US\$ 30	TBA TBA	TBA TBA
Pressure switch Temperature switch	TBA TBA		US\$ 180 US\$ 280	TBA TBA	TBA TBA
Oil filter differential pressure switch (loose)	TBA		US\$ 140	TBA	TBA
Heat Exchanger		<u>.                                    </u>	!		
Intergral raw water heat exchanger - raw water flow 60 - 80 liters/minute (16-21 gpm), max. raw water temperature 32°C (90°F)			Included	ТВА	ТВА
Trailing Pump					
Output shaft driven trailing pump - for MG-6620 A	5-49094	4.0 (9)	US\$ 500	5Z03158-3	ТВА
Mounting Brackets			1		
Steel fabricated mounting brackets for rigid mounting - for MG-6620 A	5-50858-D	TBA	US\$ 1,170	ТВА	ТВА
Service Manual			1		
- for MG-6619 A	TBA		TBA		
	1	l .	1		1

Important Notes:
Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit prices.



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The MGX series transmissions are not released for production at this time. Please contact Twin Disc, Inc. for release date

### REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MGX-6620 Series MARINE TR	ANSMISS	ONS			
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEIGHT kg (Lbs)	LIST PRICE
MGX-6620 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0  - Flexible Coupling for 18" Flywheel (SAE J620 size 460)  • Silicon Vulastik L-3411-S (Without Emergency Come Home Device)  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift™ Clutch Technology  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	TBA (For SAE#0)	1.06:1 1.33:1 1.53:1 1.73:1 2.03:1 2.44:1 2.72:1	SAE 0	588 (1,295)	US\$ 45,100
MGX-6620 SC - Freestanding  Vertical Offset, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift M Clutch Technology  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	1.06:1 1.33:1 1.53:1 1.73:1 2.03:1 2.44:1 2.72:1		ТВА	US\$ 40,590
MGX-6620 A  10° Down Angle, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0  - Flexible Coupling for 18" Flywheel (SAE J620 size 460)  • Silicon Vulastik L-3411-S (Without Emergency Come Home Device)  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift Clutch Technology  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	TBA (For SAE#0)	1.55:1 1.72:1 2.09:1 2.42:1 2.73:1	SAE 0	598 (1,317)	US\$ 47,190
MGX-6620 A - Freestanding  10° Down Angle, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift ™ Clutch Technology  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	1.55:1 1.72:1 2.09:1 2.42:1 2.73:1		TBA	US\$ 42,680
MGX-6620 RV  10° Remote V-Drive, Aluminum Housing with Following Standard Equipment:  - 225 mm GWB Input Flange  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Quickshift ™ Clutch Technology  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	ТВА	1.55:1 1.72:1 2.09:1 2.42:1 2.73:1		554 (1,220)	US\$ 44,640

Important Notes:
Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump configuration will be required.

The MGX series transmissions are not released for production at this time. Please contact Twin Disc, Inc. for release date

**OUICK SHIFT** 

The MGX series transmissions are not released for production at this time. Please contact Twin Disc, Inc. for release date

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#### **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MGX-6620 Series ACCESS	ORIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE	FIEL	
- · · · · · ·	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings Silicon Vulastic L-3411-S for 18" Flywheel (SAE J620 size 460) w/o Emergency Come Home Device		ı	1		
- for MGX-6620 SC and MGX-6620 A	3-49666	TBA	see unit pricing	TBA	TBA
Input Flange size GWB 587.35	3-43000	IDA	see unit pricing	IDA	IDA
- for MGX-6620 RV	3-50149	TBA	see unit pricing	TBA	TBA
PTO					
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)					
- for MGX-6620 SC and MGX-6620 A	7-37005	7.5 (17)	US\$ 630	5Z03159-1	TBA
- for MGX-6620 RV	7-37007	8.0 (18)	US\$ 1,290	5Z03159-3	TBA
PTO adapter kit from SAE "C" to SAE "A" for live PTO's PTO adapter kit from SAE "C" to SAE "B" for live PTO's	TBA TBA	TBA TBA	TBA TBA	5Z03159-5 5Z03159-7	TBA TBA
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)	IDA	IDA	IDA	3203139-7	IDA
- for MGX-6620 SC and MGX-6620 A	7-37065-B	43.0 (95)	US\$ 4,210	5Z03160-3	TBA
- for MGX-6620 RV	7-37066	43.0 (95)	US\$ 4,930	5Z03160-5	TBA
PTO adapter kit from SAE "C" to SAE "A" for clutchable PTO's	TBA	TBA	TBA	5Z03160-8	TBA
PTO adapter kit from SAE "C" to SAE "B" for clutchable PTO's	TBA	TBA	TBA	5Z03160-9	TBA
Secondary Live pump mount PTO - mounted on gearbox oil pump, SAE-J-744 size 101-4, 22-2					
max. 197 Nm (ex. SAE B, 2-bolt)					
- for MGX-6620 SC, MGX-6620 A and MGX-6620 RV	TBA	TBA	US\$ 490	TBA	TBA
Secondary Live pump mount PTO - mounted on gearbox oil pump, SAE-J-744 size 82-2, 16-4					
max. 35 Nm (ex. SAE A, 2-bolt) - for MGX-6620 SC, MGX-6620 A and MGX-6620 RV	TBA	TBA	US\$ 490	TBA	TBA
Hydraulic Clutchable Shaft Drive PTO - Not Available					
Control Valve		ı			
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation					
- for MGX-6620 SC, MGX-6620 A and MGX-6620 RV	TBA		Included	TBA	TBA
Trolling	· ·	I.	ı		
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted - for MGX-6620 SC, MGX-6620 A and MGX-6620 RV	ТВА		US\$ 950	ТВА	ТВА
Oil Filter / Oil Strainer					
Unit mounted oil filter	Standard		Included		
Companion Flange	1		1		
Companion Flange including bolts and nuts	0 40500 B	05.0 (4.40)	1100 770	F7004F7 4	TD.4
- for MGX-6620 SC, MGX-6620 A and MGX-6620 RV	3-49586-B	65.0 (143)	US\$ 770	5Z03157-1	TBA
Monitoring Local pressure gauge (loose)	TBA		US\$ 100	TBA	TBA
Local temperature gauge (loose)	TBA		US\$ 30	TBA	TBA
Pressure switch	TBA		US\$ 180	TBA	TBA
Temperature switch	TBA		US\$ 280	TBA	TBA
Oil filter differential pressure switch (loose)	TBA		US\$ 140	TBA	TBA
Heat Exchanger		<u> </u>			
Intergral raw water heat exchanger			la el 1	TC *	To.
- raw water flow 60 - 80 liters/minute (16-21 gpm), max. raw water temperature 32°C (90°F)			Included	TBA	TBA
Trailing Pump		Ī			
Output shaft driven trailing pump	F 40000	4.0 (0)	LICO FOO	E702452 2	T5.4
- for MGX-6620 SC - for MGX-6620 A and MGX-6620 RV	5-49093 5-49094	4.0 (9) 4.0 (9)	US\$ 500 US\$ 500	5Z03158-2 5Z03158-3	TBA TBA
	5-49094	4.0 (9)	JS\$ 500	JZ03130-3	IDA
Mounting Brackets		Г	1		
Steel fabricated mounting brackets for rigid mounting - for MG-6619 SC, MG-6619 A and MG-6619 RV	5-50858-D	TBA	US\$ 1,170	ТВА	TBA
		<u> </u>	l		
Service Manual					
- for MGX-6620 SC	TBA		TBA		
	TBA TBA TBA		TBA TBA TBA		

Important Notes:
Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit prices.

The MGX series transmissions are not released for production at this time. Please contact Twin Disc, Inc. for release date

Racine, Wisconsin

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6650 and MG-6690 Series MAF	RINE TRANS	SMISSI	ONS			
MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE		IGHT	LIST PRICE
	NUMBER		HSG	kg	(Lbs)	
MG-6650 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0 <u>OR</u> No. 00  - Flexible Coupling for 18" <u>OR</u> 21" Flywheel (SAE J620 size 460 <u>OR</u> 530)  • Non Silicone Centaflex CF-R (Emergency Come Home Device Standard)  • Silicon Vulkan VL3411S (Emergency Come Home Device Standard)  - Electric Selector Valve  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer  - Pressure Gauge	1018375E	1.51:1 1.88:1 2.03:1 2.47:1 2.93:1 3.21:1	SAE 0	980	(2,159)	US\$ 44,285.48
MG-6650 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0 <u>OR</u> No. 00  - Flexible Coupling for 18" <u>OR</u> 21" Flywheel (SAE J620 size 460 <u>OR</u> 530)  • Non Silicone Centaflex CF-R (Emergency Come Home Device Standard)  • Silicon Vulkan VL3411S (Emergency Come Home Device Standard)  - Electric Selector Valve  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer  - Pressure Gauge	1018375E	1.51:1 1.88:1 2.03:1 2.47:1 2.93:1 3.21:1	SAE 00	1,010	(2,225)	US\$ 45,290.69
MG-6690 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0 <u>OR</u> No. 00  - Flexible Coupling for 18" <u>OR</u> 21" Flywheel (SAE J620 size 460 <u>OR</u> 530)  • Non Silicone Centaflex CF-R (Emergency Come Home Device Standard)  • Silicon Vulkan VL3411S (Emergency Come Home Device Standard)  - Electric Selector Valve  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer  - Pressure Gauge	1020350B	1.51:1 1.88:1 2.03:1 2.47:1 2.93:1 3.21:1	SAE 0	980	(2,159)	US\$ 44,900.54
MG-6690 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0 <u>OR</u> No. 00  - Flexible Coupling for 18" <u>OR</u> 21" Flywheel (SAE J620 size 460 <u>OR</u> 530)  • Non Silicone Centaflex CF-R (Emergency Come Home Device Standard)  • Silicon Vulkan VL3411S (Emergency Come Home Device Standard)  - Electric Selector Valve  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer  - Pressure Gauge	1020350B	1.51:1 1.88:1 2.03:1 2.47:1 2.93:1 3.21:1	SAE 00	1,010	(2,225)	US\$ 45,602.81

#### **Important Notes:**

Twin Disc MG6650SC and MG6690SC marine transmission CANNOT be used on engine with left-hand rotation.

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### REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6650 Series ACCESSOI	RIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE		D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings					
Silicon VulKan VL3411S Series for 18" Flywheel (SAE J620 size 460) W/O Emergency Come Home Device		TBA TBA	Included	K1382 *	
Silicon Vulkan VL3411S Series for 18" Flywheel (SAE J620 size 460) With Emergency Come Home Device	1017865	TBA TBA	Included	K1383 *	
Silicon VulKan VL3411S Series for 21" Flywheel (SAE J620 size 530) With Emergency Come Home Device		TBA TBA	Included	K1384 *	
Centaflex CF-R-510 for 18" Flywheel (SAE J620 size 460) Emergency Come Home Device Standard	1019717	TBA TBA	Included	41784	
Centaflex CF-R-510 for 21" Flywheel (SAE J620 size 531) Emergency Come Home Device Standard	1019718	TBA TBA	Included		
1) Hub for Geislinger Coupling	1018483	TBA TBA	See note #1		
РТО			L		
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 598 Nm (SAE "C" 4 bolt)	1017177A	11.0 (24)	US\$ 1,966.36		US\$1,966.36
Live Pump Mount PTO - SAE-J-744 size 127-4, 38-4, max. 1187 Nm (SAE "C-C" 4 bolt)	1017177A	12.0 (26)	US\$ 1,966.36		US\$1,966.36
Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 598 Nm (SAE "C" 4 bolt)	1017820C	57.0 (126)	US\$ 5,664.69		US\$5,664.69
Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 38-4, max. 1187 Nm (SAE "C-C" 4 bolt)	1017820C	57.0 (126)	US\$ 5,718.06		US\$5,718.06
Hydraulic Clutchable Shaft Drive PTO - Not Available	NA				
Control Valve			•		
Electric Control Valve (12V) (20 Bar / 290 psi)	1018084-Y		Included	41028	
Electric Control Valve (24V) (20 Bar / 290 psi)	1018084-P		Included	40817	
GP Control Valve with Profile Module	1020941				
Trolling					
Mechanical trolling valve for electric selector valve (1018084 Series)	1017555	2.7 (6)	US\$ 749.70	40588	US\$ 749.70
Electrical trolling valve for electric selector valve (12V/24V) (1018084 Series)	1017554	2.7 (6)	US\$ 749.70	40537	US\$ 749.70
Oil Filter / Oil Strainer					
Unit mounted oil filter	XB5275		Included	40824	
Unit mounted oil filter without clogging indicator	1020872		Included	42493	
Unit mounted oil filter with clogging indicator	1020872		US\$ 153.00	42492	
Companion Flange					
Companion Flange including bolts and nuts (Factory Installed)	1018682	140.0 (308)	US\$ 2,772.04		
Monitoring					
Pressure gauge (loose)	B1703D		Included		
Temperature gauge and switch (loose)	B3424		US\$ 119.00		
Heat Exchanger			1		
2) - Raw Water; Water Flow Rate: 35 to 45 gpm, 85° F max. water temperature	1017051	TBA TBA	Included	41157	
- Fresh Water; Water Flow Rate: 35 to 45 gpm, 140° F max. water temperature	1017121	TBA TBA	US\$ 805.27	41156	
Trailing Pump			-		
-Mechanical trailing pump	1020514	6.0 (13)	US\$ 1,300.50	41906	
-Remote mounted electric trailing pump	1016473	27.0 (59)	US\$ 3,054.09		
Mounting Brackets			1		
- Steel fabricated mounting brackets for rigid mounting	1016428-AU	TBA TBA	US\$ 1,320.00		
Adapter Kit			<u> </u>		<u> </u>
-Metric to NPTF Adapter Kit - (For unit mounted Heat Exchanger)	K1195	2.0 (4)	US\$ 240.30	K1195 *	US\$ 240.30
-Metric to NPTF Adapter Kit - (For remote mounted Heat Exchanger)	K1254	2.0 (4)	US\$ 240.30	K1254 *	US\$ 240.30
Service Manual			1		
- for MG-6650-SC	1019103		US\$ 60.00		
- for MG-6690-SC	1019677		US\$ 60.00		
			1		

Notes: 1) When using the Geislinger hub option, consult Twin Disc for pricing. 2) List deduct for non-supply of standard heat exchanger is \$ 900.00

PTO Adapters: Live 127-4, 32-4 to 101-2, 22-4 (XB2403F) Live 127-4, 32-4 to 82-2, 16-4 (XB2403G)

PTO Adapters: Hydraulic 127-4, 32-4 to 101-2, 22-4 (XB2403D)

Hydraulic 127-4, 32-4 to 82-2, 16-4 (XB2403E)

Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

Racine, Wisconsin

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MODEL AND STANDARD EQUIPMENT	DRAWING	RATIO	SAE	WE	IGHT	LIST PRICE
	NUMBER		HSG	kg	(Lbs)	
MG-6848 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0  - Flexible Coupling for 18" Flywheel (SAE J620 size 460)  • Non Silicone Centaflex CF-R (Emergency Come Home Device Standard)  - Electric Selector Valve  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer  - Pressure Gauge	1019086B	1.51:1 1.88:1 2.03:1 2.47:1 2.58:1 2.93:1 3.21:1	SAE 0	970	(2,137)	US\$ 63,984.60
MG-6848 SC  Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 00  - Flexible Coupling for 21" Flywheel (SAE J620 size 530)  • Non Silicone Centaflex CF-R (Emergency Come Home Device Standard)  - Electric Selector Valve  - Mounted Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer  - Pressure Gauge	1019086B	1.51:1 1.88:1 2.03:1 2.47:1 2.58:1 2.93:1 3.21:1	SAE 00	1,010	(2,225)	US\$ 64,712.88

### Important Notes:

Twin Disc MG6848SC marine transmission CANNOT be used on engine with left-hand rotation.

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### REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6848 Series ACCESSO	RIES					
DESCRIPTION	DRAWING	WEIGHT		LIST PRICE	FIEL	D KIT
	NUMBER	kg (L	.bs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings						
Centaflex CF-R-510 for 18" Flywheel (SAE J620 size 460) Emergency Come Home Device Standard	1019074	TBA T	BA	Included		
Centaflex CF-R-510 for 21" Flywheel (SAE J620 size 531) Emergency Come Home Device Standard	1019123	TBA T	BA	Included		
PTO	I					
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 598 Nm (SAE "C" 4 bolt)	1017177A	11.0 (2	24)	US\$ 1,966.36	40898	US\$1,966.36
Live Pump Mount PTO - SAE-J-744 size 127-4, 38-4, max. 1187 Nm (SAE "C-C" 4 bolt)	1017177A	12.0 (2	26)	US\$ 1,966.36	41030	US\$1,966.36
Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 598 Nm (SAE "C" 4 bolt)	1017820C	57.0 (1	26)	US\$ 5,664.69	41168	US\$5,664.69
Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 38-4, max. 1187 Nm (SAE "C-C" 4 bolt)	1017820C	57.0 (1	26)	US\$ 5,718.06	41167	US\$5,718.06
Clutchable Shaft Drive PTO - Not Available	NA					
Control Valve						
Electric Control Valve (12V) (24 Bar / 350 psi)	1018084-AD			Included	41114	TBA
Electric Control Valve (24V) (24 Bar / 350 psi)	1018084-AE			Included	41115	TBA
Trolling						
Mechanical trolling valve for electric selector valve (1018084 Series)	1017555	2.7 (	6)	US\$ 749.70	40588	US\$ 749.70
Electrical trolling valve for electric selector valve (12V/24V) (1018084 Series)	1017554	2.7 (	6)	US\$ 749.70	40537	US\$ 749.70
Oil Filter / Oil Strainer						
Unit mounted oil filter	XB5275			Included	40824	
Unit mounted oil filter without clogging indicator	1020872			Included	42493	
Unit mounted oil filter with clogging indicator	1020872			US\$ 153.00	42492	
Companion Flange						
Companion Flange including bolts and nuts without shaft brake (Factory Installed)	1018682	140.0 (3	(80	US\$ 2,772.04		
Companion Flange including bolts and nuts with shaft brake (Factory Installed)	1019642A					
Monitoring						
Pressure gauge (loose)	B1703D			Included		
Temperature gauge and switch (loose)	B3424			US\$ 119.00		
Heat Exchanger						
1) - Raw Water; Water Flow Rate: 35 to 45 gpm, 85° F max. water temperature	1017051		BA	Included	41157	
- Fresh Water; Water Flow Rate: 35 to 45 gpm, 140° F max. water temperature	1017121	TBA T	BA	US\$ 805.27	41156	
Trailing Pump						
-Mechanical trailing pump	1020514		13)	US\$ 1,300.50	41906	
-Remote mounted electric trailing pump	1016473	27.0 (5	59)	US\$ 3,054.09		
Mounting Brackets						
- Steel fabricated mounting brackets for rigid mounting	TBA	TBA T	BA	TBA	TBA	TBA
Adapter Kit						
-Metric to NPTF Adapter Kit - (For unit mounted Heat Exchanger)	K1195		4)	US\$ 240.30	k1195 *	US\$ 240.30
-Metric to NPTF Adapter Kit - (For remote mounted Heat Exchanger)	K1254	2.0 (	4)	US\$ 240.30	K1254 *	US\$ 240.30
Service Manual						
- for MG-6848-SC	1019677			US\$ 60.00		
L						

Notes: 1) List deduct for non-supply of standard heat exchanger is \$ 900.00

PTO Adapters: Live 127-4, 32-4 to 101-2, 22-4 (XB2403F) Live 127-4, 32-4 to 82-2, 16-4 (XB2403G) PTO Adapters: Hydraulic 127-4, 32-4 to 101-2, 22-4 (XB2403D) Hydraulic 127-4, 32-4 to 82-2, 16-4 (XB2403E)

#### Important Notes:

Please refer to Genuine Twin Disc Parts Price Book (last printed Oct. 1, 2001) or contact Twin Disc for field installation kit (KS-kit and K-kit) prices.

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### **REVERSE AND REDUCTION MARINE TRANSMISSIONS** WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6984 Series MARINE TRA						
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEIGHT kg (Lbs)	LIST P	PRICE
WG-6984 SC Vertical Offset, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0 <u>OR</u> No. 00  - Flexible Coupling (Without Emergency Come Home Device)  • Silicon Vulastik L-34D1-S for 18" Flywheel (SAE J620 size 460)  • Silicon Vulastik L-34D1-S for 21" Flywheel (SAE J620 size 530)	7-37481 (For SAE#0)	1.18:1 1.54:1 2.06:1 2.29:1 2.52:1	SAE 0	1,195 (2,632)	US\$	82,000
<ul> <li>- GP-Valve (New General Purpose Electric Control Valve)</li> <li>- Manual override for GP-Valve - for emergency operation</li> <li>- Mounted Intergral Raw Water Heat Exchanger</li> <li>- Unit Mounted Oil Filter / Oil Strainer</li> </ul>	7-38452 (For SAE#00)	2.92:1 3.25:1 3.43:1	SAE 00	1,230 (2,709)	US\$	82,00
MG-6984 SC - Freestanding  Vertical Offset, Aluminum Housing, Freestanding with Following Standard Equipment:  Input Flange  Without Flexible Coupling or Housing  GP-Valve (New General Purpose Electric Control Valve)  Manual override for GP-Valve - for emergency operation  Mounted Intergral Raw Water Heat Exchanger  Unit Mounted Oil Filter / Oil Strainer	7-37008	1.18:1 1.54:1 2.06:1 2.29:1 2.52:1 2.92:1 3.25:1 3.43:1		TBA	US\$	72,580
MG-6984 A  10° Down Angle, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0 <u>OR</u> No. 00  - Flexible Coupling (Without Emergency Come Home Device)  • Silicon Vulastik L-34D1-S for 18" Flywheel (SAE J620 size 460)  • Silicon Vulastik L-34D1-S for 21" Flywheel (SAE J620 size 530)  - GP-Valve (New <u>G</u> eneral <u>P</u> urpose Electric Control <u>Valve</u> )  - Manual override for GP-Valve - for emergency operation  - Mounted Intergral Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	P-71093 (For SAE#0) 7-38495 (For SAE#00)	1.48:1 1.97:1 2.50:1 2.79:1 2.93:1	SAE 0	1,230 (2,709) 1,250 (2,753)		88,000 88,000
MG-6984 A - Freestanding  10° Down Angle, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Intergral Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-38510	1.48:1 1.97:1 2.50:1 2.79:1 2.93:1		ТВА	US\$	78,580
MG-6984 RV  10° Remote V-Drive, Aluminum Housing with Following Standard Equipment:  - 320 mm GWB Input Flange  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Intergral Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-37042	1.48:1 1.97:1 2.50:1 2.79:1 2.93:1		910 (2,004)	US\$	79,620

Important Notes:
Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump configuration will be required.

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### REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-6984 Series ACCESS	ORIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE		D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings		ı	1		
Silicon Vulastic L-34D1-S for 18" Flywheel (SAE J620 size 460) w/o Emergency Come Home Device - for MG-6984 SC and MG-6984 A	3-49840-A	TBA	see unit pricing	TBA	TBA
Silicon Vulastic L-34D1-S for 21" Flywheel (SAE J620 size 530) w/o Emergency Come Home Device - for MG-6984 SC and MG-6984 A	TBA	TBA	see unit pricing	TBA	TBA
Input Flange (320 mm diameter) - for MG-6984 RV	3-50149	TBA	see unit pricing	TBA	ТВА
PTO Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)		ı	1		
- for MG-6984 SC and MG-6984 A	7-37852-A	5.0 (18)	US\$ 2.670	5Z04159-2	TBA
- for MG-6984 RV	TBA	8.0 (18)	US\$ 2,670	TBA	TBA
PTO adapter kit from SAE "C" to SAE "A" for live PTO's	TBA	` '	TBA	5Z03159-5	TBA
		TBA			
PTO adapter kit from SAE "C" to SAE "B" for live PTO's	TBA	TBA	TBA	5Z03159-7	TBA
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)					
- for MG-6984 SC and MG-6984 A	TBA	43.0 (95)	US\$ 9,620	5Z03160-3	TBA
- for MG-6984 RV	TBA	43.0 (95)	US\$ 9,620	5Z03160-5	TBA
PTO adapter kit from SAE "C" to SAE "A" for clutchable PTO's	TBA	TBA	TBA	5Z03160-8	TBA
PTO adapter kit from SAE "C" to SAE "B" for clutchable PTO's	TBA	TBA	TBA	5Z03160-9	TBA
Hydraulic Clutchable Shaft Drive PTO - Not Available					
Control Valve					
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation					
- for MG-6984 SC, MG-6984 A and MG-6984 RV	TBA		Included	TBA	TBA
Trolling	<b>i</b>	I.	ı		
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted					
- for MG-6984 SC, MG-6984 A and MG-6984 RV	TBA		US\$ 920	TBA	TBA
Oil Filter / Oil Strainer					
Unit mounted oil filter	Standard		Included		
Companion Flange	1	ı	ı		
Companion Flange including bolts and nuts		4000 (004)		=700==0	
- for MG-6984 SC, MG-6984 A and MG-6984 RV	3-49586-E	120.0 (264)	US\$ 950	5Z03556	TBA
Monitoring					
Local pressure gauge (loose)	TBA		US\$ 570	TBA	TBA
Local temperature gauge (loose)	TBA		US\$ 50	TBA	TBA
Pressure switch	TBA		US\$ 170	TBA	TBA
Temperature switch	TBA		US\$ 270	TBA	TBA
Oil filter differential pressure switch (loose)	TBA		US\$ 130	TBA	TBA
Heat Exchanger	ļ		<u> </u>		
Intergral raw water heat exchanger					1
- raw water flow 200 liters/minute (52 gpm), max. raw water temperature 32°C (90°F)			Included	TBA	TBA
Trailing Pump		l	l		<del> </del>
Output shaft driven trailing pump			1		
- for MG-6984 SC	TBA	TBA	US\$ 590	TBA	TBA
- for MG-6984 A and MG-6984 RV	TBA	TBA	US\$ 590	TBA	TBA
Mounting Brackets					
Steel fabricated mounting brackets for rigid mounting		1	1		<del>                                     </del>
- for MG-6984 SC, MG-6984 A and MG-6984 RV	TBA	TBA	US\$ 1,460	TBA	TBA
		I	l		
Service Manual					
Service Manual - for MG-6984 SC	TBA		TBA		
	TBA TBA				
- for MG-6984 SC			TBA TBA TBA		

Important Notes:
Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit

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# REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-61242 Series MARINE TR						
MODEL AND STANDARD EQUIPMENT	DRAWING NUMBER	RATIO	SAE HSG	WEIGHT kg (Lbs)	LIST	PRICE
MG-61242 SC Vertical Offset, Aluminum Housing with Following Standard Equipment: - SAE J617 Housing No. 0 <u>OR</u> No. 00		1.18:1 1.54:1				
<ul> <li>Flexible Coupling (Without Emergency Come Home Device)</li> <li>Silicon Vulastik L-34D2-S for 18" Flywheel (SAE J620 size 460)</li> <li>Silicon Vulastik L-40D2-S for 21" Flywheel (SAE J620 size 530)</li> </ul>	TBA (For SAE#0)	2.06:1 2.29:1 2.52:1	SAE 0	TBA	US\$	109,27
<ul> <li>- GP-Valve (New General Purpose Electric Control Valve)</li> <li>- Manual override for GP-Valve - for emergency operation</li> <li>- Mounted Intergral Raw Water Heat Exchanger</li> <li>- Unit Mounted Oil Filter / Oil Strainer</li> </ul>	TBA (For SAE#00)	2.92:1 3.25:1 3.43:1	SAE 00	ТВА	US\$	116,94
MG-61242 SC - Freestanding Vertical Offset, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Intergral Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-37017	1.16:1 1.52:1 2.08:1 2.47:1 2.96:1	None	1,050 (2,313)	US\$	90,270
MG-61242 A  10° Down Angle, Aluminum Housing with Following Standard Equipment:  - SAE J617 Housing No. 0 <u>OR</u> No. 00  - Flexible Coupling (Without Emergency Come Home Device)  • Silicon Vulastik L-34D2-S for 18" Flywheel (SAE J620 size 460)  • Silicon Vulastik L-40D2-S for 21" Flywheel (SAE J620 size 530)  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Intergral Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	TBA (For SAE#0) TBA (For SAE#00)	1.42:1 2.07:1 2.44:1 2.93:1	SAE 0	TBA TBA	US\$	116,150 123,820
MG-61242 A - Freestanding  0° Down Angle, Aluminum Housing, Freestanding with Following Standard Equipment:  - Input Flange  - Without Flexible Coupling or Housing  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Intergral Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-37046	1.42:1 2.07:1 2.44:1 2.93:1	None	1,110 (2,445)	US\$	97,18
WG-61242 RV  10° Remote V-Drive, Aluminum Housing with Following Standard Equipment:  - 320 mm GWB Input Flange  - GP-Valve (New General Purpose Electric Control Valve)  - Manual override for GP-Valve - for emergency operation  - Mounted Intergral Raw Water Heat Exchanger  - Unit Mounted Oil Filter / Oil Strainer	7-37049	1.42:1 2.07:1 2.44:1 2.93:1	None	1,130 (2,489)	US\$	102,10

#### **Important Notes:**

Please contact Twin Disc when marine transmission is used on engine with left-hand rotation. A different oil pump configuration will be required.

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### REVERSE AND REDUCTION MARINE TRANSMISSIONS WITH HYDRAULICALLY OPERATED CLUTCHES

MG-61242 Series ACCESS	ORIES				
DESCRIPTION	DRAWING	WEIGHT	LIST PRICE		D KIT
	NUMBER	kg (Lbs)	ADDER	NUMBER	LIST PRICE
Torsional Couplings		,			
Silicon Vulastic L-34D2-S for 18" Flywheel (SAE J620 size 460) w/o Emergency Come Home Device - for MG-61242 SC and MG-61242 A	ТВА	TBA	see unit pricing	TBA	ТВА
Silicon Vulastic L-40D2-S for 21" Flywheel (SAE J620 size 530) w/o Emergency Come Home Device - for MG-61242 SC and MG-61242 A	ТВА	TBA	see unit pricing	TBA	TBA
Input Flange (320 mm diameter)					
- for MG-61242 RV	TBA	TBA	see unit pricing	TBA	TBA
PTO		1	1		
Live Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)	TBA	TBA	US\$ 2.670	ТВА	TBA
- for MG-61242 SC and MG-61242 A					
- for MG-61242 RV	TBA	TBA	US\$ 2,670	TBA	TBA
PTO adapter kit from SAE "C" to SAE "A" for live PTO's	TBA	TBA	TBA	5Z03159-5	TBA
PTO adapter kit from SAE "C" to SAE "B" for live PTO's	TBA	TBA	TBA	5Z03159-7	TBA
Hydraulic Clutchable Pump Mount PTO - SAE-J-744 size 127-4, 32-4, max. 592 Nm (SAE "C" 4 bolt)					
- for MG-61242 SC and MG-61242 A	TBA	TBA	US\$ 9,620	TBA	TBA
- for MG-61242 RV	TBA	TBA	US\$ 9,620	TBA	TBA
PTO adapter kit from SAE "C" to SAE "A" for clutchable PTO's	TBA	TBA	TBA	5Z03160-8	TBA
PTO adapter kit from SAE "C" to SAE "B" for clutchable PTO's	TBA	TBA	TBA	5Z03160-9	TBA
Hydraulic Clutchable Shaft Drive PTO - Not Available					
Control Valve					
GP-Valve (General Purpose electric control Valve) with manual override for emergency operation					
- for MG-61242 SC, MG-61242 A and MG-61242 RV	TBA		Included	TBA	TBA
Trolling			I		
Electric trolling - e-Troll controller for electric GP-Valve, incl. input & output speed pickups mounted					
- for MG-61242 SC, MG-61242 A and MG-61242 RV	TBA		US\$ 920	TBA	TBA
Oil Filter / Oil Strainer		l			
Unit mounted oil filter	Standard		Included		
Companion Flange					
Companion Flange including bolts and nuts					
- for MG-61242 SC, MG-61242 A and MG-61242 RV	3-49586-K	122.0 (269)	US\$ 1,640	5Z03556	TBA
Monitoring	I	I	I		
Local pressure gauge (loose)	TBA		US\$ 570	TBA	TBA
Local temperature gauge (loose)	TBA		US\$ 50	TBA	TBA
Pressure switch	TBA		US\$ 170	TBA	TBA
Temperature switch	TBA		US\$ 270	TBA	TBA
Oil filter differential pressure switch (loose)	TBA		US\$ 130	TBA	TBA
on mor amoronical procedure officer (10000)					1271
Heat Exchanger	1	ı	1		
Intergral raw water heat exchanger - raw water flow 200 liters/minute (52 gpm), max. raw water temperature 32°C (90°F)			Included	TBA	TBA
Trailing Pump					ļ
	1	1	ı		<del>                                     </del>
Output shaft driven trailing pump		TC *	1100 =55	TC *	
- for MG-61242 SC	TBA	TBA	US\$ 590	TBA	TBA
- for MG-61242 A and MG-61242 RV	TBA	TBA	US\$ 590	TBA	TBA
Mounting Brackets					
Steel fabricated mounting brackets for rigid mounting					
- for MG-61242 SC, MG-61242 A and MG-61242 RV	TBA	TBA	US\$ 1,580	TBA	TBA
- 101 MO-01242 GO, MO-01242 A dild MO-01242 IV		1	l		<del></del>
Service Manual					
	TBA		TBA		
Service Manual	TBA TBA		TBA TBA		
Service Manual - for MG-61242 SC					

Important Notes:
Please refer to Genuine Twin Disc Parts Price Book or contact Twin Disc for field installation kit

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#### **SAE Housing Adapter**

Where it is necessary to supply a larger SAE housing than that provided with the TDI Marine Transmission. It will be necessary to use an adapter ring. Care must be taken to ensure that when the coupling is attached to the engine flywheel, sufficient clearance exist to clear all fixed surfaces within the transmission housing.

The following size housing adapters are available:

No. 6880 SAE #1 to SAE #2 No. 8407/8407B SAE #0 to SAE #1 No. 6964 SAE #00 to SAE #0

#### **Heat Exchangers**

Heat exchangers listed have been selected for use with Twin Disc Marine Transmissions, all of which except MG-340 require cooling of the transmission's lube oil within the temperature limits specified by Twin Disc, Inc. Customers NOT using Twin Disc heat exchangers can find on the related transmission drawing or consult TDI Marine Applications Group heat exchanger data that is REQUIRED in the selection of appropriate heat exchanger, including recommended proof test pressures for the heat exchanger, and data on connecting hoses. Mounting of heat exchangers at inlet side of the water pump is NOT recommended. For heat exchangers meeting Marine Survey Societies requirements, please consult TDI Marine Applications Group.

#### **Input Torsional Couplings**

Optional torsional coupling assemblies or hubs to adapt customer- supplied torsional couplings to certain marine transmissions, even though NOT listed in this Price Guide, may be available from Twin Disc, Inc. Questions concerning the availability of optional couplings, torsional type or RBD type should be directed, IN WRITING, to:

TWIN DISC INCORPORATED

Marine Transmission Application Group
1328 Racine Street

Racine, WI 53403 FAX: (262) 638-4482

NOTE:FOR SINGLE SCREW APPLICATIONS USING CERTAIN INPUT TORSIONAL COUPLING, THE TORSIONAL COUPLING SHOULD BE EQUIPPED WITH A TORSIONAL STOP. FOR SOME MODELS "HEAVY DUTY" TORSIONAL STOP COUPLINGS ARE OFFERED. ON ALL NEW APPLICATIONS A TVA OF THE PROPULSION SYSTEM IS RECOMMENDED TO PROVE OUT THE COUPLING SELECTION

#### **Optional Mounting Brackets**

Customers having any questions concerning use of the optional mounting brackets or needing engine/transmission mounting support recommendations can contact TDI marine application group at the above address/fax number.

#### **Operators/Service Manuals**

#### **OPERATOR'S MANUAL IS P/N 1016313**

See Transmission Accessory section for other operators manuals or service manual listing 4 View CAD files – refer to <a href="https://www.twindisc.com">www.twindisc.com</a>

#### **Pump Adapters**

#### XB2403, SAE 'C' 4 bolt to SAE 'B' 2 bolt

for use with SAE 'C' PTO's on Models MG5091, 5114, 5145, 518-1, MG520-1 HP, MG5202SC, MG5203 and MG5204. Following Pump Adapters for use on transmission models fitted with SAE 'C' 4 bolt PTO's: MG516, 5170DC, 5202DC, 5205DC, 5301DC, 6650SC & MG6848SC

PTO Size 32-4, Live XB2403F ('C' to 'B')

XB2403G ('C' to 'A')

PTO Size 32-4 with Clutch XB2403D ('C' to 'B')

XB2403E ('C' to 'A')

Please consult TDI Marine Application Group for Pump Adapters fitting MG-6000 Series Models

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### DRAWING REFERENCE LIST - PRINTS AVAILABLE UPON REQUEST

Transmission	Transmission	Mass Elastic	Hydraulic	H. E.
Model Number	Assy. Dwg. No.	System	Diagram	Requirements
MG-340	IT40TD0002	N/A	N/A	N/A
MG-360	IT60TD0002	N/A	N/A	N/A
MG-5005 A	IT345ATD0001	TBA	ТВА	ТВА
MG-5010 DC	PX9400	P5244K	PX9400-2	B3649C
MG-5011 A	PX9999	P5244P	PX9999-2	B3649C
MG-5011 SC	PX10270	P5244Q	PX10270-2	B3649C
MG-5011 IV	PX10290	P5244S	PX10290-2	B3649C
MG-5012 SC	IT93TD0001	TBA	TBA	TBA
MG-5015 A	IT545ATD0002	TBA	TBA	TBA
MG-502	X9994A	A6905S	X9994A-2	X9994A-2
MG-502-1	X9994C	A6905S	X9994C-2	X9994C-2
MG-5020 SC	IT170TD0001	ТВА	ТВА	ТВА
MG-5050	PX8575 Series	B3504T	P8731	B3649E
MG-5050 A	PX8580 Series	B3504T	P8731	B3649E
MG-5050 V	PX8760	B3504T	P8731	B3649E
MG-5055 A	IT880ATD0002	TBA	TBA	TBA
MG-506-1	XA7022A & XA7048A	A6905G	A6902N	XA7022A-2 & XA7048A-2
MG-506 DC	X9844	A6905J	A6902E	X9844-2
MG-506 A	XA7472 & XA7493	A6905G	A6902N	XA7472-2 & XA7493-2
MG-5061	PX11650 Series	B3504S	P8731	B3649F
MG-5061 A	PX11640 Series	B3504S	P8731	B3649F
MG-5061 V	PX8735	B3504S	P8731	B3649F
MG-5062 V	PX11660 Series	B3504AB	A7119N	B3649F
MG-5065 SC	PX11480	P5244AC	P5245	B3649G
MG-5065 A	PX11165	P5244AC	P5245	B3649G
MG-507-1 MG-507-1 MG-507-1 (Step-up) MG-507A-1 MG-507A-1 MG-507A-2	PX7470 PX7470G Series PX8888 PX8170 PX8170F Series PX8130 PX8131	P5244 P5244-F P5244G P5244 P5244-F P5244 P5244	P5245 P5245 P5245 P5245 P5245 P5245 P5245	PX7470-2 PX7470G-2 PX8888-2 PX8170-2 PX8170F-2 PX8130-2 PX8131-2
MG-5075 SC (Step-up)	PX11876	P5244T-2	P10697A	PX11876-2
MG-5075 SC	PX10680 Series	P5244T	P10697	PX10680-2
MG-5075 A	PX10700 Series	P5244T	P10697	PX10700-2
MG-5075 IV	PX11530 Series	P5244Y	P11603	PX11530-2
MG-5081 SC	PX8980	P5244E	P5245	B3649G
MG-5081 A	PX9160	P5244E	P5245	B3649G
MG-5081 SC (Step-up)	PX9800	P5244E	P5245	B3649G
MG-5082 SC	PX-11250	P-5244-X	P10697	PX-11250-2
MG-5082 A	PX-11040	P-5244-X	P10697	PX-11040-2
MG-5085 SC	PX9260B Series	P5244V	P5245	B3649G
MG-5085A	PX9360B Series	P5244V	P5245	B3649G
MG-509SC	X9816F	A6902A	A6902	X9816F-2
MG-509DC	X9835	A6902D	A6902	X9835-2
MG-5090A	PX10015	B3504V	A7119H	PX10015-2
MG-5091SC	PX10016	B3504U	A7119J	B3649A
MG-5091DC	1002155	B3504U	A7119J	1002155-3

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### DRAWING REFERENCE LIST - PRINTS AVAILABLE UPON REQUEST

Transmission	Transmission	Mass Elastic	Hydraulic	H. E.
Model Number	Assy. Dwg. No.	System	Diagram	Requirements
140 5005 4				
MG-5095 A MG-5095 SC	PX11495	P5244AB P12041	P11735A P11735A	B3649A B3649A
	PX11535			
MG-5111 A	XA7525D	B3504Q	A7119H	XA7525D-2
MG-5111 SC	XA7533	B3504R	A7119J	B3649
MG-5111 RV	XA7555A	B3504Q	A7119H	XA7555A-2
MG-5112 IV	1004566	B3504AC	A7119P	B3649J
MG-5113 DC	1003526	B3504	A7119J	B3649B
MG-5114 A	PX9700B / PX11915	P5244M	A7119H	PX9700B-2 / PX11915-2
MG-5114 SC	PX9785B	P5244N	A7119J	B3649
MG-5114 SC-HD	PX11962	P5244N	A7119J	B3649
MG-5114 DC	PX10250A	P5244R	A7119J	B3649B
MG-5114 IV	PX9880C / PX11920	B3504AC	A7119P	B3649J
MG-5114 RV	PX9830A / PX11850	P5244M	A7119H	PX9830A-2
MGX-5114 A	PX11730	P5244M	A7119AD	PX11730-2
MGX-5114 SC	PX11790	P5244N	A7119J	B3649
MGX-5114 IV	PX11820	B3504AC	A7119P	B3649J
MGX-5114 RV	PX11850	P5244M	A7119H	PX11850-2
MG-5135 A	PX11380	P5244AA	P11735	B3649H
MG-5135 SC	PX11590	P5244Z	A7119M	B3649H
MG-5135 RV	PX11945	P5244AA	P11735	B3649H
MGX-5135 A	PX11740	P5244AA	A7119M	B3649H
MGX-5135 SC	PX11840	P5244Z	P12182	B3649H
MGX-5135 RV	PX11880	P5244AA	P12182	B3649H
MG-514C SC	X9784C	B3504D	A6905N	X9784C-3
MG-514C DC	X9786C	B3504C	A6905N	X9786C-3
MG-5145 A	PX10830	P5244W	A7119M	B3649H
MG-5145 SC	PX10885	P5244U	A7119M	B3649H
MG-5145 RV	PX10880	P5244W	A7119M	B3649H
MGX-5145 A	PX11755	P5244W	A7119M	B3649H
MGX-5145 SC	PX11830	P5244U	A7119M	B3649H
MGX-5145 RV	PX11860	P5244W	A7119M	B3649H
MGX-5147 A	PX11925	P5244W	ТВА	B3649H
MGX-5147 SC	PX12010	P5244U	A7119M	B3649H
MGX-5147 RV	PX11930	P5244W	A7119M	B3649H
MG-516	XA7470H	B3504P	A7119G	XA7470H-3
MG-5170 DC	1017463A	B3504AS	A7119V	B3649N
MG-518-1 SC	XA7343A	B3504L	A7119E	XA7343A-3
MG-518-1 DC	XA7292A	B3504L	A7119E	XA7292A-3
MG-520-1 HP	XA7255B	B3504M	A7119D	B3649Q
MG-5202 SC	1016103C	B3504AE	A7119Q	B3649K
MG-5203 SC	1016249A	B3504AE	A7119Q	B3649K
MG-5204 SC	1016250B	B3504AE	A7119Q	B3649K
MG-5222 DC	1020391	B3504AF	A7119AC	B3649K
MG-5225 DC	1020390	B3504AF	A7119R	B3649K
MG-5301 DC	1017020B	B3504AQ	A7119T	B3649M

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Transmission Model Number	Transmission Assy. Dwg. No.	Mass Elastic System	Hydraulic Diagram	H. E. Requirements
MG-5321	1015339	B3504AQ	A7119AE	B3649M
MG-540	X9882C	A6905Q	A6902M	X9882C-3
MG-5506	7-39253	3-54248	354650	
MG-5600 MG-5600 DR	1015239A 1018100	B3504AH B3504AT	A7119S A7119X	B3649L B3649L
MG-6449 A MG-6449 RV	7-37705 / 7-37931 7-37431 A	3-50656 3-50659	3-49460 3-49460	
MG-6557 A MG-6557 SC MG-6557 DC MG-6557 RV	7-37934 / 7-38008 7-38059 / 7-37707 7-38620 / 7-39148 7-37936	3-49491C 3-50393 3-49642 / 3-49642A 3-49492A	3-49460 3-49460 3-49460 3-49460	
MG-6598 DC	7-38063 / 7-37531	3-53773	3-49460	
MG-6600 DC MG-6619 A MG-6619 SC MG-6619 RV	7-37940 7-37540 7-37668 7-37938	3-49461A 3-49494A 3-53535 3-49495A	3-49460 3-49460 3-49460 3-49460	
MG-6620 A MGX-6620A MGX-6620SC MGX-6620RV	7-39092 TBA TBA TBA	3-53454 TBA TBA TBA	3-49460 3-49460 3-49460 3-49460	
MG-6650 SC MG-6690 SC	1018375E 1020350B	B3504AU B3504AU	A7119AA A7119AA	B3649M B3649M
MG-6848 SC	1019086B	B3504AU	A7119AA	B3649M
MG-6984 A	7-38495	3-49859	3-49460	
MG-6984 A (FS) MG-6984 SC MG-6984 SC (FS)	7-38510 7-37481 / 7-38452 7-37008	3-49836	3-49460	
MG-6984 RV	7-37042	3-49878	3-49460	
MG-61242 A MG-61242 A (FS)	TBA 7-37046	3-49885	3-49460	
MG-61242 SC MG-61242 SC (FS)	TBA 7-37017	3-49849	3-49460	
MG-61242 RV	7-37049	3-49887	3-49460	

### SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

<sup>\*</sup> Preliminary drawings only - do not use for construction.