

# Hydraulic Motors & Accessories K1

## Char-Lynn H Series Gerotor Motors Up to 4600 lb-in Intermittent Torque, 1100 Intermittent RPM



Char-Lynn H Series motors are economical, efficient, compact and powerful. They are designed for medium duty applications. These motors have the industry proven spool valve design combined with state-of-the-art gerotors. A wide variety of mounting flanges, shafts, ports and a low speed valving option provides design flexibility. Direction of shaft rotation and shaft speed can be controlled smoothly and easily throughout the speed range of the motor. Equipment can be driven direct, eliminating costly mechanical components.

**\*Maximum Case Pressure:** 1500 PSI

**\*Recommended Break-In:** To assure best motor life, run motor for approximately one hour at 30% of rated pressure before application to full load. Be sure the motor is filled with fluid prior to any load applications.

Char-Lynn Model	Sequence #	Displ. (cu.in/rev)	Mounting Flange	Shaft	Ports	Wt.	Price Per Ea
101-1033	176144	2.8	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	11.75	\$388.93
101-1009	176116	2.8	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	11.75	409.95
101-1001	176100	2.8	4 Bolt	1 in. Straight Keyed	1/2 NPT	11.25	446.45
101-1754	176184	3.6	4 Bolt	1 in. Straight Keyed	1/2 NPT	11.20	470.53
101-1034	176146	4.5	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	12.10	498.87
101-1002	176102	4.5	4 Bolt	1 in. Straight Keyed	1/2 NPT	11.50	458.80
101-1035	176148	5.9	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	12.34	497.02
101-1027	176136	5.9	2 Bolt	1 in. Straight Keyed	1/2 NPT	12.00	433.43
101-1011	176118	5.9	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd O-Ring	11.50	484.68
101-1003	176104	5.9	4 Bolt	1 in. Straight Keyed	1/2 NPT	12.00	487.41
101-1028	176138	9.7	2 Bolt	1 in. Straight Keyed	1/2 NPT	13.25	484.02
101-1004	176106	9.7	4 Bolt	1 in. Straight Keyed	1/2 NPT	12.50	546.35
101-1029	176140	11.3	2 Bolt	1 in. Straight Keyed	1/2 NPT	13.50	520.57
101-1013	176120	11.3	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd O-Ring	13.50	504.90
101-1005	176108	11.3	4 Bolt	1 in. Straight Keyed	1/2 NPT	12.50	535.00
101-1014	176122	14.1	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd O-Ring	13.00	477.61
101-1006	176110	14.1	4 Bolt	1 in. Straight Keyed	1/2 NPT	13.00	561.13
101-1039	176154	17.9	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd O-Ring	10.00	717.22
101-1015	176124	17.9	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd O-Ring	13.00	605.55
101-1007	176112	17.9	4 Bolt	1 in. Straight Keyed	1/2 NPT	13.80	593.23
101-1040	176155	22.6	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd O-Ring	15.25	671.96
101-1032	176142	22.6	2 Bolt	1 in. Straight Keyed	1/2 NPT	15.50	572.70
101-1016	176126	22.6	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd O-Ring	15.50	599.87
101-1008	176114	22.6	4 Bolt	1 in. Straight Keyed	1/2 NPT	14.50	669.41

### Cha-Lynn Motor Seal Kits

The prefix of Char-Lynn Motors part number indicate the series and the suffix indicates the design number  
"H" Series Motor has 101-XXX-OOX Part Number

Part Number	For Series	Our Sequence Number	Price Per Piece
60036	H (Old) -005	BB1005	\$57.79
60023	H-007	BB1010	73.86
60540	H-008, 009, A-001, A-002, A-003	BB1027	83.48

Prices subject to change without notice. **ASK FOR QUANTITY DISCOUNT**

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# K2 Hydraulic Motors & Accessories

## Char-Lynn S Series Geroler Motors Up to 5190 lb-in Intermittent Torque, 963 Intermittent RPM



Char-Lynn S Series motors with Geroler offer the same advantage of low speed, high torque and compact size as the H Series geroter. In the Geroler, element precision machined rollers form the displacement chambers. The rollers provide support with rolling contact as the star rotates, minimizing friction and providing high efficiency, especially at start up and at low speeds.

**\*Maximum Case Pressure:** 1500 PSI

**\*Recommended Break-In:** To assure best motor life, run motor for approximately one hour at 30% of rated pressure before application to full load. Be sure the motor is filled with fluid prior to any load applications.

Char-Lynn Model	Sequence #	Displ. (cu.in/rev)	Mounting Flange	Shaft	Ports	Wt.	Price Per Ea
103-1537	825088	3.6	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	14.80	\$546.53
103-1570	825077	3.6	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	12.50	474.22
103-1034	825089	4.6	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	15.00	483.86
103-1035	825090	5.7	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	15.67	550.00
103-1011	825079	5.7	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	14.62	540.07
103-1538	825091	7.3	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	16.05	498.32
103-1571	825081	7.3	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	14.99	873.63
103-1572	825082	8.8	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	15.35	504.10
103-1539	825092	8.8	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	16.00	510.85
103-1036	825093	10.1	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	17.02	517.59
103-1037	825094	11.4	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	12.96	532.05
103-1013	825084	11.4	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	16.11	631.47
103-1038	825095	13.7	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	20.00	671.00
103-1014	825085	13.7	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	16.00	571.57
103-1039	825096	17.9	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	20.25	589.88
103-1015	825086	18.2	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	18.75	607.23
103-1040	825097	22.7	2 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	20.70	624.58
103-1016	825087	22.7	4 Bolt	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	20.00	642.90

Cha-Lynn Motor Seal Kits			
The prefix of Char-Lynn Motors part number indicate the series and the suffix indicates the design number			
"S" Series Motor has 103-XXX-OOX Part Number			
Part Number	For Series	Our Sequence Number	Price Per Piece
60042	S-006, S-005	BB1015	\$53.84
60026	S-007	BB1020	69.20
60533	S-008	BB1025	58.93
60539	S-009, S-010	BB1026	84.70
60564	S-011, R-002, T-001	BB10275	98.26

**ASK FOR QUANTITY DISCOUNT** Prices subject to change without notice.

# Hydraulic Motors & Accessories K3

## Char-Lynn 2000 Series Geroter Motors Up to 8225 lb-in Intermittent Torque, 1042 Intermittent RPM



Char-Lynn 2000 Series motors feature a geroler displacement mechanism that provides high starting and running torque and a smooth output shaft rotation even at very low speeds. A patented pressure-balanced, wear-compensated disc valve maintains minimal leakage as it distributes fluid to the geroler pockets. Heavy duty roller bearings permit high radial loads and are matched to the torque capability of the motor. We have a wide selection of motors, shafts, mounting flanges, ports among others. Call us for assistance.

**\*Maximum Case Pressure:** 2000 PSI (Without case drain) For continuous back pressure over 2000 PSI, use an external case drain line. Install line so motor case remains full at all times.

**\*Recommended Break-In:** To assure best motor life, run motor for approximately one hour at 30% of rated pressure before application to full load. Be sure the motor is filled with fluid prior to any load applications.

Char-Lynn Model	Sequence #	Displ. (cu.in/rev)	Mounting Flange	Shaft	Ports	Wt.	Price Per Ea
104-1001	825000	4.9	2 Bolt SAE A	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	23.03	\$936.85
104-1022	825014	4.9	2 Bolt SAE A	1-1/4 in. Straight Keyed	7/8-14 St. Thd. O-Ring	23.00	814.18
104-1002	825002	6.2	2 Bolt SAE A	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	23.35	863.52
104-1023	825016	6.2	2 Bolt SAE A	1-1/4 in. Straight Keyed	7/8-14 St. Thd. O-Ring	23.59	822.40
104-1030	825028	6.2	2 Bolt SAE A	SAE C Splined 14T	7/8-14 St. Thd. O-Ring	23.74	812.04
104-1003	825004	8.0	2 Bolt SAE A	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	24.11	900.47
104-1024	825018	8.0	2 Bolt SAE A	1-1/4 in. Straight Keyed	7/8-14 St. Thd. O-Ring	24.25	989.58
104-1031	825030	8.0	2 Bolt SAE A	SAE C Splined 14T	7/8-14 St. Thd. O-Ring	23.80	846.23
104-1025	825020	9.6	2 Bolt SAE A	1-1/4 in. Straight Keyed	7/8-14 St. Thd. O-Ring	24.50	994.66
104-1005	825006	11.9	2 Bolt SAE A	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	25.00	949.16
104-1026	825022	11.9	2 Bolt SAE A	1-1/4 in. Straight Keyed	7/8-14 St. Thd. O-Ring	25.25	804.75
104-1065	825050	11.9	2 Bolt SAE A	1-1/4 in. Straight Keyed	1-1/16-12 St.Thd. O-Ring	23.00	879.57
104-1006	825008	14.9	2 Bolt SAE A	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	18.00	843.02
104-1027	825024	14.9	2 Bolt SAE A	1-1/4 in. Straight Keyed	7/8-14 St. Thd. O-Ring	27.00	970.03
104-1034	825034	14.9	2 Bolt SAE A	SAE C Splined 14T	7/8-14 St. Thd. O-Ring	26.00	880.66
104-1007	825010	18.7	2 Bolt SAE A	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	27.10	865.47
104-1028	825026	18.7	2 Bolt SAE A	1-1/4 in. Straight Keyed	7/8-14 St. Thd. O-Ring	27.75	995.87
104-1067	825054	18.7	2 Bolt SAE A	1-1/4 in. Straight Keyed	1-1/16-12 St.Thd. O-Ring	27.75	861.79
104-1143	825060	24.0	2 Bolt SAE A	1 in. Straight Keyed	7/8-14 St. Thd. O-Ring	29.00	900.72
104-1228	825070	24.0	2 Bolt SAE A	1-1/4 in. Straight Keyed	7/8-14 St. Thd. O-Ring	29.75	1036.44
104-1068	825056	24.0	2 Bolt SAE A	1-1/4 in. Straight Keyed	1-1/16-12 St.Thd. O-Ring	26.00	930.64
104-1229	825072	24.0	2 Bolt SAE A	SAE C Splined 14T	7/8-14 St. Thd. O-Ring	29.50	913.55
104-1420	825080	29.8	2 Bolt SAE A	1-1/4 in. Straight Keyed	7/8-14 St. Thd. O-Ring	32.00	1140.58

Cha-Lynn Motor Seal Kits			
The prefix of Char-Lynn Motors part number indicate the series and the suffix indicates the design number			
"2000" Series Motor has 104 & 105-XXX-OOX Part Number			
Part Number	For Series	Our Sequence Number	Price Per Piece
61252	2000-002, 3, 4, 5	BB1030	\$109.19
61258	2000-006	BB1032	116.56

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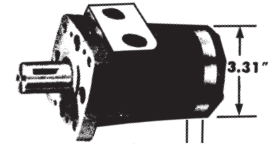
**TRW ROSS "TB" SERIES MOTORS**

Use For CHAR-LYNN "H" SERIES OR WHITE "RS" SERIES MOTORS

**TB Series Roller Stator Has Two Bronze Bushings and One Needle Thrust Bearing**

White Motors and Ross Motors rotate in the same direction as Char-Lynn Motors – All Motors are reversible.

**HOW TO IDENTIFY A CHAR-LYNN MOTOR** - Measure the width of the gerotor gear just before the end cap of the motor. The width will be either 1/4, 3/8, 1/2, 3/4, 7/8, 1, 1-1/4, 1-1/2, or 2 inches. You can easily identify the motor using the fourth column from the left.



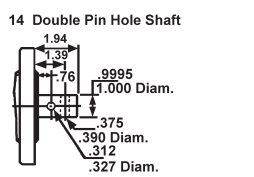
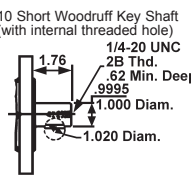
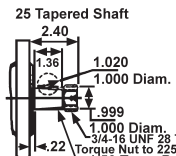
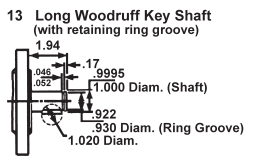
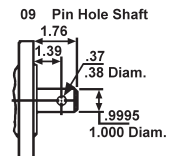
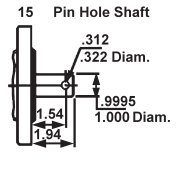
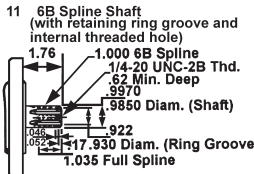
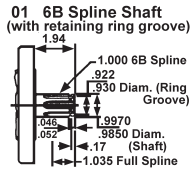
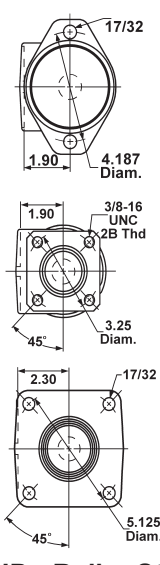
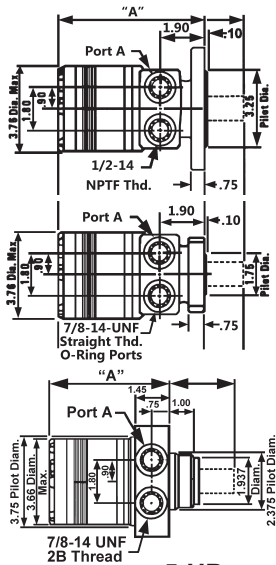
NEW TRW-Ross Motor Number	Our Sequence Number	Price Per Piece	With 1/2" PIPE PORTS				With 7/8" O-RING PORTS	
			Aprox. Disp. Cu.In.	Char-Lynn Gerotor Width	NEW Char-Lynn Motor Number	OLD TRW-Ross Motor Number	NEW Char-Lynn Motor Number	OLD TRW-Ross Motor Number
<b>4-Bolt Light Mounting Flange-1" Straight Shaft with Key</b>								
TB0045FP130AAAB	706958	<b>\$316.15</b>	2			MG 021313AAAB		MG 020913AAAB
TB0050FP130AAAB	706963	<b>432.86</b>	3	1/4	101-1001	MG 031313AAAB	101-1009	MG 030913AAAB
TB0065FP130AAAB	706968	<b>314.22</b>	4	3/8	101-1002	MG 041313AAAB	101-1010	MG 040913AAAB
TB0080FP130AAAB	706969	<b>439.03</b>	5			MG 051313AAAB		MG 050913AAAB
TB0100FP130AAAB	706973	<b>323.86</b>	6	1/2	101-1003	MG 061313AAAB	101-1011	MG 060913AAAB
TB0130FP130AAAB	706974	<b>458.70</b>	8			MG 081313AAAB		MG 080913AAAB
TB0165FP130AAAB	706978	<b>350.85</b>	10	7/8	101-1004	MG 101313AAAB	101-1012	MG 100913AAAB
TB0195FP130AAAB	706983	<b>385.54</b>	12	1	101-1005	MG 121313AAAB	101-1013	MG 120913AAAB
TB0230FP130AAAB	706988	<b>387.47</b>	14	1-1/4	101-1006	MG 141313AAAB	101-1014	MG 140913AAAB
TB0260FP130AAAB	706989	<b>565.11</b>	16			MG 161313AAAB		MG 160913AAAB
TB0295FP130AAAB	706993	<b>356.63</b>	18	1-1/2	101-1007	MG 181313AAAB	101-1015	MG 180913AAAB
TB0330FP130AAAB	706998	<b>603.46</b>	20	2	101-1008	MG 201313AAAB	101-1016	MG 200913AAAB
TB0390FP130AAAB	706995	<b>657.44</b>	24			MG 241313AAAB		
<b>4-Bolt Light Mounting Flange-1" 6 Spline Shaft</b>								
TB0045FP110AAAB	707941	<b>440.58</b>	2			MG 021311AAAB		MG 020911AAAB
TB0050FP110AAAB	707942	<b>403.93</b>	3	1/4		MG 031311AAAB		MG 030911AAAB
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TB0080FP110AAAB	707944	<b>409.62</b>	5			MG 051311AAAB		MG 050911AAAB
TB0100FP110AAAB	707946	<b>456.38</b>	6	1/2	101-1051	MG 061311AAAB		MG 060911AAAB
TB0130FP110AAAB	707947	<b>427.57</b>	8			MG 081311AAAB		MG 080911AAAB
TB0165FP110AAAB	707948	<b>460.05</b>	10	7/8	101-1052	MG 101311AAAB	101-1060	MG 100911AAAB
TB0195FP110AAAB*	707949	....	12	1	101-1053	MG 121311AAAB		MG 120911AAAB
TB0230FP110AAAB*	707951	....	14	1-1/4	101-1054	MG 141311AAAB		MG 140911AAAB
TB0260FP110AAAB	707952	<b>535.28</b>	16			MG 161311AAAB		MG 160911AAAB
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<b>2-Bolt A Mounting Flange-1" Straight Shaft with Key</b>								
TB0045AP130AAAB	707041	<b>431.81</b>	2			MG 021213AAAB		MG 020613AAAB
TB0050AP130AAAB	707043	....	3	1/4	101-1025	MG 031213AAAB	101-1033	MG 030613AAAB
TB0065AP130AAAB	707048	<b>314.22</b>	4	3/8	101-1026	MG 041213AAAB	101-1034	MG 040613AAAB
TB0080AP130AAAB	707049	....	5			MG 051213AAAB		MG 050613AAAB
TB0100AP130AAAB	707053	<b>329.64</b>	6	1/2	101-1027	MG 061213AAAB	101-1035	MG 060613AAAB
TB0130AP130AAAB	707054	<b>458.70</b>	8			MG 081213AAAB		MG 080613AAAB
TB0165AP130AAAB	707058	<b>354.70</b>	10	7/8	101-1028	MG 101213AAAB	101-1036	MG 100613AAAB
TB0195AP130AAAB	707063	<b>324.82</b>	12	1	101-1029	MG 121213AAAB	101-1037	MG 120613AAAB
TB0230AP130AAAB	707068	<b>535.99</b>	14	1-1/4	101-1030	MG 141213AAAB	101-1038	MG 140613AAAB
TB0260AP130AAAB	707069	<b>576.39</b>	16			MG 161213AAAB		MG 160613AAAB
TB0295AP130AAAB	707073	<b>550.94</b>	18	1-1/2	101-1031	MG 181213AAAB	101-1039	MG 180613AAAB
TB0330AP130AAAB	707078	<b>414.46</b>	20	2	101-1032	MG 201213AAAB	101-1040	MG 200613AAAB
<b>2-Bolt A Mounting Flange-1" 6 Spline Shaft</b>								
TB0045AP110AAAB	707160	<b>402.83</b>	2			MG 021211AAAB		MG 020611AAAB
TB0050AP110AAAB	707161	<b>403.93</b>	3	1/4	101-1073	MG 031211AAAB		MG 030611AAAB
TB0065AP110AAAB*	707165	....	4	3/8	101-1074	MG 041211AAAB		MG 040611AAAB
TB0080AP110AAAB	707166	<b>409.62</b>	5			MG 051211AAAB		MG 050611AAAB
TB0100AP110AAAB	707170	<b>417.39</b>	6	1/2	101-1075	MG 061211AAAB	101-1083	MG 060611AAAB
TB0130AP110AAAB	707171	<b>427.57</b>	8			MG 081211AAAB		MG 080611AAAB
TB0195AP110AAAB*	707177	....	10	7/8	101-1076	MG 101211AAAB	101-1084	MG 100611AAAB
TB0230AP110AAAB*	707180	....	12	1	101-1077	MG 121211AAAB	101-1085	MG 120611AAAB
TB0260AP110AAAB	707181	....	14	1-1/4	101-1078	MG 141211AAAB	101-1086	MG 140611AAAB
TB0295AP110AAAB	707185	<b>537.47</b>	16			MG 161211AAAB		MG 160611AAAB
TB0330AP110AAAB	707190	<b>559.91</b>	18	1-1/2	101-1079	MG 181211AAAB	101-1087	MG 180611AAAB
			20	2	101-1080	MG 201211AAAB	101-1088	MG 200611AAAB

**ASK FOR QUANTITY DISCOUNT** Prices subject to change without notice.

# YOUR MEDIUM DUTY HYDRAULIC MOTOR GUIDE

## TE Torqmotor Series Dimensions & Shafts

**K5**



2 Holes to be 90° ± 15° apart as shown Applications using .375-.385 diam. hole must be limited to 1500 In.-Lbs. (169.5 Min.) Torque

### 5 HP up to 12 HP - Roller Stator - Two Needle Bearings and One Needle Thrust Bearing

NEW Ross Motor Number	OLD Ross Motor Number	Similar to CharLynn &/or White	Max. PSI	Disp	Max. Torq	Max. Flow	RPM No Load	Max. Cont. PSI	At 5 GPM Max Cont. PSI RPM	HP at 50 RPM Max. Cont. PSI GPM
TE0045FP130AAAA	MF 021313AAAA		2500	2.5	776	9	88	2000	383	3.125 .63 .50
TE0045FP110AAAA	MF 021311AAAA		2500	2.5	776	9	88	2000	383	3.125 .63 .50
TE0045AP130AAAA	MF 021213AAAA		2500	2.5	776	9	88	2000	383	3.125 .63 .50
TE0045AP110AAAA	MF 021211AAAA		2500	2.5	776	9	88	2000	383	3.125 .63 .50
TE0050FP130AAAA	MF 031313AAAA	RSAA1	2500	3	965	12	76	2000	347	3.50 .75 .60
TE0050FP110AAAA	MF 031311AAAA	RSAA6	2500	3	965	12	76	2000	347	3.50 .75 .60
TE0050AP130AAAA	MF 031213AAAA	RSDA1	2500	3	965	12	76	2000	347	3.50 .75 .60
TE0050AP110AAAA	MF 031211AAAA	RSDA6	2500	3	965	12	76	2000	347	3.50 .75 .60
TE0065FP130AAAA	MF 041313AAAA	103-1002 RSAB1	2500	4	1244	15	58	2000	275	3.50 .97 .80
TE0065FP110AAAA	MF 041311AAAA	103-1050 RSAB6	2500	4	1244	15	58	2000	275	3.50 .97 .80
TE0065AP130AAAA	MF 041213AAAA	103-1026 RSDB1	2500	4	1244	15	58	2000	275	3.50 .97 .80
TE0065AP110AAAA	MF 041211AAAA	103-1074 RSDB6	2500	4	1244	15	58	2000	275	3.50 .97 .80
TE0080FP130AAAA	MF 051313AAAA		2500	5	1557	15	45	2000	209	3.50 1.19 1.00
TE0080FP110AAAA	MF 051311AAAA		2500	5	1557	15	45	2000	209	3.50 1.19 1.00
TE0080AP130AAAA	MF 051213AAAA		2500	5	1557	15	45	2000	209	3.50 1.19 1.00
TE0080AP110AAAA	MF 051211AAAA		2500	5	1557	15	45	2000	209	3.50 1.19 1.00
TE0100FP130AAAA	MF 061313AAAA	103-1003 RSAC1	2500	6	1883	15	38	2000	175	3.50 1.40 1.23
TE0100FP110AAAA	MF 061311AAAA	103-1051 RSAC6	2500	6	1883	15	38	2000	175	3.50 1.40 1.23
TE0100AP130AAAA	MF 061213AAAA	103-1027 RSDC1	2500	6	1883	15	38	2000	175	3.50 1.40 1.23
TE0100AP110AAAA	MF 061211AAAA	103-1075 RSDC6	2500	6	1883	15	38	2000	175	3.50 1.40 1.23
TE0130FP130AAAA	MF 081313AAAA		2500	8	2584	15	29	2000	133	3.75 1.85 1.66
TE0130FP110AAAA	MF 081311AAAA		2500	8	2584	15	29	2000	133	3.75 1.85 1.66
TE0130AP130AAAA	MF 081213AAAA		2500	8	2584	15	29	2000	133	3.75 1.85 1.66
TE0130AP110AAAA	MF 081211AAAA		2500	8	2584	15	29	2000	133	3.75 1.85 1.66
TE0165FP130AAAA	MF 101313AAAA	103-1004 RSAE1	2500	10	3291	15	23	2000	108	3.75 2.34 2.00
TE0165FP110AAAA	MF 101311AAAA	103-1052 RSAE6	2500	10	3291	15	23	2000	108	3.75 2.34 2.00
TE0165AP130AAAA	MF 101213AAAA	103-1028 RSDE1	2500	10	3291	15	23	2000	108	3.75 2.34 2.00
TE0165AP110AAAA	MF 101211AAAA	103-1076 RSDE6	2500	10	3291	15	23	2000	108	3.75 2.34 2.00
TE0195FP130AAAA	MF 121313AAAA	103-1005 RSAG1	2500	12	3732	15	19	2000	90	3.75 2.79 2.50
TE0195FP110AAAA	MF 121311AAAA	103-1053 RSAG6	2500	12	3732	15	19	2000	90	3.75 2.79 2.50
TE0195AP130AAAA	MF 121213AAAA	103-1029 RSDG1	2500	12	3732	15	19	2000	90	3.75 2.79 2.50
TE0195AP110AAAA	MF 121211AAAA	103-1077 RSDG6	2500	12	3732	15	19	2000	90	3.75 2.79 2.50
TE0230FP130AAAA	MF 141313AAAA	103-1006 RSAK1	2150	14	3498	20	16	1750	81	3.16 3.20 2.30
TE0230FP110AAAA	MF 141311AAAA	103-1054 RSAK6	2150	14	3498	20	16	1750	81	3.16 3.20 2.30
TE0230AP130AAAA	MF 141213AAAA	103-1030 RSDK1	2150	14	3498	20	16	1750	81	3.16 3.20 2.30
TE0230AP110AAAA	MF 141211AAAA	103-1078 RSDK6	2150	14	3498	20	16	1750	81	3.16 3.20 2.30
TE0260FP130AAAA	MF 161313AAAA	103-1007 RSAM1	1850	16	3462	20	14-1/4	1650	69	2.40 3.60 2.50
TE0260FP110AAAA	MF 161311AAAA	103-1055 RSAM6	1850	16	3462	20	14-1/4	1650	69	2.40 3.60 2.50
TE0260AP130AAAA	MF 161213AAAA	103-1031 RSDM1	1850	16	3462	20	14-1/4	1650	69	2.40 3.60 2.50
TE0260AP110AAAA	MF 161211AAAA	103-1079 RSDM6	1850	16	3462	20	14-1/4	1650	69	2.40 3.60 2.50
TE0295FP130AAAA	MF 181313AAAA		1650	18	3470	20	13	1550	62	2.25 4.60 2.60
TE0295FP110AAAA	MF 181311AAAA		1650	18	3470	20	13	1550	62	2.25 4.60 2.60
TE0295AP130AAAA	MF 181213AAAA		1650	18	3470	20	13	1550	62	2.25 4.60 2.60
TE0295AP110AAAA	MF 181211AAAA		1650	18	3470	20	13	1550	62	2.25 4.60 2.60
TE0330FP130AAAA	MF 201313AAAA	103-1008 RSAP1	1500	20	3427	20	11	1450	55	2.00 4.50 2.70
TE0330FP110AAAA	MF 201311AAAA	103-1056 RSAP6	1500	20	3427	20	11	1450	55	2.00 4.50 2.70
TE0330AP130AAAA	MF 201213AAAA	103-1032 RSDP1	1500	20	3427	20	11	1450	55	2.00 4.50 2.70
TE0330AP110AAAA	MF 201211AAAA	103-1080 RSDP6	1500	20	3427	20	11	1450	55	2.00 4.50 2.70

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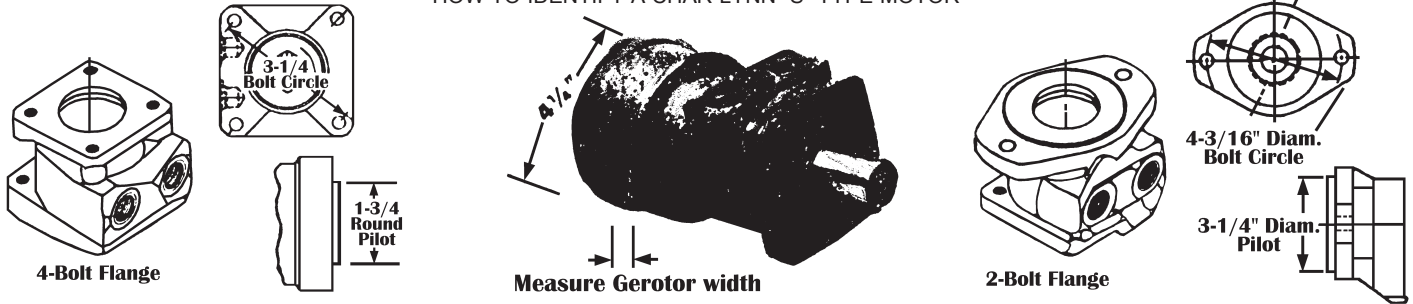
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**TRW ROSS "TE" SERIES MOTORS**

Use For CHAR-LYNN "S" SERIES OR WHITE "RS" SERIES MOTORS  
TE Series Roller stator With Two Needle Bearings and One Needle Thrust Bearing

HOW TO IDENTIFY A CHAR-LYNN "S" TYPE MOTOR



**FLOWS FROM 7 to 20 GPM - DISPLACEMENT FROM 3 CU. IN. to 24 CU. IN.**

All Motors are Reversible

TRW-Ross Motor Number	Our Sequence Number	Price Per Piece	With 1/2" PIPE PORTS				With 7/8" O-RING PORTS	
			Approx. Disp. Cu. In.	Char-Lynn Gerotor Width	NEW Char-Lynn Motor Number	OLD TRW-Ross Motor Number	NEW Char-Lynn Motor Number	OLD TRW-Ross Motor Number
<b>4-Bolt Square Light Mounting Flange - 1" Straight Shaft</b>								
TE0045FP130AAAA	707651	\$....	2			MF 021313AAAA		MF 020913AAAA
TE0050FP130AAAA	707652	....	3			MF 031313AAAA		MF 030913AAAA
TE0065FP130AAAA	707653	<b>537.35</b>	4	3/8	103-1002	MF 041313AAAA	103-1010	MF 040913AAAA
TE0100FP130AAAA	707655	<b>603.48</b>	6	1/2	103-1003	MF 061313AAAA	103-1011	MF 060913AAAA
TE0130FP130AAAA	707656	<b>648.80</b>	8			MF 081313AAAA		MF 080913AAAA
TE0165FP130AAAA	707657	<b>581.21</b>	10	7/8	103-1004	MF 101313AAAA	103-1012	MF 100913AAAA
TE0195FP130AAAA	707658	<b>608.06</b>	12	1	103-1005	MF 121313AAAA	103-1013	MF 120913AAAA
TE0230FP130AAAA	707662	<b>631.72</b>	14		103-1006	MF 141313AAAA	103.1014	MF 140913AAAA
TE0295FP130AAAA	707667	<b>704.62</b>	18			MF 181313AAAA		MF 180913AAAA
TE0330FP130AAAA	707669	<b>795.86</b>	20	2	103-1008	MF 201313AAAA	103-1016	MF 200913AAAA
<b>4-Bolt Square Light Mounting Flange - 1" 6 Spline Shaft</b>								
TE0045FP110AAAA	707698	<b>535.17</b>	2			MF 021311AAAA		MF 020911AAAA
TE0050FP110AAAA	707701	<b>536.26</b>	3			MF 031311AAAA		MF 030911AAAA
TE0080FP110AAAA	707708	<b>578.95</b>	5			MF 051311AAAA		MF 050911AAAA
TE0100FP110AAAA*	707711	....	6	1/2	103-1051	MF 061311AAAA		MF 060911AAAA
TE0130FP110AAAA	707716	<b>593.51</b>	8			MF 081311AAAA		MF 080911AAAA
TE0165FP110AAAA	707721	<b>594.61</b>	10	7/8	103-1052	MF 101311AAAA	103-1060	MF 100911AAAA
-----	-----	....	12	1	103-1053	MF 121311AAAA		MF 120911AAAA
TE0230FP110AAAA	707724	<b>631.72</b>	14		103-1054	MF 141311AAAA	103-1062	MF 140911AAAA
TE0260FP110AAAA	707728	<b>694.56</b>	16	1-1/2	103-1055	MF 161311AAAA	103-1063	MF 160911AAAA
TE0295FP110AAAA	707731	<b>704.62</b>	18			MF 181311AAAA		MF 180911AAAA
TE0330FP110AAAA	707730	<b>804.62</b>	20	2	103-1056	MF 201311AAAA		MF 200911AAAA
<b>2-Bolt A Mounting Flange - 1" Straight Shaft</b>								
TE0065AP130AAAA	707493	<b>587.36</b>	4	3/8	103-1026	MF 041213AAAA	103-1034	MF 040613AAAA
TE0080AP130AAAA	707494	<b>578.95</b>	5			MF 051213AAAA		MF 050613AAAA
TE0100AP130AAAA	707496	<b>621.59</b>	6	1/2	103-1027	MF 061213AAAA	103-1035	MF 060613AAAA
TE0165AP130AAAA	707500	<b>618.70</b>	10	7/8	103-1028	MF 101213AAAA	103-1036	MF 100613AAAA
TE0195AP130AAAA	707501	<b>664.57</b>	12	1	103-1029	MF 121213AAAA	103-1037	MF 120613AAAA
-----	-----	....	14		103-1030	MF 141213AAAA	103.1038	MF 140613AAAA
TE0295AP130AAAA*	707504	....	18			MF 181213AAAA		MF 180613AAAA
TE0330AP130AAAA	707506	<b>735.40</b>	20	2	103-1032	MF 201213AAAA	103-1040	MF 200613AAAA
<b>2-Bolt A Mounting Flange - 1" 6 Spline Shaft</b>								
TE0045AP110AAAA	707619	<b>543.05</b>	2			MF 021211AAAA		MF 020611AAAA
TE0050AP110AAAA	707621	<b>544.15</b>	3			MF 031211AAAA		MF 030611AAAA
TE0065AP110AAAA	707623	<b>545.24</b>	4	3/8	103-1074	MF 041211AAAA	103-1082	MF 040611AAAA
TE0080AP110AAAA	707627	<b>586.84</b>	5			MF 051211AAAA		MF 050611AAAA
TE0100AP110AAAA	707632	<b>587.94</b>	6	1/2	103-1075	MF 061211AAAA	103-1083	MF 060611AAAA
TE0130AP110AAAA	707637	<b>601.39</b>	8			MF 081211AAAA		MF 080611AAAA
TE0165AP110AAAA*	-----	....	10	7/8	103-1076	MF 101211AAAA	103-1084	MF 100611AAAA
TE0195AP110AAAA	707643	<b>615.96</b>	12	1	103-1077	MF 121211AAAA	103-1085	MF 120611AAAA
TE0230AP110AAAA	707644	<b>639.59</b>	14		103-1078	MF 141211AAAA	103-1086	MF 140611AAAA
TE0260AP110AAAA	707646	<b>702.43</b>	16	1-1/2	103-1079	MF 161211AAAA	103-1087	MF 160611AAAA
TE0295AP110AAAA*	707648	....	18			MF 181211AAAA		MF 180611AAAA
TE0330AP110AAAA	707650	<b>736.03</b>	20	2	103-1080	MF 201211AAAA	103-1088	MF 200611AAAA

**ASK FOR QUANTITY DISCOUNT**

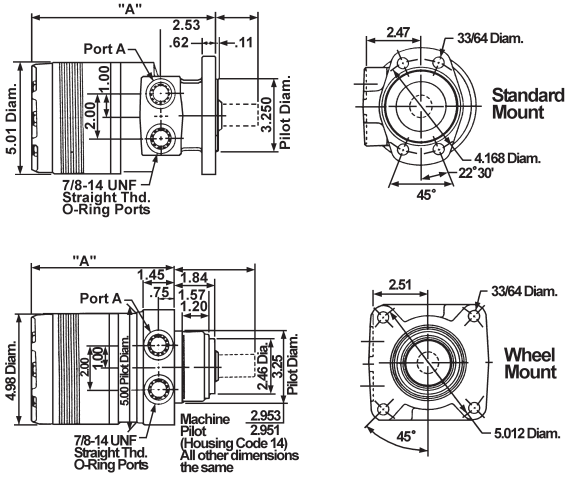
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# YOUR HEAVY DUTY HYDRAULIC MOTOR GUIDE

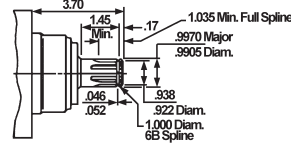
## TF Torqmotor Series

**K7**

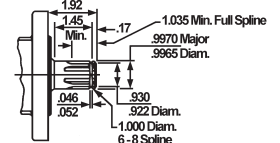
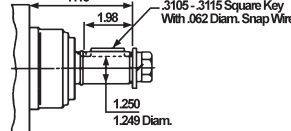
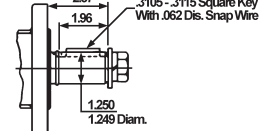
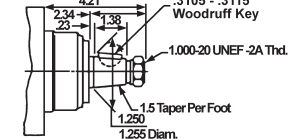
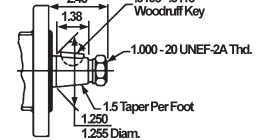
### TF Torqmotor Series Dimensions



### Wheel Mount


**01 6B**

### Standard Mount


**01 6B**

**03 1.25" Straight Key**

**03 1.25" Straight Key**

**08 1.25" Tapered**

**08 1.25" Tapered**

### Roller Stator - Two Needle Bearings and Two Needle Thrust Bearings

NEW Ross Motor Number	OLD Ross Motor Number	Similar to CharLynn &/or White	Max. PSI	Disp	Max. Torq	Max. Flow	RPM No Load	Max. Cont. PSI	At 5 GPM Max Cont. PSI RPM	HP Cont. PSI HP	HP at 50 RPM Max. Cont. PSI GPM	HP
TF0080MS020AAAA	MB 050102AAAA	104-1001	4000	5.0	2563	15	47	3000	198	6.00	1.23	1.50
TF0080MS030AAAA	MB 050103AAAA	104-1022	4000	5.0	2563	15	47	3000	198	6.00	1.23	1.50
TF0080MS010AAAA	MB 050101AAAA	104-1015	4000	5.0	2563	15	47	3000	198	6.00	1.23	1.50
TF0080MS050AAAA	MB 050105AAAA		4000	5.0	2563	15	47	3000	198	6.00	1.23	1.50
TF0080MS080AAAA	MB 050108AAAA		4000	5.0	2563	15	47	3000	198	6.00	1.23	1.50
TF0100MS020AAAA	MB 060102AAAA	104-1002	3500	6.0	2760	15	38	2250	180	5.00	1.16	1.60
TF0100MS030AAAA	MB 060103AAAA	104-1023	3500	6.0	2760	15	38	2250	180	5.00	1.16	1.60
TF0100MS010AAAA	MB 060101AAAA	104-1016	3500	6.0	2760	15	38	2250	180	5.00	1.16	1.60
TF0100MS050AAAA	MB 060105AAAA	104-1030	3500	6.0	2760	15	38	2250	180	5.00	1.16	1.60
TF0100MS080AAAA	MB 060108AAAA	104-1009	3500	6.0	2760	15	38	2250	180	5.00	1.16	1.60
TF0130MS020AAAA	MB 080102AAAA	104-1003	3000	7.8	3082	20	30	2000	142	4.50	1.85	1.60
TF0130MS030AAAA	MB 080103AAAA	104-1024	3000	7.8	3082	20	30	2000	142	4.50	1.85	1.60
TF0130MS010AAAA	MB 080101AAAA	104-1017	3000	7.8	3082	20	30	2000	142	4.50	1.85	1.60
TF0130MS050AAAA	MB 080105AAAA	104-1031	3000	7.8	3082	20	30	2000	142	4.50	1.85	1.60
TF0130MS080AAAA	MB 080108AAAA	104-1010	3000	7.8	3082	20	30	2000	142	4.50	1.85	1.60
TF0140MS020AAAA	MB 090102AAAA		3000	8.6	3451	20	27	2000	128	4.50	2.00	1.78
TF0140MS030AAAA	MB 090103AAAA		3000	8.6	3451	20	27	2000	128	4.50	2.00	1.78
TF0140MS010AAAA	MB 090101AAAA		3000	8.6	3451	20	27	2000	128	4.50	2.00	1.78
TF0140MS050AAAA	MB 090105AAAA		3000	8.6	3451	20	27	2000	128	4.50	2.00	1.78
TF0140MS080AAAA	MB 090108AAAA		3000	8.6	3451	20	27	2000	128	4.50	2.00	1.78
TF0170MS020AAAA	MB 100102AAAA	104-1004	3000	10.2	4030	20	22	2000	105	4.50	2.40	2.20
TF0170MS030AAAA	MB 100103AAAA	104-1025	3000	10.2	4030	20	22	2000	105	4.50	2.40	2.20
TF0170MS010AAAA	MB 100101AAAA	104-1018	3000	10.2	4030	20	22	2000	105	4.50	2.40	2.20
TF0170MS050AAAA	MB 100105AAAA	104-1032	3000	10.2	4030	20	22	2000	105	4.50	2.40	2.20
TF0170MS080AAAA	MB 100108AAAA	104-1011	3000	10.2	4030	20	22	2000	105	4.50	2.40	2.20
TF0195MS020AAAA	MB 120102AAAA	104-1005	3000	12.1	4719	20	19	2000	92	4.50	2.80	2.56
TF0195MS030AAAA	MB 120103AAAA	104-1026	3000	12.1	4719	20	19	2000	92	4.50	2.80	2.56
TF0195MS010AAAA	MB 120101AAAA	104-1019	3000	12.1	4719	20	19	2000	92	4.50	2.80	2.56
TF0195MS050AAAA	MB 120105AAAA	104-1033	3000	12.1	4719	20	19	2000	92	4.50	2.80	2.56
TF0195MS080AAAA	MB 120108AAAA	104-1012	3000	12.1	4719	20	19	2000	92	4.50	2.80	2.56
TF0240MS020AAAA	MB 150102AAAA	104-1006	3000	14.6	5992	25	16	2000	75	4.50	3.36	3.00
TF0240MS030AAAA	MB 150103AAAA		3000	14.6	5992	25	16	2000	75	4.50	3.36	3.00
TF0240MS010AAAA	MB 150101AAAA	104-1020	3000	14.6	5992	25	16	2000	75	4.50	3.36	3.00
TF0240MS050AAAA	MB 150105AAAA	104-1034	3000	14.6	5992	25	16	2000	75	4.50	3.36	3.00
TF0240MS080AAAA	MB 150108AAAA	104-1013	3000	14.6	5992	25	16	2000	75	4.50	3.36	3.00
TF0280MS020AAAA	MB 180102AAAA	104-1007	3000	17.7	6941	25	13	2000	64	4.50	3.97	3.57
TF0280MS030AAAA	MB 180103AAAA	104-1028	3000	17.7	6941	25	13	2000	64	4.50	3.97	3.57
TF0280MS010AAAA	MB 180101AAAA	104-1021	3000	17.7	6941	25	13	2000	64	4.50	3.97	3.57
TF0280MS050AAAA	MB 180105AAAA	104-1035	3000	17.7	6941	25	13	2000	64	4.50	3.97	3.57
TF0280MS080AAAA	MB 180108AAAA	104-1014	3000	17.7	6941	25	13	2000	64	4.50	3.97	3.57
TF0405MS020AAAA	MB 250102AAAA		2500	24.7	5800	25	9	1850	40	4.00	6.00	5.00
TF0405MS030AAAA	MB 250103AAAA		2500	24.7	5800	25	9	1850	40	4.00	6.00	5.00
TF0405MS010AAAA	MB 250101AAAA		2500	24.7	5800	25	9	1850	40	4.00	6.00	5.00
TF0405MS050AAAA	MB 250105AAAA		2500	24.7	5800	25	9	1850	40	4.00	6.00	5.00
TF0405MS080AAAA	MB 250108AAAA		2500	24.7	5800	25	9	1850	40	4.00	6.00	5.00

TFXXXXMS020AAAA Std. 7/8 O-Ring Thread Ports 1" Keyed Shaft  
 TFXXXXMS030AAAA Std. 7/8 O-Ring Thread Ports 1-1/4" Keyed Shaft  
 TFXXXXMS010AAAA Std. 7/8 O-Ring Thread Ports 1" 6 Spline Shaft

TFXXXXMS050AAAA Std. 7/8 O-Ring Thread Ports 1-1/4" 14 Spline Shaft  
 TFXXXXMS080AAAA Std. 7/8 O-Ring Thread Ports 1-1/4" Taper Shaft  
 Other shaft options are available and normally in stock.

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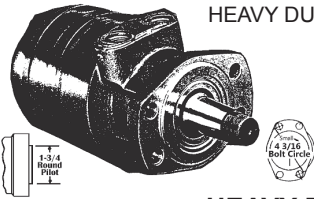
TRW ROSS "TF/TG" SERIES MOTORS

Use For CHAR-LYNN "2000" SERIES OR WHITE "RE" SERIES MOTORS

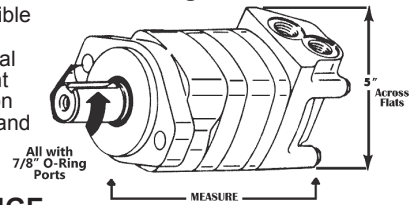
TF/TG Series Roller Stator Has Two Needle Bearings and Two Needle Thrust Beings

HEAVY DUTY ROLLER GEROTOR TYPE - All Motors are Reversible

Heavy duty roller gerotor motor has double 2-bolt oval flange mount SAE Type A for four 1/2" bolts for stronger and more versatile mounting.



Char-Lynn industrial 2-bolt flange mount for two 1/2" bolts on 4-3/16" bolt circle and 3-1/4" round pilot.



HEAVY DUTY DOUBLE 2-BOLT MOUNTING FLANGE

Table with columns: NEW TRW Ross Motor Number, Our Sequence Number, Price Per Piece, Approx. Disp. Cu. In., Char-Lynn Motor Number, OLD TRW Ross Motor Number, NEW TRW Ross Motor Number, Our Sequence Number, Price Per Piece, Approx. Disp. Cu. In., OLD TRW Ross Motor Number. Includes section: 2-Bolt A Mounting Flange - 1" Straight Keyed Shaft - 7/8" O-Ring Ports.

Table with columns: NEW TRW Ross Motor Number, Our Sequence Number, Price Per Piece, Approx. Disp. Cu. In., Char-Lynn Motor Number, OLD TRW Ross Motor Number, NEW TRW Ross Motor Number, Our Sequence Number, Price Per Piece, Approx. Disp. Cu. In., OLD TRW Ross Motor Number. Includes section: 2-Bolt A Mounting Flange - 1-1/4" Straight Keyed Shaft - 7/8" O-Ring Port.

Table with columns: NEW TRW Ross Motor Number, Our Sequence Number, Price Per Piece, Approx. Disp. Cu. In., Char-Lynn Motor Number, OLD TRW Ross Motor Number, NEW TRW Ross Motor Number, Our Sequence Number, Price Per Piece, Approx. Disp. Cu. In., OLD TRW Ross Motor Number. Includes section: 2-Bolt A Mounting Flange - 1" 6 Spline Shaft - 7/8" O-Ring Ports.

Table with columns: NEW TRW Ross Motor Number, Our Sequence Number, Price Per Piece, Approx. Disp. Cu. In., Char-Lynn Motor Number, OLD TRW Ross Motor Number, NEW TRW Ross Motor Number, Our Sequence Number, Price Per Piece, Approx. Disp. Cu. In., OLD TRW Ross Motor Number. Includes section: 2-Bolt A Mounting Flange - 1-1/4" 14 Spline Shaft - 7/8" O-Ring Ports.

Table with columns: NEW TRW Ross Motor Number, Our Sequence Number, Price Per Piece, Approx. Disp. Cu. In., Char-Lynn Motor Number, OLD TRW Ross Motor Number, NEW TRW Ross Motor Number, Our Sequence Number, Price Per Piece, Approx. Disp. Cu. In., OLD TRW Ross Motor Number. Includes section: 2-Bolt A Mounting Flange - 1-1/4" Taper Shaft - 7/8" O-Ring Ports.

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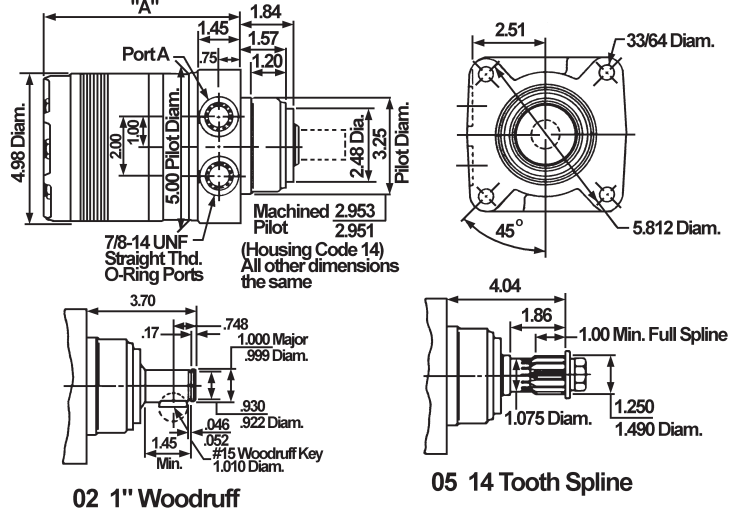
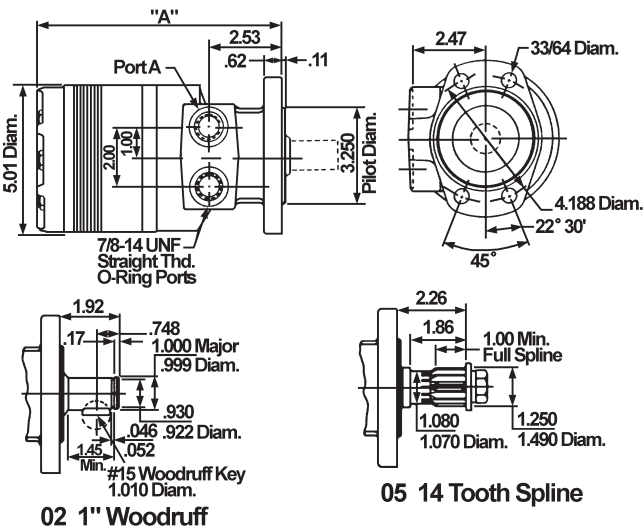
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# YOUR VERY HEAVY DUTY & WHEEL MOUNT HYDRAULIC MOTOR GUIDE

## TG Torqmotor Series Dimensions

**K9**



### Roller Stator - Two Needle Bearings and Two Needle Thrust Bearings

NEW Ross Motor Number	OLD Ross Motor Number	Similar to CharLynn &/or White	Max. PSI	Disp	Max. Torq	Max. Flow	RPM No Load	Max. Cont. PSI	At 5 GPM Max Cont. RPM	PSI HP	HP Max. Cont. GPM	PSI HP
TG0140MS030AAAA	ME 090103AAAA		4000	8.6	472.5	25	27	3000	124	6.75	2.10	2.74
TG0140US030AAAA	ME 090203AAAA		4000	8.6	472.5	25	27	3000	124	6.75	2.10	2.74
TG0140MS010AAAA	ME 090101AAAA		4000	8.6	472.5	25	27	3000	124	6.75	2.10	2.74
TG0140MS020AAAA	ME 090102AAAA		4000	8.6	472.5	25	27	3000	124	6.75	2.10	2.74
TG0140MS050AAAA	ME 090105AAAA		4000	8.6	472.5	25	27	3000	124	6.75	2.10	2.74
TG0140MS080AAAA	ME 090108AAAA		4000	8.6	472.5	25	27	3000	124	6.75	2.10	2.74
TG0195MS030AAAA	ME 120103AAAA	RE844	4000	12.1	6434	25	19	3000	87	6.75	3.00	3.90
TG0195US030AAAA	ME 120203AAAA		4000	12.1	6434	25	19	3000	87	6.75	3.00	3.90
TG0195MS010AAAA	ME 120101AAAA	RE842	4000	12.1	6434	25	19	3000	87	6.75	3.00	3.90
TG0195MS020AAAA	ME 120102AAAA	RE846	4000	12.1	6434	25	19	3000	87	6.75	3.00	3.90
TG0195MS050AAAA	ME 120105AAAA	RE845	4000	12.1	6434	25	19	3000	87	6.75	3.00	3.90
TG0195MS080AAAA	ME 120108AAAA	RE843	4000	12.1	6434	25	19	3000	87	6.75	3.00	3.90
TG0240MS030AAAA	ME 150103AAAA		4000	14.6	8154	25	16	3000	72	6.75	3.73	4.75
TG0240US030AAAA	ME 150203AAAA		4000	14.6	8154	25	16	3000	72	6.75	3.73	4.75
TG0240MS010AAAA	ME 150101AAAA		4000	14.6	8154	25	16	3000	72	6.75	3.73	4.75
TG0240MS020AAAA	ME 150102AAAA		4000	14.6	8154	25	16	3000	72	6.75	3.73	4.75
TG0240MS050AAAA	ME 150105AAAA		4000	14.6	8154	25	16	3000	72	6.75	3.73	4.75
TG0240MS080AAAA	ME 150108AAAA		4000	14.6	8154	25	16	3000	72	6.75	3.73	4.75
TG0280MS030AAAA	ME 180103AAAA	RE864	4000	17.7	9619	25	13	3000	61	6.75	4.40	5.50
TG0280US030AAAA	ME 180203AAAA		4000	17.7	9619	25	13	3000	61	6.75	4.40	5.50
TG0280MS010AAAA	ME 180101AAAA	RE862	4000	17.7	9619	25	13	3000	61	6.75	4.40	5.50
TG0280MS020AAAA	ME 180102AAAA	RE866	4000	17.7	9619	25	13	3000	61	6.75	4.40	5.50
TG0280MS050AAAA	ME 180105AAAA	RE865	4000	17.7	9619	25	13	3000	61	6.75	4.40	5.50
TG0280MS080AAAA	ME 180108AAAA	RE863	4000	17.7	9619	25	13	3000	61	6.75	4.40	5.50
TG0335MS030AAAA	ME 210103AAAA	RE874	4000	20.6	11,126	25	11	3000	49.25	6.50	5.49	6.77
TG0335US030AAAA	ME 210203AAAA		4000	20.6	11,126	25	11	3000	49.25	6.50	5.49	6.77
TG0335MS010AAAA	ME 210101AAAA	RE872	4000	20.6	11,126	25	11	3000	49.25	6.50	5.49	6.77
TG0335MS020AAAA	ME 210102AAAA	RE876	4000	20.6	11,126	25	11	3000	49.25	6.50	5.49	6.77
TG0335MS050AAAA	ME 210105AAAA	RE875	4000	20.6	11,126	25	11	3000	49.25	6.50	5.49	6.77
TG0335MS080AAAA	ME 210108AAAA	RE873	4000	20.6	11,126	25	11	3000	49.25	6.50	5.49	6.77
TG0475MS030AAAA	ME 290103AAAA	RE884	3000	29	12,013	30	8	2000	36	4.00	6.70	6.23
TG0475US030AAAA	ME 290203AAAA		3000	29	12,013	30	8	2000	36	4.00	6.70	6.23
TG0475MS010AAAA	ME 290101AAAA	RE882	3000	29	12,013	30	8	2000	36	4.00	6.70	6.23
TG0475MS020AAAA	ME 290102AAAA		3000	29	12,013	30	8	2000	36	4.00	6.70	6.23
TG0475MS050AAAA	ME 290105AAAA	RE885	3000	29	12,013	30	8	2000	36	4.00	6.70	6.23
TG0475MS080AAAA	ME 290108AAAA	RE883	3000	29	12,013	30	8	2000	36	4.00	6.70	6.23
TG0530MS030AAAA	ME 330103AAAA		2500	32.6	10,735	30	7	2000	31.75	4.00	7.75	6.90
TG0530US030AAAA	ME 330203AAAA		2500	32.6	10,735	30	7	2000	31.75	4.00	7.75	6.90
TG0530MS010AAAA	ME 330101AAAA		2500	32.6	10,735	30	7	2000	31.75	4.00	7.75	6.90
TG0530MS050AAAA	ME 330105AAAA		2500	32.6	10,735	30	7	2000	31.75	4.00	7.75	6.90
TG0530MS080AAAA	ME 330108AAAA	RE893	2500	32.6	10,735	30	7	2000	31.75	4.00	7.75	6.90
TG0785MS030AAAA	ME 480103AAAA	RE894	2000	48.1	11,789	30	5	1500	21.75	3.00	11.76	7.30
TG0785US030AAAA	ME 480203AAAA		2000	48.1	11,789	30	5	1500	21.75	3.00	11.76	7.30
TG0785MS050AAAA	ME 480105AAAA	RE895	2000	48.1	11,789	30	5	1500	21.75	3.00	11.76	7.30
TG0785MS080AAAA	ME 480108AAAA		2000	48.1	11,789	30	5	1500	21.75	3.00	11.76	7.30
TG0960US030AAAA	ME 580203AAAA		1500	58	10,954	30	4	1000	20	2.00	13.15	5.40
TG0960MS050AAAA	ME 580105AAAA		1500	58	10,954	30	4	1000	20	2.00	13.15	5.40
TG0960MS080AAAA	ME 580108AAAA		1500	58	10,954	30	4	1000	20	2.00	13.15	5.40

Other shaft options are available and normally in stock.

Prices subject to change without notice. **ASK FOR QUANTITY DISCOUNT**

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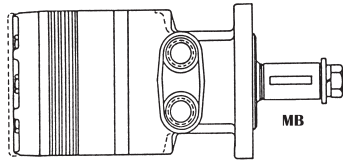
**BAUM HYDRAULICS CORPORATION**

**K10**

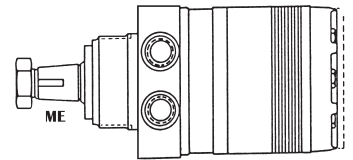
**TRW ROSS "TF/TG" SERIES  
WHEEL MOUNT MOTORS**

**VERY HEAVY DUTY WHEEL MOUNT 4-BOLT MOUNTING FLANGE**

All Motors are Reversible



Heavy-duty roller gerotor motor has 4-bolt square wheel mount flange for four 1/2" bolts or 5-13/16" bolt circle with 3-1/4" round pilot that fits DICO wheel hub. This wheel mount motor has 1-1/4" round shaft with straight key and heavy bearings. This wheel mount motor is best for overhung loads like sprockets, pulleys & wheel hubs because the outboard bearing is nearer end of shaft. Wt. 33 lbs.



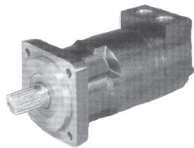
**Roller Stator - Both Have Two Needle Bearings and Two Thrust Bearings**

NEW TRW Ross Motor Number	Our Sequence Number	Price Per Piece	Approx. Disp. Cu. in.	OLD TRW Ross Motor Number	NEW TRW Ross Motor Number	Our Sequence Number	Price Per Piece	Approx. Disp. Cu. in.	OLD TRW Ross Motor Number
<b>Large 4-Bolt Mounting Flange - Wheel Mount - 1-1/4" Straight Shaft - 7/8" O-Ring Ports</b>									
TF0080US030AAAA	706856	\$900.99	5	MB 050203AAAA					
TF0100US030AAAA	706861	902.10	6	MB 060203AAAA					
TF0130US030AAAA	706866	1131.57	8	MB 080203AAAA					
TF0140US030AAAA	706867	936.90	9	MB 090203AAAA	TG0140US030AAAA	707356	\$1148.93	9	ME 090203AAAA
TF0170US030AAAA	706868	933.51	10	MB 100203AAAA	TG0170US030AAAA	707358	1187.02	10	ME 100203AAAA
TF0195US030AAAA*		....	12	MB 120203AAAA	TG0195US030AAAA	707361	1208.37	12	ME 120203AAAA
TF0240US030AAAA	706873	952.56	15	MB 150203AAAA	TG0240US030AAAA	707362	1275.26	15	ME 150203AAAA
-----	-----	....	18	MB 180203AAAA	TG0280US030AAAA	707366	1264.53	18	ME 180203AAAA
-----	-----	....	-----	-----	-----	-----	....	24	ME 240203AAAA
-----	-----	....	-----	-----	TG0530US030AAAA	707378	1669.54	33	ME 330203AAAA
-----	-----	....	-----	-----	TG0960US030AAAA	707381	2631.34	58	ME 580203AAAA

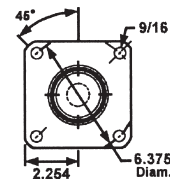
NEW TRW Ross Motor Number	Our Sequence Number	Price Per Piece	Approx. Disp. Cu. in.	OLD TRW Ross Motor Number	NEW TRW Ross Motor Number	Our Sequence Number	Price Per Piece	Approx. Disp. Cu. in.	OLD TRW Ross Motor Number
<b>Large 4-Bolt Mounting Flange - Wheel Mount - 1-1/4" Splined Shaft - 7/8" O-Ring Port</b>									
TF0080US050AAAA	706891	900.99	5	MB 050205AAAA					
TF0100US050AAAA	706893	966.75	6	MB 060205AAAA					
TF0130US050AAAA	706895	929.02	8	MB 080205AAAA					
TF0140US050AAAA	706896	936.90	9	MB 090205AAAA	TG0140US050AAAA	707417	1148.93	9	ME 090205AAAA
TF0170US050AAAA	706897	933.51	10	MB 100205AAAA	TG0170US050AAAA	707415	1187.02	10	ME 100205AAAA
TF0195US050AAAA	706900	934.60	12	MB 120205AAAA	TG0195US050AAAA	707418	1208.37	12	ME 120205AAAA
TF0240US050AAAA	706902	952.56	15	MB 150205AAAA	TG0240US050AAAA	707419	1255.55	15	ME 150205AAAA
TF0280US050AAAA	706905	959.34	18	MB 180205AAAA	TG0280US050AAAA	707421	1264.53	18	ME 180205AAAA
-----	-----	....	-----	-----	TG0335US050AAAA	707423	1275.69	21	ME 210205AAAA
TF0405US050AAAA	706911	1171.37	25	MB 250205AAAA	TG0405US050AAAA	707420	1391.29	24	ME 240205AAAA
-----	-----	....	-----	-----	TG0475US050AAAA	707424	1625.75	29	ME 290205AAAA

NEW TRW Ross Motor Number	Our Sequence Number	Price Per Piece	Approx. Disp. Cu. in.	OLD TRW Ross Motor Number	NEW TRW Ross Motor Number	Our Sequence Number	Price Per Piece	Approx. Disp. Cu. in.	OLD TRW Ross Motor Number
<b>Large 4-Bolt Mounting Flange - Wheel Mount - 1-1/4" Tapered Shaft - 7/8" O-Ring Ports</b>									
TF0080US080AAAA	706736	900.99	5	MB 050208AAAA					
TF0100US080AAAA	706741	902.10	6	MB 060208AAAA					
TF0130US080AAAA	706746	929.02	8	MB 080208AAAA					
TF0140US080AAAA	706747	936.90	9	MB 090208AAAA	TG0140US080AAAA*	707287	....	9	ME 090208AAAA
TF0170US080AAAA	706748	933.51	10	MB 100208AAAA	TG0170US080AAAA	707288	1187.02	10	ME 100208AAAA
TF0195US080AAAA	706751	1147.00	12	MB 120208AAAA	TG0195US080AAAA*	707289	....	12	ME 120208AAAA
-----	-----	....	15	MB 150208AAAA	TG0240US080AAAA	707291	1255.55	15	ME 150208AAAA
-----	-----	....	18	MB 180208AAAA	TG0280US080AAAA*	707293	....	18	ME 180208AAAA
TF0405US080AAAA	706762	1171.37	25	MB 250208AAAA	TG0405US080AAAA	707296	1520.67	24	ME 240208AAAA
-----	-----	....	-----	-----	TG0475US080AAAA	707297	....	29	ME 290208AAAA
-----	-----	....	-----	-----	TG0530US080AAAA	707299	1669.54	33	ME 330208AAAA
-----	-----	....	-----	-----	TG0785US080AAAA*	707301	....	48	ME 480208AAAA
-----	-----	....	-----	-----	TG0960US080AAAA*	707302	....	58	ME 580208AAAA

\* Special Order From Factory-Call for Price



**NEW TRW ROSS TK SERIES MOTOR**



Part Number	Our Sequence Number	Per Each	Similar to Eaton Number	Disp. (cu. in.)	Cont. PSI	Peak PSI	Torq at Cont. PSI & RPM	Torq at Peak PSI & RPM	GPM Cont. Flow	GPM Max. Flow	RPM at Cont. Flow	RPM at Max. Flow
<b>1-1/2" ROUND 4 BOLT WITH 1-5/16 ORING PORTS</b>												
TK0250K5320AAB	707982	\$1712.23	112-1065	15.3	3500	4750	7204	9234	30	35	453	523
TK0315K5360AAB	707984	1745.84	112-1066	19.2	3500	4750	9105	11625	30	35	361	413
TK0400K5320AAB	707986	2253.51	112-1067	24.4	3000	4750	10201	13484	30	40	284	373
TK0500K5320AAB	707988	2090.32	112-1068	30.5	3000	4750	12736	16940	30	40	227	298
TK0630K5320AAB	707990	2135.20	112-1107	38.4	3000	4750	14313	15187	30	40	241	237
TK1000K5320AAB	707992	2666.98	112-1069	61.0	2500	4750	21360	23540	40	60	151	218
<b>1-1/2" - 17 SPLINE 4 BOLT WITH 1-5/16 ORING PORTS</b>												
TK0250K5360AAB	707983	1712.23	112-1059 / 113-1071	15.3	3500	4750	7204	9234	30	35	453	523
TK0315K5360AAB	707985	1745.84	112-1060 / 113-1072	19.2	3500	4750	9105	11625	30	35	361	413
TK0400K5360AAB	707987	1795.21	112-1061 / 113-1073	24.4	3000	4750	10201	13484	30	40	284	373
TK0500K5360AAB	707989	2090.32	112-1062 / 113-1074	30.5	3000	4750	12736	16940	30	40	227	298
TK0630K5360AAB	707991	2135.20	112-1109 / 113-1093	38.4	3000	4750	14313	15187	30	40	241	237
TK1000K5360AAB	707993	2666.98	112-1063 / 113-1075	61.0	2500	4750	21360	23540	40	60	151	218

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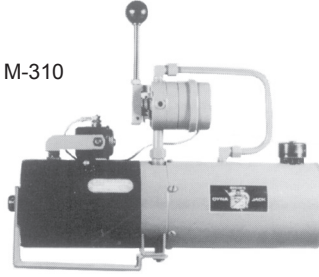
# DC 12 VOLT MONARCH HYDRAULIC POWER UNITS

**500 SERIES SNOW PLOW UNITS & SNOW PLOW SINGLE-ACTING CYLINDERS**

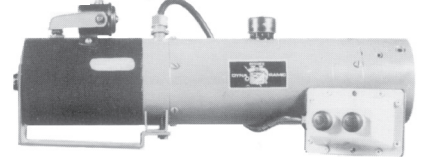
M-303



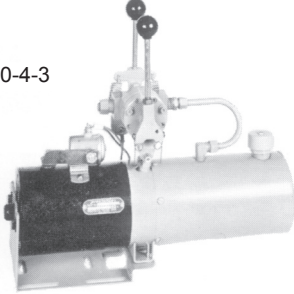
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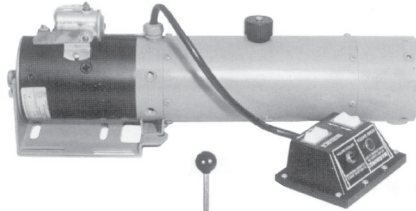
M-642



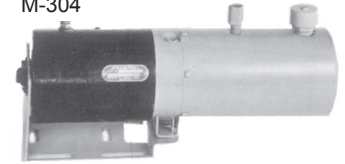
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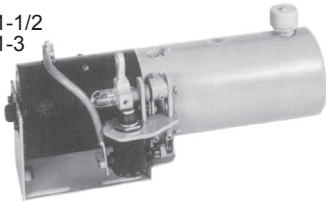
M-683



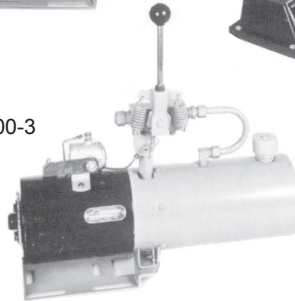
M-304



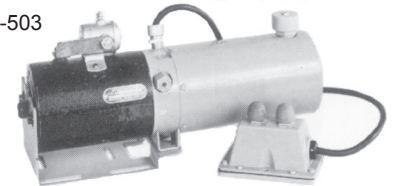
M-301-1/2  
M-301-3



M-500-3



M-503



## DC 12 VOLT HYDRAULIC POWER UNITS and SOLENOIDS\*

\*SOLENOIDS ARE **NOT** RETURNABLE

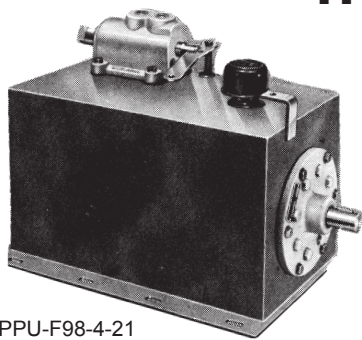
POWER UNIT							SOLENOID								
Part Number	Our Sequence Number	Price Per Piece	Pump Gear Width Inches	Tank Cap. Gallons	Tank Size, Ins. Ht. x Wt. x Length	Wt. Lbs.	Part Number	Our Sequence Number	Price Per Piece	At 1000 PSI Pressure Output GPM	At 1000 PSI Pressure Amps. Used	At 1500 PSI Pressure Output GPM	At 1500 PSI Pressure Amps. Used	At 2000 PSI Pressure Output GPM	At 2000 PSI Pressure Amps. Used
<b>Pump &amp; Motor with LARGE Tank with 3-way Single-Acting Push-button Operated Solenoid Valve with Cable &amp; Push-button for Gooseneck Hoists, Truck Hoists &amp; Transportation of Farm Implements Can change PSI set screw with locknut. Turn 1 turn for 3000 PSI</b>															
M-303	177676	\$1362.37	3/8	3	10x8x33	35	17757	177608	\$49.28	1-5/8	130	1-1/3	160	3/4	195
<b>Pump &amp; Motor with Tank with 4-way Double-Acting Manual Valve for Tailgates &amp; General Use</b>															
M-310	177678	911.68	3/8	1/2	4-1/2 Rdx10	30	03336	177602	95.84	1-5/8	130	1-1/3	160	3/4	195
<b>Pump &amp; Motor with Tank with 4-way Double-Acting Push-button Operated Solenoid Valve with Six Foot Cable to Push-button for Tailgates, Fork-Lifts, &amp; General Use</b>															
M-642	177687	2265.59	5/16	1/2	4-1/2 Rdx10	35	17757	177608	49.28	1-7/8	115	1-3/8	140	1-1/8	160
<b>Pump &amp; Motor with Tank with 2-way Single-Acting &amp; 4-way Double-Acting Manual Valve for One Single-Acting &amp; One Double-Acting Cylinder OR One Single-Acting &amp; Two Single-Acting Reciprocating Cylinders</b>															
<b>M-500-4-3 w/ SMALL Tank is Standard Snow Plow Pump for Light to Heavy Snow Plows w/ Power Reverse</b>															
M-500-4-3	177684	....	1/4	1/2	4-1/2 Rdx10	35	17744	177606	49.28	1-5/8	130	1-1/3	160	3/4	195
<b>Pump Motor with Tank with 3-way Single-Acting &amp; 4-way Double-Acting Push-button Operated Solenoid Valve for One Single-Acting &amp; One Double-Acting Cylinder OR One Single-Acting &amp; Two Single-Acting Reciprocating Cylinders with Cross Over Relief and with Six Foot Cable with Push-button Control for Raising &amp; Lowering &amp; Angling Snow Plows</b>															
M-683	177689	1430.86	5/16	1/2	4-1/2 Rdx10	35	03427	-----	....	1-7/8	115	1-3/8	140	1-1/8	160
<b>Pump &amp; Motor with Tank without Valve</b>															
M-304	177677	602.15	3/8	1/2	4-1/2 Rdx10	30	17757	177608	49.28	2-1/8	130	1-1/3	160	7/8	195
<b>Pump &amp; Motor with SMALL Tank with 3-way Single-Acting Manual Valve for Tailgate Lifts, Pick-up Truck Hoists &amp; Fork-Lifts</b>															
<b>M500-3 is Standard Snow Plow Pump on all Light to Heavy Duty Snow Plows</b>															
M-301-1/2	177669	626.28	3/8	1/2	4-1/2 Rdx10	30	03322	177600	107.38	1-5/8	130	1-1/3	160	3/4	195
M-500-3	177682	668.27	3/8	1/2	4-1/2 Rdx10	35	03336	177602	95.84	1-5/8	130	1-1/3	160	3/4	195
<b>Pump &amp; Motor with LARGE Tank with 3-way Single-Acting Manual Valve M-301-3 for Gooseneck Hoists, Truck Hoists &amp; Transportation of Farm Implements</b>															
M-301-3	177674	1368.00	3/8	3	6-1/4x7x21	35	03322	177600	107.38	1-5/8	130	1-1/3	160	3/4	195
<b>Pump &amp; Motor with SMALL Tank with 3-way Single-Acting Push-button Operated Solenoid Valve with Cable &amp; Push-button Standard Snow Plow Pump for all Light to Heavy Duty Snow Plows</b>															
M-503	177686	827.84	3/8	1/2	4-1/2 Rdx10	35	03336	177602	95.84	1-5/8	130	1-1/3	160	3/4	195

Prices subject to change without notice. **ASK FOR QUANTITY DISCOUNT**

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 Fax: 1-800-832-2522 / www.baumhydraulics.com / © Baum Hydraulics Corporation

**BAUM HYDRAULICS CORPORATION**

# HIGH PRESSURE POWER UNITS WITH PISTON PUMPS HYDRAULIC POWER PACKAGES



PPU-F98-4-21  
PPU-F98-3-21  
PPU-D58-6-21

**Power Unit with Valve on Top**

Integral Power Package Includes pump, valving, reservoir, oil filter & relief valve.

USE: To operate high pressure hoists or a high pressure shop hydraulic press or a high pressure cylinder. For power take-off speed from 300 RPM to 800 RPM for 50 models and 300 RPM to 1000 RPM for all other models. These pumps are very efficient at high pressure operations.

The power units are a complete power package with built-in relief valve, tank, filter and control valve. Remote control ten foot cables are available. Each of the four pump sizes is in a different size tank. The two piston pump is for 3500 PSI operation, and the four and eight piston pumps are for 2500 PSI operation. Rotation either direction. Shaft size 1 inch round for JH 38 adapter. Without valve handle.

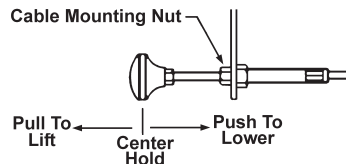
**WILLIAMS - PUMP ONLY**

Part Number	Our Sequence Number	Price Per Piece
H98	177817	\$1013.73

**BREATHER CAP FOR WILLIAMS**

Part Number	Our Sequence Number	Price Per Piece
1013	177816	\$7.35

**CABLE CONTROL UNITS for DASH BOARD**  
See Page W2 for PTO Cables



Power Unit Number	Our Sequence Number	Price Per Piece	Control Valve Type	Gallons Output & Horsepower Input							
				550 RPM GPM Output	550 RPM HP Input	1000 RPM GPM Output	1000 RPM HP Input	1600 RPM GPM Output	1600 RPM HP Input	1800 RPM GPM Output	1800 RPM HP Input
Small Size 3500 PSI Two Piston Power Unit & 7 Quart Reservoir											
PPU-20-4-7	178181	\$897.41	With Double-Acting Valve	1	2	2	4	--	--	--	--
PPU-20-3-7	178182	806.64	With Single-Acting Valve	1	2	2	4	--	--	--	--
Medium Size 2500 PSI Four Piston Power Unit & 15 Quart Reservoir											
PPU-40-4-15	177988	1945.75	With Double-Acting Valve	2	3	4	6	--	--	--	--
PPU-40-3-15	178048	1640.92	With Single-Acting Valve	2	3	4	6	--	--	--	--
Large Size 2500 PSI Eight Piston Power Unit & 21 Quart Reservoir											
PPU-F98-4-21	178114	2320.41	With Double-Acting Valve	4	8	8	15	--	--	--	--
PPU-F98-7-21	178179	2340.36	With Single-Acting Valve	4	8	8	15	--	--	--	--
High Speed Large Size 2500 PSI Eight Piston Power Unit & 21 Quart Reservoir											
PPU-D58-6-21	178180	3072.89	With Double-Acting Valve	1.7	2.7	3.3	5.3	5.2	8.3	5.9	9.5

**SPECIFICATIONS**

Power Unit Number	Replacement Pump	Weight Pounds	Port Size Inches	Capacity Quarts	RESERVOIR SIZE		
					Length Inches	Width Inches	Height Inches
PPU-20-4-7	Model 20	40	3/8	4.7	8	8-1/4	8-3/8
PPU-20-3-7	Model 20	40	3/8	4.7	8	8-1/4	8-3/8
PPU-40-4-15	Model 40	53	3/8	7	15-3/8	8-1/4	8-3/8
PPU-40-3-15	Model 40	53	3/8	7	15-3/8	8-1/4	8-3/8
PPU-F98-4-21	Model F98	76	3/8	13.7	17-3/4	9	10
PPU-F98-3-21	Model F98	78	1/2	13.7	17-3/4	9	10
PPU-D58-6-21	Model D58	80	3/8	13.7	17-3/4	9	10

APPROXIMATELY 3-1/2" TO HEIGHT WITH VALVE

## AUTOMATIC "HIGH-LOW" HYDRAULIC SYSTEM

Ideal for Log Splitter and Shop Press - Automatic Two-Stage Hydraulic Pump Unit - DO NOT RUN UNIT OVER 1800 RPM

### LOG SPLITTER UNIT

**SPECIFICATIONS:**

Maximum Pressure: Reservoir Capacity: 21 quarts  
Log Splitter Unit - Set at 2500 PSI Control Valve: 4-way  
Shop Press Unit - Set at 5000 PSI Shaft Size: 1" Round

Pump produces 6 GPM at 1800 RPM. This provides fast cylinder speed at pressures up to 650 PSI and requires only 2-1/2 HP. When the cylinder load raises the pressure above 650 PSI, the Pilot Unloading Valve will automatically cut out 75% of the oil flow. At this point (1-1/2 GPM), the pump will produce up to 2500 PSI and still require only 2-1/2 HP. When the pressure demand drops, the pump will automatically resume 6 GPM flow.

Minimum Power Source: 2-1/2 HP Electric; 5 HP Gasoline, with speed reduced to 1800 RPM.

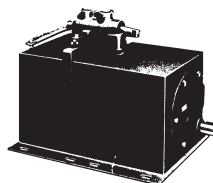
Part Number	PSI	Wt. Lbs.	Our Sequence Number	Price Per Piece
PPU-D58X-4E-21	2500	77	177920	\$1288.52

**Log Splitter Unit with Pressure Operated Detent**

The valve features an automatic return to neutral pressure-operated detent in the return position of the valve.

PPU-D58X-6K-21	2500	81	-----	....
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### SHOP PRESS UNIT



This unit provides the complete system

1. Split Flow Piston Pump
2. Oil Reservoir
3. Directional Control Valve
4. High Pressure Relief Valve
5. Low Pressure Relief Valve
6. Pilot Unloading Valve
7. High Pressure Check Valve

This unit is designed to develop maximum working pressure, but requires only 1/4 the horsepower that a standard hydraulic pump would require at the same working pressure.

Pump produces 6 GPM at 1800 RPM. This provides fast cylinder speed at pressures up to 1250 PSI and requires only 5 HP. When the cylinder load raises the pressure above 1250 PSI, the Pilot Unloading Valve will automatically cut out 75% of the oil flow. At this point (1-1/2 GPM), the pump will produce up to 5000 PSI and still require only 5 HP. When the pressure demand drops, the pump will automatically resume 6 GPM flow.

Minimum Power source: 5 HP Electric; 10 HP Gasoline motor.

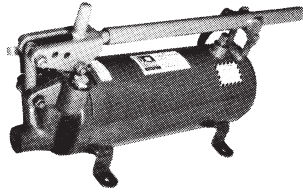
Part Number	PSI	Wt. Lbs.	Our Sequence Number	Price Per Piece
PPU-D58X-6-21	5000	83	177925	\$3914.66

**ASK FOR QUANTITY DISCOUNT** Prices subject to change without notice.

# TRI-POWER HAND PUMP

**K13**

## TRI-POWER HAND PUMP FOR SINGLE AND DOUBLE ACTING CYLINDERS



For double-acting cylinders, use Williams detented 4-way valve. The three position, quick change fulcrum gives these flow pressure characteristics:

- Displacement 1-1/4 cu. in. per stroke at 1500 PSI.
- Displacement 1 cu. in. per stroke at 2000 PSI.
- Displacement 2/3 cu. in. per stroke at 3000 PSI.

Based on applied force of 65 lbs. on handle. Replaceable valve seats. Pump can be mounted in vertical or horizontal position. Reservoir capacity, 1 gallon. Breather plug. Ports are 3/8 inch pipe thread. Wt. 30 lbs.

Part Number	Description	Our Sequence Number	Price Per Piece
PMHP-10B	Tri-Power Hand Pump	103788	<b>\$938.50</b>
PMCK-PMHP10	Seal Kit for PM-HP10	EE2145	<b>36.13</b>

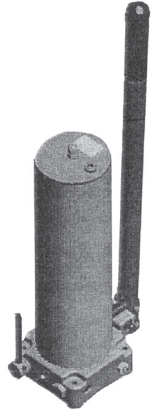
## HAND PUMP

### SPECIFICATIONS:

- Volume Displacement 1.20 inch full cycle
- Tank size 95 inches
- Pressure rating: 2000 PSI
- Outlet Port Size: #6 SAE (9/16-18)
- Filler Port Size 1/4" NPT

Optional horizontal mounting brackets allows for horizontal handle actuation.

Part Number	Description	Our Sequence Number	Price Per Piece
HP121DA95	Hand Pump	176050	<b>\$563.93</b>



## PRINCE STANDARD GEROTOR MOTORS LOW SPEED - HIGH TORQUE

**Features:** High-torque, low speed with gerotor  
Instantly reversible by reversing the flow  
Cross-over for many popular models in the market  
1.0" keyed shaft  
4 bolt flange  
1/2 NPTF ports



**Applications:** Use the CMM series for light to medium duty applications such as grain augers and elevators, slat and sand spreaders, car wash and sweeper brushes, conveyors, winches, scissor lifts, and many others. To assure optimum motor life, run motor for approximately one hour at 30% of rated pressure before application of full load.

Motor Number	Our Sequence Number	Per Each	Displacement IN <sup>3</sup> /REV	Maximum Pressure PSI		Maximum Speed RPM		Wt. Lbs.
				Continuous	Intermittant	Continuous	Intermittant	
<b>CMM50-4RP</b>	100729	<b>\$298.93</b>	3.0	1400	2200	800	1000	12.8
<b>CMM100-4RP</b>	100730	<b>309.67</b>	6.1	1300	2000	600	750	13.4
<b>CMM200-4RP</b>	100731	<b>348.55</b>	12.2	1200	1800	300	400	14.5
<b>CMM300-4RP</b>	100732	<b>268.83</b>	17.9	1000	1600	200	250	15.5
<b>CMM400-4RP</b>	100733	<b>433.64</b>	24.4	900	1300	125	160	16.7

### MOTOR CROSS REFERENCE

Shaft	Ports	Motor Brand	DISPLACEMENT CU. IN./REV.				
			2.9	6.1	11.7	17.5	23.4
4 Bolt Flange Mounting	Woodruff Keyed	Prince	CMM50-4RP	CMM100-4RP	CMM200-4RP	CMM300-4RP	CMM400-4RP
		Charlyn H	101-1001	101-1003	101-1005	101-1007	101-1008
		Danfoss DH	151-2121	151-2123	151-2126	151-2128	151-2129
		TRW Ross	MG061313	MG061313	MG121313	MG181313	MG201313

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**BAUM HYDRAULICS CORPORATION**

# HOW TO SELECT YOUR TRW ROSS TORQMOTORS HIGH TORQUE LOW SPEED MOTORS

Use **STANDARD** Gerator Motor for 1000 PSI to 2000 PSI Pressure.  
Use **MEDIUM** Gerator Motor for 1000 PSI to 2500 PSI Pressure.

Use **HEAVY** Gerator Motor for 1000 PSI to 3000 PSI Pressure.  
Use **EXTRA-HEAVY** Gerator Motor for 1000 PSI to 4000 PSI Pressure.

Maximum pressure should be considered extreme usage and for short duration.  
The numbers indicate first, second, and third choice motor for the machine you want to drive depending upon your tractors oil output.  
**REMEMBER** that your **TRACTOR** provides the **HORSEPOWER** to drive the motor.

The **DIFFERENT SIZE MOTORS** only turn that **HORSEPOWER** into **MORE TORQUE & LESS SPEED** or **LESS TORQUE & MOTOR SPEED** and just act like a **GEARBOX** and **YOU** are **CHOOSING THE GEAR RATIO**.  
Flow in gallons per minute gives you the speed; pressure in PSI gives you the torque. Torque times speed divided by 63025 gives you horsepower. Torque is nearly constant over the pressure range. The Torque is generally 15 to 20% less starting than running. If possible you should start empty (unloaded) and then load the motor.

- TG0960 - LIMIT TOP PRESSURE TO 1000 PSI**
- TF0360 - LIMIT TOP PRESSURE TO 1500 PSI**
- TE0330, TE0295, TE0260, TB0296, TB0260 - LIMIT TOP PRESSURE TO 1200 PSI**

TRW Very Heavy Duty	TRW Heavy Duty	TRW Med. Duty	TRW Std. Duty	Speed Per Gal. at Cont. Rate PSI & RPM per GPM	In Lbs. Torque Per 100 PSI	Under Load Appx. Max. Speed RPM	4' Augers Up to 30 Feet	5' Augers Up to 30 Feet	6' Augers Up to 40 Feet	6' Augers Up 40 Feet to 60 Feet	7' Augers Up to 30 Feet	Elevators with Speed Jack Up to 60 Feet	Elevators with Boot Shaft	Combine Discharge Auger	Blender Mixer	Bale Conveyor	Sprayer Pumps	Post Hose Digger with 9" Auger	Unloader Wagon	Drill Fill Auger	
TG0960				4	691	76															
TG0785				4	582	76															
TG0530				6	416	127															
TG0475				7	366	145															
TG0335				10	278	197															
	TF0360			10	276	200															
		TE0330		11	212	164															
			TB0330	11	213	132															
TG0280				12	235	245															
		TE0295		12	190	186													3		
			TB0295	12	203	149													2		
	TF0280			13	219	257													1		
		TE0260		14	169	206															
			TB0260	14	182	164															
TG0240				14	200	288															
	TF0240			15	189	301															2
			TB0230	16	170	189															
		TE0230		16	159	243															
TG0195				17	157	349															
		TE0195		18	149	216															
			TB0195	18	145	219															
	TF0195			18	175	275															1
	TF0170			21	133	315									1						
		TE0165		22	127	259									1						
			TB0165	22	123	263									1						
TG0140				25	115	494				3	3										
	TF0140			26	110	368				3	3		3	3			3				
		TE0130		27	101	320				3	3	2									
			TB0130	27	99	324				3	3	2									
	TF0130			29	99	427	3	3	2	2	1	2	2	2							
		TE0100		35	73	421	3	3	2	2	1			1		2					
			TB0100	36	72	430	3	2	2	1	1			1				2			
	TF0100			36	77	540	3	2	1	1		1	1			1					3
	TF0080			40	64	476	3	2	1	1											
			TB0080	42	61	375	3	2	1												
		TE0080		42	60	501	2	1	1									1			
		TE0065		55	47	660	2	1													2
			TB0065	55	47	497	2	1													
		TE0050		69	36	624	1	1													
			TB0050	71	35	637	1	1													
		TE0045		77	29	690	1														1
			TB0045	79	28	712	1														

**ASK FOR QUANTITY DISCOUNT** Prices subject to change without notice.



# COMMERCIAL & TYRONE ELECTRIC CLUTCH FAN BELT PUMPS & DRIVE LINE PUMPS

ORDER PUMP, CLUTCH, and CLUTCH FOOT MOUNT SEPARATELY



**COMMERCIAL PUMP + FOOT MOUNT + CLUTCH = COMPLETE UNIT**

How to order: Choose Pump + Adapter Plate (if Tyrone) or Foot Mount (if Commercial) + Clutch

P20 and CP16 Series for Electric Fan Belt 12 Volt Clutch For "A" Belts

Clockwise or Right Hand Rotation LOOKING at the Sheave. ROTATION IS THE RESPONSIBILITY OF THE CUSTOMER.

It is recommended that you use the optional outboard bearing and snap ring on our P20 clutch pumps ONLY.

Tyrone With Pipe Side Ports in Port End Cover Pump ONLY Part Number	Max. Pres- sure PSI	Commercial Only Pump Part Number	Our Sequence Number	Commercial Price Per Piece	Cubic Inch Per Rev.	Max. Speed RPM	Max. Pres- sure PSI	Gallons Output & Horsepower Required at Maximum Pressure					
								1200 RPM Speed		1800 RPM Speed		2400 RPM Speed	
								GPM OutPut	HP InPut	GPM OutPut	HP InPut	GPM OutPut	HP InPut
<b>CLOCKWISE STANDARD DUTY CLUTCH</b> rated at 90 Foot Pounds of Torque Clutch Face Points to Front of Engine								<b>USE CLUTCH D-7</b> Sequence # 589100 <b>\$566.98</b>					
CP16-045-C	3000	<b>P315A195UNAB0756</b>	J06400	<b>\$450.10</b>	.940	3000	3500	4.5	10.5	6.8	15.7	9	21.0
CP16-065-C	2500	<b>P20A694MEAB07-32</b>	J06310	<b>CALL</b>	1.478	2400	2500	6.75	10.3	10.5	15.4	14.25	20.6
CP16-085-C	1700	<b>P20A694BEIJ10-32</b>	-----	-----	1.970	2400	1700	9	10.5	13.5	15.7	18	21.0
CP16-115-C	1400	<b>P20A694BEIJ12-32</b>	J01812	<b>577.68</b>	2.463	2400	1400	11.5	10.6	16.5	15.8	22	21.1
CP16-150-C	1100	<b>P20A694BEYJ15-32</b>	J05605	<b>593.87</b>	2.955	2400	1100	14	10.6	21	15.8	28	21.1
CP16-180-C	1000	<b>P20A694BEYJ17-32</b>	J01912	<b>CALL</b>	3.448	2400	1000	16	11.0	24	16.5	32	21.9
CP16-200-C	900	<b>P20A694BEYL20-32</b>	J06350	<b>586.58</b>	3.940	2400	900	18.5	11.1	27	16.7	36	22.2
<b>27436 Adapter</b>		Foot Mount Bracket Number	<b>308-0001-002</b>		974800								<b>\$134.16</b>

<b>CLOCKWISE MEDIUM DUTY CLUTCH</b> rated at 120 Foot Pounds of Torque Clutch Face Points to Front of Engine								<b>USE CLUTCH P-5</b> Sequence # 589110 <b>\$676.42</b>					
CP16-045-C	3000	<b>P315A195UNAB0756</b>	J06400	<b>450.10</b>	.940	3000	3500	4.5	10.5	6.8	15.7	9	21.0
CP16-065-C	3000	<b>P20A694MEAB07-32</b>	J06310	<b>CALL</b>	1.478	2400	3000	6.75	12.3	10.5	18.5	14.25	24.7
CP16-085-C	2200	<b>P20A694BEIJ10-32</b>	J05108	-----	1.970	2400	2200	9	13.6	13.5	20.4	18	27.2
CP16-115-C	1800	<b>P20A694BEIJ12-32</b>	J01812	<b>577.68</b>	2.463	2400	1800	11.5	13.6	16.5	20.4	22	27.2
CP16-150-C	1400	<b>P20A694BEYJ15-32</b>	J05605	<b>593.87</b>	2.955	2400	1400	14	13.4	21	20.2	28	26.9
CP16-180-C	1250	<b>P20A694BEYJ17-32</b>	J01912	<b>CALL</b>	3.448	2400	1250	16	13.7	24	20.6	32	27.4
CP16-200-C	1100	<b>P20A694BEYL20-32</b>	J06350	<b>586.58</b>	3.940	2400	1100	18.5	13.6	27	20.4	36	27.2
<b>27436 Adapter</b>		Foot Mount Bracket Number	<b>308-0001-002</b>		974800								<b>\$134.16</b>

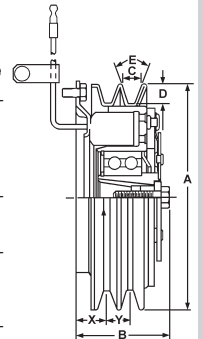
<b>COUNTER-CLOCKWISE HEAVY DRIVE LINE CLUTCH</b> rated at 200 Foot Pounds of Torque Clutch Face Points to Rear of Engine								<b>USE CLUTCH H-1</b> Sequence # 589120 <b>\$2490.47</b>					
CP16-045-C	3000	<b>P315A195UNAB0756</b>	J06400	<b>\$450.10</b>	.940	3000	3500	4.5	10.5	6.8	15.7	9	21.0
CP16-045-A	3000	<b>P315A195UNAB0756</b>	J06400	<b>450.10</b>	.940	3000	3500	4.5	10.5	6.8	15.7	9	21.0
CP16-065-A	3000	<b>P20A694MEAB07-32</b>	J06310	<b>CALL</b>	1.478	2400	3000	6.75	12.3	10.5	18.5	14.25	24.7
CP16-085-A	3000	<b>P20A694BEIG10-32</b>	J05110	-----	1.970	2400	3000	9	18.5	13.5	27.8	18	37.0
CP16-115-A	3000	<b>P20A694BEIG12-32</b>	J01813	<b>577.68</b>	2.463	2400	3000	11.5	22.6	16.5	34.0	22	45.3
CP16-150-A	2400	<b>P20A694BEYG15-32</b>	J05605	<b>593.87</b>	2.955	2400	2400	14	23.0	21	34.6	28	46.1
CP16-180-A	2100	<b>P20A694BEYG17-32</b>	J018135	<b>588.20</b>	3.448	2400	2100	16	23.0	24	34.6	32	46.1
CP16-200-A	1900	<b>P20A694BEYL20-32</b>	J06350	<b>586.58</b>	3.940	2400	1900	18.5	23.5	27	35.2	36	46.9
		Foot Mount Bracket Number	<b>308-0001-002</b>		974800								<b>\$134.16</b>

**Outboard Bearing Number 391-0381-040 975750 \$46.23 Snap Ring Number 391-2686-063 975905 \$1.87**

**PLEASE NOTE:** Careful break-in of the clutch unit will enable the clutch to carry its full load and will give much improved life. To break in the clutch, after installing the unit, ready to go, full of oil, start it up without any load and switch the clutch in and off repeatedly about 100 times. Each morning before working the unit, switch it on and off about 10 to 20 times without any load on it. This will allow the clutch to transmit the maximum torque. To develop full Torque the Clutch must have 12 volts minimum. Be sure your wiring is heavy duty to prevent voltage drop.

## ELECTRIC CLUTCHES FOR 4:1 TAPER SHAFT PUMPS

Clutch Number	Our Sequence Number	Per Each	Rotation	Voltage (DC)	A	X	Y	B	C	E Degrees	Belt Groove Type	Current Draw Amps	Resistance Ohms	Gage Line	Static Torque L.b Ft.
<b>VEE BELT CLUTCH FOR 4:1 TAPER SHAFT PUMPS &amp; TWO A BELTS</b>															
<b>P-5</b>	589110	<b>\$676.42</b>	CW	12	6.70	.87	.62	2.54	.50	36	2-A	4.95	2.423	.841	120
<b>D-12</b>	589105	<b>453.99</b>	CW	12	6.00	.87	.62	2.54	.50	36	2-A	4.95	2.428	.841	90
<b>D-7</b>	589100	<b>566.98</b>	CW	12	7.12	.91	.62	2.54	.50	36	2-A	4.36	2.752	.841	90
<b>200 FT-LB DRIVELINE CLUTCH FOR 4:1 TAPER SHAFT PUMPS &amp; YOKE</b>															
<b>H-1</b>	589120	<b>2490.47</b>	CCW	12				3.72				4.58	2.620		200
<b>120 FT-LB WARNER CLUTCH WITH SERPENTINE GROOVES</b>															
<b>1417-11</b>	589130	<b>687.92</b>	CW	12				5.75			6				120
<b>1417-42</b>	589140	<b>843.43</b>	CW	12				6.00			8				100



**HEAVY DUTY** Clutches have a double row bearing. **STANDARD DUTY** Clutches have a single row bearing.

**ASK FOR QUANTITY DISCOUNT** Prices subject to change without notice.



# COMMERCIAL HIGH PERFORMANCE DUMP PUMPS

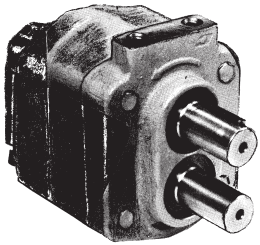
**K17**



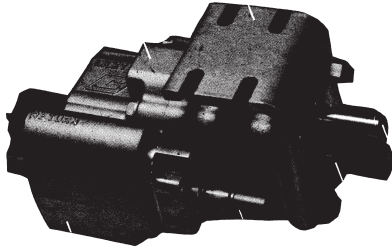
MOUNTING BRACKET SOLD SEPARATELY

Dual Shaft  
1" Round Shaft  
for PTO Drive

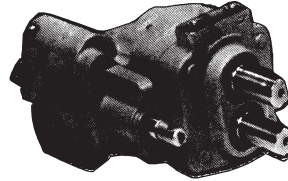
4 Bolt Type B  
4" Round Pilot  
5" Bolt Circle  
7/8"-13 Spline  
Single Shaft



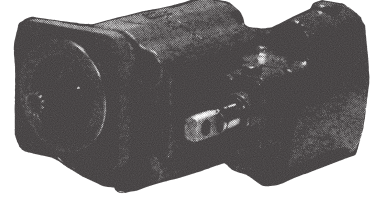
**C151-20**



**C101D-20  
C101D-25**



**G101-2-15  
G101-2-20**



**G102-2-15\*  
G102-2-20\*  
C102D-20-1\*  
C102D-25-1\***

TO CHANGE ROTATION on G102 and C102 rotate the gear housing 180° & rotate the valve body 180°. You do not have to rotate the thrust plates in the G102 and C102 as they are bi-rotation thrust plates but be careful not to lose the pocket seal pieces on the back side of them.

Part Number	Our Sequence Number	Price Per Piece	Shaft	Left Port and Right Port	Port Location	Rotation	Max. Speed RPM	Max. Pressure PSI	Gallons Output & Horsepower Required at 2000 PSI			
									1200 RPM		1800 RPM	
									GPM OutPut	HP InPut	GPM OutPut	HP InPut
<b>DOUBLE SHAFT REFUSE PUMP FOR HEIL</b>												
<b>C151-2.0</b>	J20615	<b>\$997.82</b>	1-1/8 RD	24P12S	Rear	Both	2400	2000	25.0	30.0	38.0	45.0

### MEDIUM SERIES DUMP PUMP

Medium series cast iron roller bearing dump pump - 2 (for intermittent operation only) or 3 (for intermittent or continuous operation) line plumbing hookup. Flows 19 to 39 GPM depending on pump RPM. Pressures to 2500 PSI. Speeds up to 2400 RPM. Either dual shaft (1" round) for PTO drive or single shaft. For direct mount (2 or 4 bolt B and 7/8-13 spline shaft.) Three-way three position control valve with built in relief set at 2000 PSI. G101 and G102 Relief is shim adjustable. Relief shims are in stock.

Dump Pump Part Number	Our Sequence Number	Price Per Piece	Max. Speed RPM	Max. Pressure PSI	Wt. Lbs.	Cubic Inch Per Revolution	Gallons Output & Horsepower Required at 2000 PSI					
							1200 RPM		1800 RPM		2400 RPM	
							GPM OutPut	HP InPut	GPM OutPut	HP InPut	GPM OutPut	HP InPut
<b>G101-1-1.5</b>	J20160	<b>\$744.91</b>	2400	2500	35	2.96	14.0	16.0	21.0	25.0	28.0	33.0
<b>G101-1-20</b>	J20170	<b>1269.37</b>	2400	2500	38	3.94	19.0	22.0	29.0	34.0	39.0	46.0
<b>G102-2-15R*</b>	J20400	<b>693.28</b>	2400	2500	35	2.96	14.0	16.0	21.0	25.0	28.0	33.0
<b>G102-2-15L*</b>	J20404	<b>693.28</b>	2400	2500	35	2.96	14.0	16.0	21.0	25.0	28.0	33.0
<b>G102-1-20R*</b>	J20422	<b>606.74</b>	2400	2500	38	3.94	19.0	22.0	29.0	34.0	39.0	46.0
<b>G102-1-20L*</b>	J20423	<b>997.93</b>	2400	2500	38	3.94	19.0	22.0	29.0	34.0	39.0	46.0

### LARGE SERIES DUMP PUMP

Large series cast iron roller bearing dump pump direct or remote mount 2 (for intermittent operation only) or 3 line operation. Flows to 48 GPM depending on RPM. Pressure to 2000 PSI. Speeds up to 1800 RPM. Either dual shaft (1" round) for PTO drive or single shaft for direct mount (4 bolt B and 7/8-13 spline shaft). Three-way three position control valve with built in relief set at 2000 PSI. Air shift available.

Dump Pump Part Number	Our Sequence Number	Price Per Piece	Max. Speed RPM	Max. Pressure PSI	Wt. Lbs.	Cubic Inch Per Revolution	Gallons Output & Horsepower Required at 1000 PSI			
							1200 RPM		1800 RPM	
							GPM OutPut	HP InPut	GPM OutPut	HP InPut
<b>C101D-20</b>	J20020	<b>\$732.08</b>	1800	2000	70	5.60	25.0	29.0	38.0	44.0
<b>C101D-25</b>	J20060	<b>812.27</b>	1800	2000	75	6.38	32.0	37.0	48.0	56.0
<b>C102D-20*</b>	J20040	<b>764.49</b>	1800	2000	70	5.60	25.0	29.0	38.0	44.0
<b>C102D-25*</b>	J20080	<b>812.27</b>	1800	2000	75	6.38	32.0	37.0	48.0	56.0

\* Direct Mount 4 Bolt B 7/8-13 Spline Shaft

### AIR SHIFT KIT FOR C101 DUMP PUMPS

Part Number	Our Sequence Number	Price Per Piece	Description
<b>314-9414-005</b>	975080	<b>\$296.30</b>	Air Shift Kit for C101 & C102 with Actuator
<b>308-9414-015</b>	975090	<b>416.34</b>	Air Shift Kit for G101 & G102 with Toggle

### ACCESSORIES

Part Number	Our Sequence Number	Price Per Piece	Description
<b>314-0100-005</b>	975070	<b>56.56</b>	Mounting Bracket for C101 Pad Mount Pumps ONLY
<b>391-3283-052</b>	9757572	<b>6.93</b>	Optional Sleeve for Three Line Installation Only For ALL Dump Pumps
<b>391-1802-578</b>	9757571	<b>27.25</b>	G101 and G102 Detent Kit
<b>391-1802-579</b>	MM55950	<b>65.32</b>	G101 and G102 Spring Return to Neutral Kit

**CAUTION:** The valve lever should be fitted with a locking device to prevent accidentally raising the bed should the operator forget to disengage the PTO for traveling. Never work under a raised dump body without first blocking it to prevent accidental lowering.

Prices subject to change without notice. **ASK FOR QUANTITY DISCOUNT**

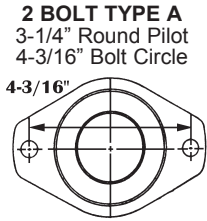
**1-800-228-9222 / e-mail: sales@baumhydraulics.com**  
Fax: 1-800-832-2522 / www.baumhydraulics.com / © Baum Hydraulics Corporation

**BAUM HYDRAULICS CORPORATION**

**COMMERCIAL HIGH PERFORMANCE  
SINGLE GEAR MOTORS WITH ROLLER BEARING  
WHEN YOU NEED TO REPLACE A MOTOR. WE HAVE IT IN STOCK.**

**FIRST:** Pick the flange type you need looking across drawing below.  
**SECOND:** Pick either splined or round shaft under your drawing.  
**THIRD:** Pick out your High Performance Motor that fits your need under your drawing.

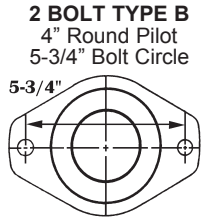
**REVERSIBLE SINGLE GEAR MOTORS - HIGH SPEED - HIGH PRESSURE**



**7/8" Rd. Shaft**  
M20X894XXX-30  
M30X894XXX-30

**7/8" 13 Spl. Shaft**  
M20X894XXX-25  
M30X894XXX-25

**1" Rd. Shaft**  
M20X894XXX-43  
M30X894XXX-43



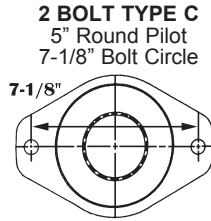
**7/8" Rd. Shaft**  
M20X897XXX-30  
M30X897XXX-30  
M50X897XXX-30

**1" Rd. Shaft**  
M20X897XXX-43  
M30X897XXX-43

**1-1/4" Rd. Shaft**  
M50X897XXX-11

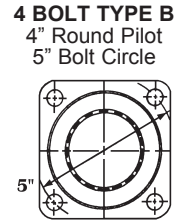
**7/8" 13 Spl. Shaft**  
M20X897XXX-25  
M30X897XXX-25  
M50X897XXX-25

**1-1/4" 14 Spl. Shaft**  
M20X897XXX-7  
M30X897XXX-7  
M50X897XXX-7



**1-1/4" Rd. Shaft**  
M50X898XXX-11  
M75X898XXX-11

**1-1/4" 14 Spl. Shaft**  
M50X898XXX-7  
M75X898XXX-7



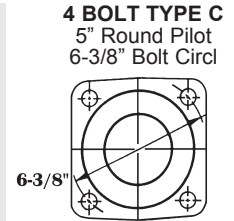
**7/8" Rd. Shaft**  
M20X842XXX-30  
M30X842XXX-30  
M50X842XXX-30  
M75X842XXX-30

**1" Rd. Shaft**  
M20X842XXX-43  
M30X842XXX-43

**1-1/4" Rd. Shaft**  
M50X842XXX-11  
M75X842XXX-11

**7/8" 13 Spl. Shaft**  
M20X842XXX-25  
M30X842XXX-25  
M50X842XXX-25

**1-1/4" 14 Spl. Shaft**  
M20X842XXX-7  
M30X842XXX-7  
M50X842XXX-7  
M75X842XXX-7



**1-1/4" Rd. Shaft**  
M30X878XXX-11  
M50X878XXX-11  
M75X878XXX-11

**1-1/4" 14 Spl. Shaft**  
M30X878XXX-7  
M50X878XXX-7  
M75X878XXX-7

Motors in this series are positive displacement to produce a definite speed at a particular rate of flow and give a certain value of torque at a particular pressure.

**CUSTOM BUILT MOTORS BUILT DIFFERENT FROM STANDARD MOTORS SHOWN BELOW ARE MORE EXPENSIVE**

Motor With <b>ROUND</b> Shaft & Roller Bearing Part Number	Motor With <b>SPLINED</b> Shaft & Roller Bearing Part Number	Max. Speed RPM	Port Size & & Type & Location	Max. Pressure PSI	Gallons Output & Horsepower Required at 2000 PSI			
					1200 RPM		1800 RPM	
					GPM Input	HP Output	GPM Input	HP Output
M20A897MEAB05-30	M20A842MEAB05-25	2400	12P12P-E	3000	7	5	10	8
M20A842MEAB07-30	M20A842MEAB07-25	2400	12P12P-E	3000	9	8	13	12
M20A897BEIF10-30	M20A842BEIF10-25	2400	12P12P-E	3000	13	11	18	16
M20A842BEIF12-30	M20A897BEIF12-25	2400	12P12P-S	3000	16	14	23	21
M20A897BEYF15-30	M20A842BEYF15-25	2400	16P16P-S	3000	18	17	26	25
M20A842BEYF17-30	M20A842BEYF17-25	2400	16P16P-S	2500	21	20	30	29
M20A897BEYL20-30	M20A842BEYL20-25	2400	20P20P-S	2500	23	22	34	33
M30A897MEAB05-30	M30A842MEAB05-25	2400	12P12P-E	2500	7	5	10	8
M30A842MEAB07-30	M30A897MEAB07-25	2400	12P12P-E	2500	9	8	13	12
M30A897BEIF10-30	M30A897BEIF10-25	2400	12P12P-E	2500	13	11	18	16
M30A897BEIF12-30	M30A897BEIF12-25	2400	12P12P-S	2500	16	14	23	21
M30A897BEYF15-30	M30A842BEYF15-25	2400	16P16P-S	2000	18	17	26	25
M30A897BEYF17-30	M30A897BEYF17-25	2400	16P16P-S	2000	21	20	30	29
M30A842BEYL20-30	M30A842BEYL20-25	2400	20P20P-S	2000	23	22	34	33
M50A898BEIJ10-11	M50A897BEIF10-25	2400	12P12P-S	2500	15	13	22	19
M50A878BEIJ12-11	M50A842BEIF12-25	2400	12P12P-S	2500	19	17	27	26
M50A898BEYG15-11	M50A897BEYF15-25	2400	16P16P-S	2500	22	21	33	30
M50A878BEYJ17-11	M50A842BEYF17-25	2400	16P16P-S	2000	25	24	38	35
M50A898BEYL20-11	M50A878BEYL20-7	2400	20P20P-S	2000	30	28	44	41
M50A898BEYL22-11	M50A898BEYL22-7	2400	20P20P-S	2000	33	31	49	46
M50A878BEYL25-11	M50A878BEYL25-7	2400	20P20P-S	2000	37	35	54	49
<b>2 BOLT C WITH SPLINE SHAFT</b>		<b>4 BOLT C WITH SPLINE SHAFT</b>						
M75A898BEIF10-7	M75A878BEIF10-7	2400	12P12P-S	2500	27	20	38	28
M75A898BEYF12-7	M75A878BEYF12-7	2400	16P16P-S	2500	33	25	46	33
M75A898BEYF15-7	M75A878BEYF15-7	2400	16P16P-S	2500	38	31	54	45
M75A898BEYF17-7	M75A878BEYF17-7	2400	16P16P-S	2500	43	36	63	54
M75A898BEYL20-7	M75A878BEYL20-7	2400	20P20P-S	2000	49	42	71	62
M75A898BEYL22-7	M75A878BEYL22-7	2400	20P20P-S	2000	54	48	80	72
M75A898BEYL25-7	M75A878BEYL25-7	2400	20P20P-S	2000	60	54	87	79
M75A898BEYL27-7	M75A878BEYL27-7	2400	20P20P-S	2000	66	61	97	90
M75A898BEYL30-7	M75A878BEYL30-7	2400	20P20P-S	2000	72	68	103	99

DATA SHOWN MAY VARY WITH SPECIFIC UNIT AND TYPE OF OIL USED AND TEMPERATURE.

**ASK FOR QUANTITY DISCOUNT**

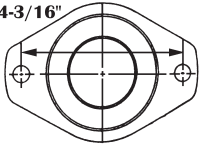
Prices subject to change without notice.

**COMMERCIAL HIGH PERFORMANCE  
SINGLE GEAR MOTORS WITH TYPE BEARING BUSHING  
WHEN YOU NEED TO REPLACE A MOTOR. WE HAVE IT IN STOCK.**

**FIRST:** Pick the flange type you need looking across drawing below.  
**SECOND:** Pick either splined or round shaft under your drawing.  
**THIRD:** Pick out your High Performance Motor that fits your need under your drawing.

**REVERSIBLE SINGLE GEAR MOTORS - HIGH SPEED - HIGH PRESSURE**

**2 BOLT TYPE A**  
3-1/4" Round Pilot  
4-3/16" Bolt Circle



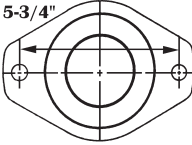
4-3/16"

**3/4" Rd. Shaft**  
M315A993XX-97  
M11A993IEAXX-24

**7/8" Rd. Shaft**  
M315A993XX-66

**2 BOLT TYPE AA**  
2" Round Pilot  
3-1/4 Bolt Circle  
M5A995IEAHXX-26

**2 BOLT TYPE B**  
4" Round Pilot  
5-3/4" Bolt Circle



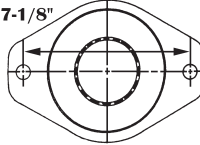
5-3/4"

**7/8" Rd. Shaft**  
M315A996XX-66  
M330C897XX-30

**1" Rd. Shaft**  
M330C897XX-43

**1-1/4" Rd. Shaft**  
M350C897XX-11  
M365C897XX-11

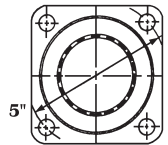
**2 BOLT TYPE C**  
5" Round Pilot  
7-1/8" Bolt Circle



7-1/8"

**1-1/4" Rd. Shaft**  
M350C898XX-1|  
M365C898XX-1|

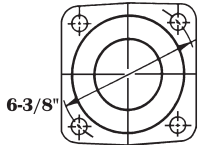
**4 BOLT TYPE B**  
4" Round Pilot  
5" Bolt Circle



5"

**1-1/4" Rd. Shaft**  
M350C842XX-11  
M365C842XX-11

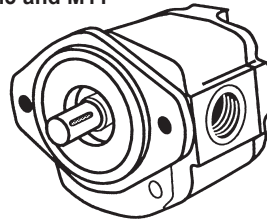
**4 BOLT TYPE C**  
5" Round Pilot  
6-3/8" Bolt Circle



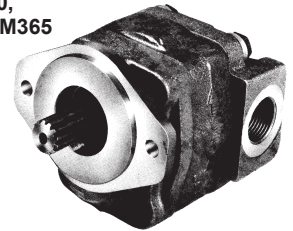
6-3/8"

**1-1/4" Rd. Shaft**  
M350C878XX-11  
M365C878XX-11

**M5 and M11**



**M315, M330, M350, and M365**



**M5 and M11  
M315, M330, M350, and M365**

Motors in this series are positive displacement to produce a definite speed at a particular rate of flow and give a certain value of torque at a particular pressure. Refer to the chart below for more information. Data shown may vary with specific unit and type of oil uses and temperature.

Motor With One Piece Shaft & Roller Bearing Part Number	Our Sequence Number	Motor Price Per Piece	Torque in Lbs.	Max. Speed RPM	Port Size & Type & Location	Max. Pressure PSI	Gallons Output & Horsepower Required at 3500 PSI					
							1200 RPM		1800 RPM		2400 RPM	
						GPM Input	HP Output	GPM Input	HP Output	GPM Input	HP Output	
M5A995IEAH04-26	J29070	\$...	127	4000	10S10S-S	4400	1.4	2.4	2.0	3.6	2.6	4.8
M5A995IEAH06-26	J29075	360.17	195	4000	10S10S-S	4400	2.1	3.7	3.0	5.6	3.9	7.4
M5A995IEAH08-26	J29080	394.40	255	4000	10S10S-S	4400	2.8	4.9	4.0	7.3	5.2	9.8
M5A995IEAH10-26	J29085	437.87	320	4000	10S10S-S	4000	3.5	6.1	4.9	9.1	6.5	12.2
M11A993HEAX16-24	J29091	559.22	510	4000	12S12S-S	4400	5.6	9.7	7.9	14.5	10.5	19.5
M11A993HEAX23-24	J29095	674.70	740	4000	12S12S-S	3700	8.1	14.0	11.4	21.0	15.1	28.0
On all M5 and M11 motors the 7/16 o-ring thread drain line port must be hooked up to low pressure return (less than 50 PSI) or to tank on its own.												
M315A993VNAB10-97	....	630	3000	16S16S-S	3500	7.9	11.9	11.0	17.1	14.2	21.2	
M315A993VNAB15-97	....	945	3000	16S16S-S	3250	11.0	16.7	16.1	24.6	20.8	31.2	
M315A993VNAB20-97	....	1090	3000	16S16S-S	2500	14.2	17.2	20.8	25.5	27.4	32.8	
M330C842VCAB10-25	....	995	2400	20S20S-S	3500	12.5	18.9	17.5	28.4	22.5	37.9	
M330C842VCAB12-25	....	1250	2400	20S20S-S	3500	15.0	23.8	21.5	35.7	28.0	47.6	
M330C842VCAB15-25	....	1500	2400	20S20S-S	3500	17.5	28.6	25.5	42.8	33.0	57.1	
M330C897VCAB17-43	....	1660	2400	20S20S-S	3250	20.0	31.6	29.0	47.4	38.5	63.2	
M330C897VCAB20-43	....	1725	2400	20S20S-S	3000	22.5	32.8	33.0	49.3	43.5	65.7	
M350C842VCAB10-25	....	1250	2400	20S20S-S	3500	17.0	23.8	23.5	35.7	30.0	47.6	
M350C842VCAB12-25	....	1610	2400	20S20S-S	3500	20.0	30.7	28.5	45.9	37.0	61.3	
M350C842VCAB15-25	....	1960	2400	20S20S-S	3500	23.5	37.3	33.5	55.9	43.5	74.6	
M350C878VCAB17-11	....	2150	2400	20S20S-S	3250	27.0	40.9	38.5	61.4	50.0	81.9	
M350C878VCAB20-11	....	2260	2400	20S20S-S	3000	30.0	43.0	43.5	64.6	57.0	86.0	
M350C878CRAB22-11	....	2340	2400	24SF24SF-S	2750	33.5	44.6	48.5	66.8	63.5	89.1	
M350C878CRAB25-11	....	2360	2400	24SF24SF-S	2500	37.0	44.9	53.5	67.4	70.0	89.9	
M365C878VCAB10-11	....	1800	2400	20S20S-S	3500	23.5	34.3	33.0	51.4	42.5	61.7	
M365C878VCAB12-11	....	2250	2400	20S20S-S	3500	28.0	42.8	40.0	64.3	52.0	78.1	
M365C878VCAB15-11	....	2740	2400	20S20S-S	3500	33.0	52.2	47.0	78.3	61.0	95.2	
M365C878VCAB17-11	....	3230	2400	20S20S-S	3500	37.5	61.5	54.0	92.3	70.5	113.3	
M365C878VCAB20-11	....	3620	2400	20S20S-S	3500	42.5	68.9	61.0	103.4	80.0	128.0	
M365C878CRAB22-11	....	3900	2400	24SF24SF-S	3250	47.5	74.3	68.0	111.4	90.0	133.3	
M365C878CRAB25-11	....	3975	2400	24SF24SF-S	3000	52.0	75.7	75.0	113.5	98.5	139.0	

Prices subject to change without notice. **ASK FOR QUANTITY DISCOUNT**

# COMMERCIAL PUMPS, MOTORS, and FLOW DIVIDERS

MADE FROM PARTS OR ALREADY ASSEMBLED

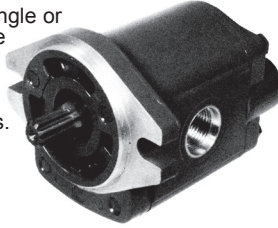
Commercial 15H, 25X, 37X, 30, 31, 50, 51, 75, 76, 315, 350, 365 Pumps and Motors

Below are examples of Commercial numbers: Please call for price and stock.

**FOR REPAIR AND REPLACEMENT - CALL US**

## SINGLE UNIT

Commercial pumps and motors are available as single or multiple assemblies. The full assembly code for the finished unit combines individual codes for shaft end cover, port end cover, gear housing, and drive shaft. It is preceded by the letter P or M for pump or motor - and by a number to designate the series.



PUMP MODELS START WITH LETTER P;  
MOTOR MODELS START WITH LETTER M

### P25X SINGLE PUMP

Example Only: Assembly Code P25X 342 BE IT20-25

Pump	P	1. Shaft End Cover .....	342
Series	25	2. Port End Cover .....	BE
Model	X	3. Gear Housing.....	IT20
		4. Drive Shaft.....	25

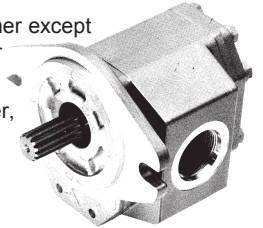
### M25X SINGLE MOTOR

Example Only: Assembly Code P25X 342 BE IT20-25

Motor	M	1. Shaft End Cover .....	942
Series	25	2. Port End Cover .....	BE
Model	X	3. Gear Housing.....	IT20
		4. Drive Shaft.....	25

## MULTIPLE UNIT

Multiple units are coded in the same manner except that additional designations for added sub-components must be included. Each section added to the single assembly requires a proper code for a bearing carrier, gear housing and connecting shaft.



Here is an example of an assembly code for a two-section 37X pump:

### P37X MULTIPLE PUMP

Example Only: Assembly Code P37X 178 BY VZ20-7 B IL 15-1

Pump	P	1. Shaft End Cover .....	178
Series	37	2. Port End Cover .....	BY
Model	X	3. Gear Housing.....	VZ20
		4. Drive Shaft.....	7
		5. Bearing Carrier .....	B
		6. Gear Housing.....	IL15
		7. Connection Shaft .....	1



# COMMERCIAL PUMP & MOTOR SEAL KITS, SHAFT SEALS, BEARINGS, & WEAR PLATES

Part Number	Series	Our Sequence Number	Price Per Piece	Part Number	Series	Our Sequence Number	Price Per Piece	Part Number	Series	Our Sequence Number	Price Per Piece
<b>Seal Kits Pumps One Section</b>				<b>Shaft Seals Metal Clad Pumps</b>				<b>Wear Plates Two Required Per Section</b>			
391-1802-031	P15H	MM55858	\$21.48	391-2883-048	P15H	975940	\$7.74	391-2185-907	P15H	975820	\$66.48
391-1802-129	P25X	MM55875	23.45	391-2883-055	----	-----	....	391-2185-912	P25X	975822	35.77
391-1802-016	P37X	MM55850	26.53	391-2883-052	P37X	975945	19.15	391-2185-909	P37X	975821	41.65
CSK-P20A	P20A	EE3040	17.64	391-2883-058	P20A	975947	2.93	391-2185-913	P20A	975823	47.43
CSK-P20C	P20C	EE3050	33.70	391-2883-107	P20C	975957	13.64	391-2185-913	P20C	975823	47.43
391-1802-119	P30/31	MM55870	13.94	391-2883-058	P30/31	975947	2.93	391-2185-913	P30/31	975823	47.43
CSK-P30C/P31C	P30/31	EE3060	34.54	391-2883-107	P30/31	975957	13.64	391-2185-913	P30/31	975823	47.43
391-1802-137	P50/51	MM55881	17.31	391-2883-103	P50/51	975955	8.13	391-2185-912	P50/51	975822	35.77
CSK-P50C/P51C	P50/51	EE3080	33.24	391-2883-133	P50/51	975966	15.00	391-2185-912	P50/51	975822	35.77
391-1802-136	P75/76	MM55880	27.42	391-2883-052	P75/76	975945	19.15	391-2185-920	P75/76	975824	85.11
CSK-P315	P315	EE3065	22.74	391-2883-151	P315	975969	5.79	391-2185-963	P315	975830	34.99
391-1802-441	P330A	MM55941	19.42	391-2883-058	P330	975947	2.93	391-2185-956	P330	975828	46.39
CSK-P350	P350	EE3070	65.05	391-2883-103	P350	975955	8.13	391-2185-957	P350	975829	55.10
391-1802-494	P365	MM55945	37.42	391-2883-052	P365	975945	19.15	391-2185-955	P365	975827	150.30
391-1822-101	P5	97244064	51.32	391-2883-178	P5	9736693	10.91				
P11-SK1V	P11	9736649	92.87	391-2881-181	P11	9736699	2.61	<b>Roller Bearings Four Required Per Section</b>			
8611-023-00N	PGP511	9717398	30.41	8301-019-00K	PGP511	9717395	5.84	391-0381-062	M15H	975757	\$25.98
8611-023-Q1N	PGP511	9717397	51.32	9352-061-00T	PGP511	9717394	5.42	391-0381-059	M25X	975759	22.64
391-1822-071	P17	97244060	58.35	391-2883-058	P17	975947	2.93	391-0381-060	M37X	975758	31.10
<b>Seal Kits Motors One Section</b>				<b>Shaft Seals Metal Clad Motors</b>				<b>Lip Seals Motor</b>			
391-1801-014	M15H	MM55813	\$12.75	391-2883-096	M25X	975953	\$30.44	391-2883-184	M5	9736645	15.97
391-1801-015	M25X-I	MM55814	97.97	391-2883-094	M37X	975952	37.16	391-2883-185Z hi	M11	9736647	19.39
391-1801-009	M37X	MM55812	46.92	391-2883-119	M20A	975962	20.99	8301-020-00M	PGM511	97366485	41.59
CSK-M20A	M20A	EE3000	44.74	391-2883-126	M20C	975964	75.03	335-0900-748	PGM511	97366486	15.88
CSK-M20C	M20C	EE3010	125.78	391-2883-119	M30/31	975962	20.99	9411-601-00N	PGM511	9717393	9.15
391-1801-032	M30/31	MM55822	34.39	391-2883-126	M30/31	975964	75.03	9411-601-00N	PGM511	9736648	20.04
CSK-M30C/M31C	M30/31	EE3020	126.62	391-2883-186	M50/51	984056	31.46				
CSK-M50C	M50/51	EE3032	57.93	391-2883-115	M50/51	975959	42.28				
391-1801-063	M50/51	MM55842	55.97	391-2883-094	M75/76	975952	37.16				
391-1802-143	M75/76	MM55885	47.80	391-2883-119	M330	975962	20.99				
CSK-M315	M315	EE3029	101.62	391-2883-126	M330	975964	75.03				
CSK-M330	M330	EE3030	100.47	391-2883-115	M350	975959	42.28				
CSK-M330C	M330	EE3031	181.52	391-2883-186	M350	984056	31.46				
391-1801-115	M350	EE3034	127.47	391-2883-094	M365	975952	37.16				
CSK-M350C	M350	EE3033	111.24								
CSK-M365	M365	EE3035	163.45								
391-1801-304	M5	9719695	86.18								
8301-023-Q1N	PGM511	9717396	39.10								
M511-SK1V/LG	PGM511	97366493	73.32								
M511-SK1V/MG	PGM511	97366497	61.10								

**ASK FOR QUANTITY DISCOUNT**

Prices subject to change without notice.

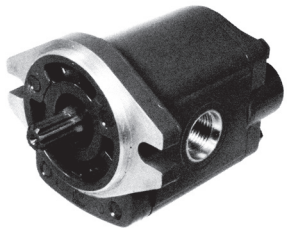


**PRINCE GEAR PUMPS  
HIGH SPEED - HIGH PRESSURE**

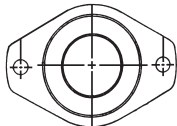
**FIRST:** Pick the flange type you need looking across drawing below.

**SECOND:** Pick either splined or round shaft under your drawing.

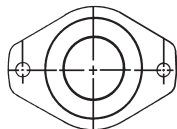
**THIRD:** Pick out your High Performance Pump that fits your need in the chart below.



2 BOLT TYPE A  
3-1/4" Round Pilot  
4-3/16" Bolt Circle



2 BOLT TYPE B  
4" Round Pilot  
5-3/4" Bolt Circle

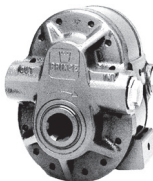


Pump With ROUND Shaft Part Number	Our Sequence Number	Price Per Piece	Gear Width Inches	Max. Speed RPM	Port Size & Type & Location	Max. Pressure PSI	Cubic Inch Per Revolution	Gallons Output & Horsepower Required at 2000 PSI			
								— 1200 RPM —		— 1800 RPM —	
								GPM Output	HP Input	GPM Output	HP Input
<b>2A 5/8 RD - CCW</b>											
SP20A8A9H2L	100614	\$363.91	.43	4000	12S10S-S	3000	.49	2.5	3.3	3.8	4.9
SP20A9A9H2L	100622	363.91	.48	4000	12S10S-S	3000	.55	2.9	3.8	4.4	5.7
SP20A11A9H2L	100630	363.91	.59	4000	12S10S-S	3000	.67	3.5	4.6	5.3	6.9
SP20A14A9H2L	100638	369.60	.75	4000	12S10S-S	3000	.85	4.4	5.7	6.6	8.6
SP20A16A9H2L	100646	369.60	.86	4000	12S10S-S	3000	.98	5.0	6.5	7.5	9.8
SP20A20A9H2L	100654	403.65	1.07	3500	16S12S-S	3000	1.22	6.4	8.3	9.6	12.5
SP20A23A9H2L	100662	407.27	1.23	3500	16S12S-S	3000	1.40	7.3	9.5	11.0	14.3
SP20A27A9H2L	100670	402.02	1.45	3500	16S12S-S	3000	1.65	8.5	11.1	12.8	16.6
<b>2A 5/8 x 9 SPL. - CW</b>											
SP20A8A9H9R	100616	\$363.91	.43	4000	12S10S-S	3000	.49	2.5	3.3	3.8	4.9
SP20A9A9H9R	100624	363.91	.48	4000	12S10S-S	3000	.55	2.9	3.8	4.4	5.7
SP20A11A9H9R	100632	363.91	.59	4000	12S10S-S	3000	.67	3.5	4.6	5.3	6.9
SP20A14A9H9R	100640	369.60	.75	4000	12S10S-S	3000	.85	4.4	5.7	6.6	8.6
SP20A16A9H9R	100648	407.29	.86	4000	12S10S-S	3000	.98	5.0	6.5	7.5	9.8
SP20A20A9H9R	100656	391.90	1.07	3500	16S12S-S	3000	1.22	6.4	8.3	9.6	12.5
SP20A23A9H9R	100664	395.40	1.23	3500	16S12S-S	3000	1.40	7.3	9.5	11.0	14.3
SP20A27A9H9R	100672	402.02	1.45	3500	16S12S-S	3000	1.65	8.5	11.1	12.8	16.6

DATA SHOWN MAY VARY WITH SPECIFIC UNIT AND TYPE OF OIL USED AND TEMPERATURE.

**PRINCE PUMPS**

**HCI PUMPS** - Features include self-adjusting wear plate, run-fitted aluminum body, roller bearings, internal spline with thru-drive feature, high-tensile cast iron end plates. Measures 8-3/4" high, 6-1/2" wide, and 6" deep. Use FLR215-9LDNH (10 micron) filter and DVLR-64 relief valve.



**PUMP APPLICATIONS** - Aluminum PTO pumps for slow speed applications. Cast iron PTO pumps for motor/ high speed applications

HCI Part Number	Max. RPM	GPM at 2000 PSI	HP Input at 2000 PSI	O-Ring Inlet	O-Ring Outlet	Recommended Hose Size (inch) Inlet	Outlet
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**With 1-5/16" O-Ring Thread Inlet and 1-1/16" O-Ring Thread Outlet**

HC-PTO-1A	540	21.0	32.1	1-5/16	1-1/16	1-1/4	3/4
HC-PTO-2A	540	11.4	18.1	1-5/16	1-1/16	1	3/4
HC-PTO-7A	540	7.4	11.9	1-5/16	1-1/16	1	3/4
HC-PTO-3A	1000	22.4	34.3	1-5/16	1-1/16	1-1/4	3/4
HC-P-K11	1000	40.0	58.8	1-5/8	1-5/16	2	1

Pipe Thread Part Number	Internal Splined Shaft	Our Sequence Number	Price Per Piece
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**ALUMINUM HYDRAULIC PTO PUMPS**

HC-PTO-1A	1-3/8	6 spline	100710	\$914.21
HC-PTO-2A	1-3/8	6 spline	100712	708.75
HC-PTO-7A	1-3/8	6 spline	100718	780.82
HC-PTO-3A	1-3/8	21 spline	100714	1012.02
HC-P-K11	1-3/8	21 spline	100720	1019.48

**CAST IRON HYDRAULIC PTO PUMPS**

HC-PTO-1AC	1-3/8	6 spline	100711	1195.14
HC-PTO-2AC	1-3/8	6 spline	100713	994.46
HC-P-K11C	1-3/8	21 spline	100719	1144.70
PMCK-PTO-1A Seal Kit for 3 port pump			100724	108.45

**WARNING - IMPORTANT**

**PUMPS REQUIRE LARGE SEPARATE DVLR-64 RELIEF VALVE** with 3/4 inch ports. Relief valves with 1/2 inch ports and relief valves built into control valves **ARE NOT LARGE ENOUGH**

Pumps require **WIRE REINFORCED SUCTION HOSE** that will not collapse, of 1-1/4" or 1-1/2" size.

Put Filter in **RETURN LINE BETWEEN CONTROL VALVE AND TANK**. Use 12 gallon tank for HC-PTO-2A and HP-PTO-7A. Use 20 gallon tank for HC-PTO-1A and HC-PTO-3A.

**HOW TO SELECT A PUMP**

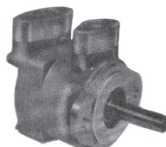
Enter the chart below with the speed, revolutions per minute (RPM) at which you wish to operate your pump. The figures beside each of the pump sizes indicate the gallons per minute (GPM) output and the horsepower required from each size at that speed.

Example: You want to run your pump at 540 RPM and you desire about 21 GPM output. Enter the chart with 540 RPM and look down to 21 GPM output. A number HC-PTO-1A pump will produce 21 GPM output at 540 RPM at 2000 PSI pressure. Be sure this GPM output is enough to operate your motor at the speed desired.

<b>PUMP PERFORMANCE DATA</b>				
Gallons Per Minute Output and Horsepower Required for These Pumps at Max. PSI Pump Pressure				
<b>2000 PSI HCI HYDRAULIC COMPONENT PUMPS</b>				
Pump Number	Gallons Output & Horsepower Required at 2000 PSI		Gallons Output & Horsepower Required at 2000 PSI	
	540 RPM GPM Output	HP Input	1000 RPM GPM Output	HP Input
HC-PTO-1A	21.0	32.1		
HC-PTO-2A	11.4	18.1		
HC-PTO-7A	7.1	11.9		
HC-PTO-3A			22.4	34.3

<b>SPECIFICATIONS</b>		
Pump Number	Maximum Speed RPM	Maximum Pressure PSI
HC-PTO-1A	540	2250
HC-PTO-2A	540	2250
HC-PTO-7A	540	2250
HC-PTO-3A	1000	2250



**GRESSEN HYDRAULIC VANE PUMPS**

**IMPORTANT:** Relief Valve Required. Hydraulic relief valves must be used with all vane type pumps.

Pump Number	Wt. Lbs.	Our Sequence Number	Price Per Piece
TB6-75-50K-CCW	11	343050	\$717.75
TB9-100-75K-CCW	11	343080	877.25
TB12-100-75K-CCW	11	343100	826.38
TC12-125-75B-CCW	16-1/2	343130	827.86
TC16-125-100B-CCW	16-1/2	343150	1430.00
TC20-125-100B-CCW	16-1/2	343160	809.38
TC24-125-100B-CCW	16-1/2	343170	1501.58

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