

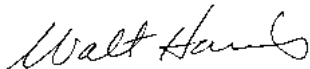
812 Series for Eaton® FR/FRO Transmissions

Now available for Eaton FR/FRO transmissions (FLR-88, 90 and 91) is the single gear Chelsea 812 Series. This low cost, high torque power take-off was designed for extra heavy-duty applications on transmissions with 8-bolt openings and for the Chelsea 912 Series split shaft. The 812 Series is available with wire, lever, air and electric-over air shifter options. This Chelsea unit also offers five output types, including the popular 360° rotatable pump flanges, which help eliminate interference problems.

The 812 intermittent torque value is reduced to 382 Ft.lbs on the application pages due to Eaton's transmission P.T.O. driver gear maximum torque capacity of 500 Ft.lbs. Refer to pages 1-5 of HY25-3007/US Eaton transmission application section for complete details on Eaton transmission torque capacities.

The enclosed application pages FLR-88, 90 and 91 dated May 2003 replace current application pages dated January 2003. Please add these new pages along with the bulletin to your Eaton/Fuller Section. Application information starts on the back of this bulletin.

For any further application requirements contact Chelsea Technical Services at (662) 895-1052.



Walt Harris
Product Sales Manager
Chelsea Products Division

Encl: FLR-88 dtd May, 2003
FLR-90 dtd May, 2003
FLR-91 dtd May, 2003

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

<p>TRANSMISSION GEAR DATA: BOT 8-Bolt Opening - Gear Forward of Centerline. 47 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: .8050" (20.4470MM)</p>	<p>TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening - Gear Forward of Centerline. 45 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)</p>
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Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit
			Hi	Lo	Rev							Hi	Lo	Rev			

ONE SPEED - TWO GEAR

230XAAJX-*3	250	Opp	54				328481G	Furnished	230GAAJX-*3	250	Opp	51					Furnished
230XBAJX-*3	250	Opp	70				328481G	Furnished	230GBAJX-*3	250	Opp	67					Furnished
230XDAJX-*3	250	Opp	80				328481G	Furnished	230GDAJX-*3	250	Opp	77					Furnished
230XKAJX-*3	250	Opp	109				328481G	Furnished	230GKAJX-*3	250	Opp	104					Furnished
230XQAJX-*3	250	Opp	145				328481G	Furnished	230GQAJX-*3	250	Opp	139					Furnished
230XUAJX-*3	180	Opp	232				328481G	Furnished	230GUAJX-*3	188	Opp	222					Furnished
489GAAHX-*3 (2)	250	Opp	62					Furnished	236GDAHx-*3 (1)	250	Opp	102					Furnished
489GCAHX-*3 (3)	250	Opp	79					Furnished	236GKAHX-*3 (1)	250	Opp	130					Furnished
489GFAHX-*3 (4)	250	Opp	102					Furnished	442GAAHX-*3 (2)	250	Opp	62					Furnished
489GHAHX-*3 (5)	250	Opp	118					Furnished	442GCAHX-*3 (3)	250	Opp	79					Furnished
489GLAHX-*3 (1)	250	Opp	132					Furnished	442GFAHX-*3 (4)	250	Opp	97					Furnished
489GQAHX-*3 (1)	225	Opp	142					Furnished	442GHAHX-*3 (5)	250	Opp	112					Furnished
489GRAHX-*3 (1)	225	Opp	164					Furnished	442GLAHX-*3 (1)	250	Opp	126					Furnished
489GSAHX-*3 (1)	200	Opp	195					Furnished	442GQAHX-*3 (1)	225	Opp	136					Furnished
489GUAHX-*3 (1)	180	Opp	233					Furnished	442GRAHX-*3 (1)	225	Opp	157					Furnished
489GWAHX-*3 (1)	153	Opp	274					Furnished	442GSAHX-*3 (1)	200	Opp	187					Furnished
680GFAHX-*3 (6)	375	Opp	102					Furnished	660GFAHX-*3 (6)	375	Opp	97					Furnished
680GQAHX-*3 (7)	295	Opp	142					Furnished	660GQAHX-*3 (7)	308	Opp	136					Furnished
680GSAHX-*3 (8)	214	Opp	195					Furnished	660GSAHX-*3 (8)	224	Opp	187					Furnished

ONE SPEED - DUAL SHAFT

452ZSAHX-*3 (1)	140	Opp	198				328564G	Furnished	452GSAHX-*3 (1)	140	Opp	189					Furnished
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ONE SPEED FORWARD & REVERSE

340SFAHX-*5 (9)	200	Opp	89	93	7-A-032		310778G	Furnished	340GFAHX-*5 (9)	200	Opp	85	89	7-A-140 (10)			Furnished
352ZSAHX-*3 (1)	140	Opp	198	256			328564G	Furnished	352GSAHX-*3 (1)	140	Opp	189	245				Furnished

ONE SPEED - SINGLE GEAR - EIGHT HOLE

812GKAHX-*3	382	Eng	110					Furnished									
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ONE SPEED - TWO GEAR - EIGHT HOLE

880GBAHX-*3 (11)	500	Opp	69					Furnished									
880GDAHx-*3 (12)	500	Opp	82					Furnished									
880GGAHX-*3 (13)	470	Opp	89					Furnished									
880GJAHX-*3 (14)	399	Opp	105					Furnished									
880GMAHX-*3 (15)	340	Opp	123					Furnished									
880GQAHX-*3 (16)	290	Opp	144					Furnished									
880GRAHX-*3 (17)	246	Opp	170					Furnished									

Continued Next Page

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 'A' and 'C' ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The 8000-14X and 8000-15X kits have metric fasteners. If the 6 or 8 bolt plate is ordered with the "G" designator the metric stud kit comes with the plate. Ex. 328481G, 328564G.

NOTE: The 442 "U", "W" and "X" ratios will not mount on the right side and the 489 "X" ratio will not mount on the bottom opening because the O.D. of the ratio gear hits the O.D. of the adjacent gear in the transmission.

- | | | |
|----------------------------------|---|-----------------------------------|
| (1) Input Gear Part No. 5-P-1004 | (7) Input Gear Part No. 5-P-1246 | (13) Input Gear Part No. 5-P-1135 |
| (2) Input Gear Part No. 5-P-1280 | (8) Input Gear Part No. 5-P-1322 | (14) Input Gear Part No. 5-P-1102 |
| (3) Input Gear Part No. 5-P-1287 | (9) Input Gear Part No. 5-P-581 | (15) Input Gear Part No. 5-P-1103 |
| (4) Input Gear Part No. 5-P-1077 | (10) Filler block furnished with P.T.O. | (16) Input Gear Part No. 5-P-1385 |
| (5) Input Gear Part No. 5-P-1364 | (11) Input Gear Part No. 5-P-1100 | (17) Input Gear Part No. 5-P-1104 |
| (6) Input Gear Part No. 5-P-1242 | (12) Input Gear Part No. 5-P-1101 | (18) Input Gear Part No. 5-P-1105 |

BOTTOM SIDE ONLY	RIGHT SIDE ONLY
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<p>TRANSMISSION GEAR DATA: BOT 8-Bolt Opening - Gear Forward of Centerline. 47 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: .8050" (20.4470MM)</p>	<p>TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening - Gear Forward of Centerline. 45 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)</p>
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Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit
			Hi	Lo	Rev							Hi	Lo	Rev			

ONE SPEED - TWO GEAR - EIGHT HOLE

880GTAHX-*3 (18)	191	Opp	219					Furnished									
885GBAHX-*3 (11)	500	Opp	69					Furnished									
885GGAHX-*3 (13)	470	Opp	89					Furnished									
885GJAHX-*3 (14)	399	Opp	105					Furnished									
885GMAHX-*3 (15)	340	Opp	123					Furnished									

ONE SPEED - FORWARD & REVERSE - EIGHT HOLE

863GBAHX-*5	500	Opp	69	86				Furnished									
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GEARED ADAPTERS

628GAHX-3AH								Furnished	626GAHX-3AH								Furnished
									645GAHX-3AH								Furnished

Continued Next Page

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 'A' and 'C' ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The 8000-14X and 8000-15X kits have metric fasteners. If the 6 or 8 bolt plate is ordered with the "G" designator the metric stud kit comes with the plate. Ex. 328481G, 328564G.

NOTE: The 442 "U", "W" and "X" ratios will not mount on the right side and the 489 "X" ratio will not mount on the bottom opening because the O.D. of the ratio gear hits the O.D. of the adjacent gear in the transmission.

- (1) Input Gear Part No. 5-P-1004
- (2) Input Gear Part No. 5-P-1280
- (3) Input Gear Part No. 5-P-1287
- (4) Input Gear Part No. 5-P-1077
- (5) Input Gear Part No. 5-P-1364
- (6) Input Gear Part No. 5-P-1242

- (7) Input Gear Part No. 5-P-1246
- (8) Input Gear Part No. 5-P-1322
- (9) Input Gear Part No. 5-P-581
- (10) Filler block furnished with P.T.O.
- (11) Input Gear Part No. 5-P-1100
- (12) Input Gear Part No. 5-P-1101

- (13) Input Gear Part No. 5-P-1135
- (14) Input Gear Part No. 5-P-1102
- (15) Input Gear Part No. 5-P-1103
- (16) Input Gear Part No. 5-P-1385
- (17) Input Gear Part No. 5-P-1104
- (18) Input Gear Part No. 5-P-1105

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REAR SIDE ONLY

TRANSMISSION GEAR DATA:

REAR 0-Bolt Opening - Gear Non-Standard.
62 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.0000" (.0000MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

REAR Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit
			Hi	Lo	Rev							Hi	Lo	Rev			

ONE SPEED - THRUSHAFT - "BJ" MOUNTING OPTION

541-LBJ-Y-XV	400	Eng	87														Furnished
541-MBJ-Y-XV	350	Eng	113														Furnished
541-NBJ-Y-XV	300	Eng	129														Furnished

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 'A' and 'C' ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The 8000-14X and 8000-15X kits have metric fasteners. If the 6 or 8 bolt plate is ordered with the "G" designator the metric stud kit comes with the plate. Ex. 328481G, 328564G.

NOTE: The 442 "U", "W" and "X" ratios will not mount on the right side and the 489 "X" ratio will not mount on the bottom opening because the O.D. of the ratio gear hits the O.D. of the adjacent gear in the transmission.

- | | | |
|----------------------------------|---|-----------------------------------|
| (1) Input Gear Part No. 5-P-1004 | (7) Input Gear Part No. 5-P-1246 | (13) Input Gear Part No. 5-P-1135 |
| (2) Input Gear Part No. 5-P-1280 | (8) Input Gear Part No. 5-P-1322 | (14) Input Gear Part No. 5-P-1102 |
| (3) Input Gear Part No. 5-P-1287 | (9) Input Gear Part No. 5-P-581 | (15) Input Gear Part No. 5-P-1103 |
| (4) Input Gear Part No. 5-P-1077 | (10) Filler block furnished with P.T.O. | (16) Input Gear Part No. 5-P-1385 |
| (5) Input Gear Part No. 5-P-1364 | (11) Input Gear Part No. 5-P-1100 | (17) Input Gear Part No. 5-P-1104 |
| (6) Input Gear Part No. 5-P-1242 | (12) Input Gear Part No. 5-P-1101 | (18) Input Gear Part No. 5-P-1105 |

May 2003

BOTTOM SIDE ONLY	RIGHT SIDE ONLY
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<p>TRANSMISSION GEAR DATA: BOT 8-Bolt Opening - Gear Forward of Centerline. 47 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: .8050" (20.4470MM)</p>	<p>TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening - Gear Forward of Centerline. 45 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: 1.0850" (27.5600MM)</p>
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Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit
			Hi	Lo	Rev							Hi	Lo	Rev			

ONE SPEED - SINGLE GEAR

100XRAHX-*3 (1)	125	Eng	127			328481G	Furnished									
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ONE SPEED - TWO GEAR

221ZCAHX-*3	250	Opp	57		7-A-032 (2)	328564G	Furnished	230GAAJX-*3	250	Opp	40					Furnished
221ZEAHX-*3	250	Opp	65			328564G	Furnished	230GBAJX-*3	250	Opp	51					Furnished
221ZLAHX-*3	200	Opp	88			328564G	Furnished	230GDAJX-*3	250	Opp	60					Furnished
221ZPAHX-*3	200	Opp	106			328564G	Furnished	230GKAJX-*3	250	Opp	81					Furnished
230XAAJX-*3	250	Opp	41			328481G	Furnished	230GQAJX-*3	250	Opp	107					Furnished
230XBAJX-*3	250	Opp	54			328481G	Furnished	230GUAJX-*3	188	Opp	172					Furnished
230XDAJX-*3	250	Opp	62			328481G	Furnished	236GDAH-X*3 (3)	250	Opp	79					Furnished
230XKAJX-*3	250	Opp	84			328481G	Furnished	236GKAHX*3 (3)	250	Opp	101					Furnished
230XQAJX-*3	250	Opp	112			328481G	Furnished	442GAAHX*3 (4)	250	Opp	48					Furnished
230XUAJX-*3	180	Opp	179			328481G	Furnished	442GCAHX*3 (5)	250	Opp	61					Furnished
260XAAHX-*3	250	Opp	41			328481G	Furnished	442GFAHX*3 (6)	250	Opp	75					Furnished
489GFAHX*3 (6)	250	Opp	79				Furnished	442GHAHX*3 (7)	250	Opp	87					Furnished
489GHAHX*3 (7)	250	Opp	92				Furnished	442GLAHX*3 (3)	250	Opp	97					Furnished
489GLAHX*3 (3)	250	Opp	102				Furnished	442GQAHX*3 (3)	225	Opp	105					Furnished
489GQAHX*3 (3)	225	Opp	110				Furnished	442GRAHX*3 (3)	225	Opp	121					Furnished
489GRAHX*3 (3)	225	Opp	127				Furnished	442GSAHX*3 (3)	200	Opp	145					Furnished
489GSAHX*3 (3)	200	Opp	151				Furnished	660GFAHX*3 (8)	375	Opp	75					Furnished
489GUAHX*3 (3)	180	Opp	180				Furnished	660GQAHX*3 (9)	308	Opp	105					Furnished
489GWAHX*3 (3)	153	Opp	212				Furnished	660GSAHX*3 (10)	224	Opp	145					Furnished
680GFAHX*3 (8)	375	Opp	79				Furnished									
680GQAHX*3 (9)	295	Opp	110				Furnished									
680GSAHX*3 (10)	214	Opp	151				Furnished									

ONE SPEED - DUAL SHAFT

452ZSAHX*3 (3)	140	Opp	153			328564G	Furnished	452GSAHX*3 (3)	140	Opp	146					Furnished
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ONE SPEED FORWARD & REVERSE

340SFAHX*5 (11)	200	Opp	69	72	7-A-032 7-A-140 (12)	310778G	Furnished	340GFAHX*5 (11)	200	Opp	66	69	7-A-140 (2)			Furnished
352ZSAHX*3 (3)	140	Opp	153	198		328564G	Furnished	352GSAHX*3 (3)	140	Opp	146	190				Furnished

ONE SPEED - SINGLE GEAR - EIGHT HOLE

812GKAHX*3	382	Eng	85				Furnished									
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CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 'A' and 'C' ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The new Fuller C2000 Series transmissions have M10-1.5 threads for the 6 bolt opening and M12-1.75 threads for the 8 bolt opening.

NOTE: Use constant mesh P.T.O.'s only on the right side application.

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|--|--|-----------------------------------|-----------------------------------|
| (1) Gear and Shaft Kit No. KXA-2-P-565 | (7) Input Gear Part No. 5-P-1364 | (13) Input Gear Part No. 5-P-1100 | (19) Input Gear Part No. 5-P-1104 |
| (2) Filler block furnished with P.T.O. | (8) Input Gear Part No. 5-P-1242 | (14) Input Gear Part No. 5-P-1101 | (20) Input Gear Part No. 5-P-1105 |
| (3) Input Gear Part No. 5-P-1004 | (9) Input Gear Part No. 5-P-1246 | (15) Input Gear Part No. 5-P-1135 | (21) Input Gear Part No. 5-P-716 |
| (4) Input Gear Part No. 5-P-1280 | (10) Input Gear Part No. 5-P-1322 | (16) Input Gear Part No. 5-P-1102 | (22) Input Gear Part No. 5-P-718 |
| (5) Input Gear Part No. 5-P-1287 | (11) Input Gear Part No. 5-P-581 | (17) Input Gear Part No. 5-P-1103 | (23) Input Gear Part No. 5-P-717 |
| (6) Input Gear Part No. 5-P-1077 | (12) Filler block furnished with P.T.O. but not required | (18) Input Gear Part No. 5-P-1385 | |

BOTTOM SIDE ONLY

RIGHT SIDE ONLY

TRANSMISSION GEAR DATA:

BOT 8-Bolt Opening - Gear Forward of Centerline.
47 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

.8050" (20.4470MM)

TRANSMISSION GEAR DATA:

R.H. 6-Bolt Opening - Gear Forward of Centerline.
45 Teeth - SPUR

PITCH LINE TO APERTURE FACE:

1.0850" (27.5600MM)

Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit
			Hi	Lo	Rev							Hi	Lo	Rev			

ONE SPEED - TWO GEAR - EIGHT HOLE

880GBAHX-*3 (13)	500	Opp	54					Furnished
880GDAHx-*3 (14)	500	Opp	63					Furnished
880GGAHX-*3 (15)	470	Opp	69					Furnished
880GJAHX-*3 (16)	399	Opp	81					Furnished
880GMAHX-*3 (17)	340	Opp	95					Furnished
880GQAHX-*3 (18)	290	Opp	111					Furnished
880GRAHX-*3 (19)	246	Opp	131					Furnished
880GTAHX-*3 (20)	191	Opp	169					Furnished
885GBAHX-*3 (13)	500	Opp	54					Furnished
885GGAHX-*3 (15)	470	Opp	69					Furnished
885GJAHX-*3 (16)	399	Opp	81					Furnished
885GMAHX-*3 (17)	340	Opp	95					Furnished

ONE SPEED - FORWARD & REVERSE - EIGHT HOLE

863GBAHX-*5	500	Opp	54	66				Furnished
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GEARED ADAPTERS

628GAHX-3AH	Furnished	626GAHX-3AH	Furnished
		645GAHX-3AH	Furnished

Continued Next Page

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 'A' and 'C' ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The new Fuller C2000 Series transmissions have M10-1.5 threads for the 6 bolt opening and M12-1.75 threads for the 8 bolt opening.

NOTE: Use constant mesh P.T.O.'s only on the right side application.

- | | | | |
|--|--|-----------------------------------|-----------------------------------|
| (1) Gear and Shaft Kit No. KXA-2-P-565 | (7) Input Gear Part No. 5-P-1364 | (13) Input Gear Part No. 5-P-1100 | (19) Input Gear Part No. 5-P-1104 |
| (2) Filler block furnished with P.T.O. | (8) Input Gear Part No. 5-P-1242 | (14) Input Gear Part No. 5-P-1101 | (20) Input Gear Part No. 5-P-1105 |
| (3) Input Gear Part No. 5-P-1004 | (9) Input Gear Part No. 5-P-1246 | (15) Input Gear Part No. 5-P-1135 | (21) Input Gear Part No. 5-P-716 |
| (4) Input Gear Part No. 5-P-1280 | (10) Input Gear Part No. 5-P-1322 | (16) Input Gear Part No. 5-P-1102 | (22) Input Gear Part No. 5-P-718 |
| (5) Input Gear Part No. 5-P-1287 | (11) Input Gear Part No. 5-P-581 | (17) Input Gear Part No. 5-P-1103 | (23) Input Gear Part No. 5-P-717 |
| (6) Input Gear Part No. 5-P-1077 | (12) Filler block furnished with P.T.O. but not required | (18) Input Gear Part No. 5-P-1385 | |

REAR SIDE ONLY

<p>TRANSMISSION GEAR DATA: REAR 0-Bolt Opening - Gear Non-Standard. 0 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: .0000" (.0000MM)</p>	
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Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

REAR Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit
			Hi	Lo	Rev				Hi			Lo	Rev				

ONE SPEED - THRUSHAFT - "BJ" MOUNTING OPTION

541-NBJ-Y-XV (21)	300	Eng	92						Furnished
541-LBJ-Y-XV (22)	400	Eng	63						Furnished
541-MBJ-Y-XV (23)	350	Eng	81						Furnished

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 'A' and 'C' ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The new Fuller C2000 Series transmissions have M10-1.5 threads for the 6 bolt opening and M12-1.75 threads for the 8 bolt opening.

NOTE: Use constant mesh P.T.O.'s only on the right side application.

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|--|--|-----------------------------------|-----------------------------------|
| (1) Gear and Shaft Kit No. KXA-2-P-565 | (7) Input Gear Part No. 5-P-1364 | (13) Input Gear Part No. 5-P-1100 | (19) Input Gear Part No. 5-P-1104 |
| (2) Filler block furnished with P.T.O. | (8) Input Gear Part No. 5-P-1242 | (14) Input Gear Part No. 5-P-1101 | (20) Input Gear Part No. 5-P-1105 |
| (3) Input Gear Part No. 5-P-1004 | (9) Input Gear Part No. 5-P-1246 | (15) Input Gear Part No. 5-P-1135 | (21) Input Gear Part No. 5-P-716 |
| (4) Input Gear Part No. 5-P-1280 | (10) Input Gear Part No. 5-P-1322 | (16) Input Gear Part No. 5-P-1102 | (22) Input Gear Part No. 5-P-718 |
| (5) Input Gear Part No. 5-P-1287 | (11) Input Gear Part No. 5-P-581 | (17) Input Gear Part No. 5-P-1103 | (23) Input Gear Part No. 5-P-717 |
| (6) Input Gear Part No. 5-P-1077 | (12) Filler block furnished with P.T.O. but not required | (18) Input Gear Part No. 5-P-1385 | |

May 2003

BOTTOM SIDE ONLY	RIGHT SIDE ONLY
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<p>TRANSMISSION GEAR DATA: BOT 8-Bolt Opening - Gear Forward of Centerline. 47 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: .8050" (20.4470MM)</p>	<p>TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening - Gear Forward of Centerline. 45 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: 1.0850" (27.5590MM)</p>
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Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit
			Hi	Lo	Rev							Hi	Lo	Rev			

ONE SPEED - SINGLE GEAR

100XRAHX-*3 (1)	125	Eng	170			328481G	8000-14X									
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ONE SPEED - TWO GEAR

221ZCAHX-*3	250	Opp	76		7-A-032 (2)	328564G	Furnished	230GAAJX-*3	250	Opp	53					Furnished	
221ZEAHX-*3	250	Opp	87			328564G	Furnished	230GBAJX-*3	250	Opp	69						Furnished
221ZLAHX-*3	200	Opp	117			328564G	Furnished	230GDAJX-*3	250	Opp	80						Furnished
221ZPAHX-*3	200	Opp	142			328564G	Furnished	230GKAJX-*3	250	Opp	108						Furnished
230XAAJX-*3	250	Opp	55			328481G	Furnished	230GQAJX-*3	250	Opp	143						Furnished
230XBAJX-*3	250	Opp	72			328481G	Furnished	230GUAJX-*3	188	Opp	229						Furnished
230XDAJX-*3	250	Opp	83			328481G	Furnished	236GDAHx-*3 (3)	250	Opp	105						Furnished
230XKAJX-*3	250	Opp	112			328481G	Furnished	236GKAHX-*3 (3)	250	Opp	135						Furnished
230XQAJX-*3	250	Opp	150			328481G	Furnished	442GAAHX-*3 (4)	250	Opp	64						Furnished
230XUAJX-*3	188	Opp	239			328481G	Furnished	442GCAHX-*3 (5)	250	Opp	81						Furnished
260XAAHX-*3	250	Opp	55		7-A-032	328481G	Furnished	442GFAHX-*3 (6)	250	Opp	101						Furnished
489GAAHX-*3 (4)	250	Opp	66				Furnished	442GHAHX-*3 (7)	250	Opp	117						Furnished
489GCAHX-*3 (5)	250	Opp	85				Furnished	442GLAHX-*3 (3)	250	Opp	130						Furnished
489GFAHX-*3 (6)	250	Opp	105				Furnished	442GQAHX-*3 (3)	225	Opp	140						Furnished
489GHAHX-*3 (7)	250	Opp	122				Furnished	442GRAHX-*3 (3)	225	Opp	162						Furnished
489GLAHX-*3 (3)	250	Opp	136				Furnished	442GSAHX-*3 (3)	200	Opp	193						Furnished
489GQAHX-*3 (3)	225	Opp	146				Furnished	660GFAHX-*3 (8)	375	Opp	101						Furnished
489GRAHX-*3 (3)	225	Opp	170				Furnished	660GQAHX-*3 (9)	308	Opp	140						Furnished
489GSAHX-*3 (3)	200	Opp	202				Furnished	660GSAHX-*3 (10)	224	Opp	193						Furnished
489GUAHX-*3 (3)	180	Opp	241				Furnished										
489GWAHX-*3 (3)	153	Opp	283				Furnished										
680GFAHX-*3 (8)	375	Opp	105				Furnished										
680GQAHX-*3 (9)	295	Opp	146				Furnished										
680GSAHX-*3 (10)	214	Opp	202				Furnished										

ONE SPEED - DUAL SHAFT

452ZSAHX-*3 (3)	140	Opp	204			328564G	Furnished	452GSAHX-*3 (3)	140	Opp	196						Furnished
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ONE SPEED FORWARD & REVERSE

340SFAHX-*5 (11)	200	Opp	92	96	7-A-140 (2)	310778G	Furnished	340GFAHX-*5 (11)	200	Opp	88	92	7-A-140 (2)				Furnished
352ZSAHX-*3 (3)	140	Opp	204	265		328564G	Furnished	352GSAHX-*3 (3)	140	Opp	196	253					Furnished

ONE SPEED - SINGLE GEAR - EIGHT HOLE

812GKAHX-*3	382	Eng	113				Furnished										
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CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

CAUTION: Do not use geared adapters with 442 'A' and 'C' ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

NOTE: The new Fuller C2000 Series transmissions have M10-1.5 threads for the 6 bolt opening and M12-1.75 threads for the 8 bolt opening.

NOTE: Use constant mesh P.T.O.'s only on the right side application.

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| (1) Gear and Shaft Kit No. KXA-2-P-565 | (7) Input Gear Part No. 5-P-1364 | (13) Input Gear Part No. 5-P-1101 | (19) Input Gear Part No. 5-P-1105 |
| (2) Filler block furnished with P.T.O. but not required | (8) Input Gear Part No. 5-P-1242 | (14) Input Gear Part No. 5-P-1135 | (20) Input Gear Part No. 5-P-718 |
| (3) Input Gear Part No. 5-P-1004 | (9) Input Gear Part No. 5-P-1246 | (15) Input Gear Part No. 5-P-1102 | (21) Input Gear Part No. 5-P-717 |
| (4) Input Gear Part No. 5-P-1280 | (10) Input Gear Part No. 5-P-1322 | (16) Input Gear Part No. 5-P-1103 | (22) Input Gear Part No. 5-P-716 |
| (5) Input Gear Part No. 5-P-1287 | (11) Input Gear Part No. 5-P-581 | (17) Input Gear Part No. 5-P-1385 | |
| (6) Input Gear Part No. 5-P-1077 | (12) Input Gear Part No. 5-P-1100 | (18) Input Gear Part No. 5-P-1104 | |

BOTTOM SIDE ONLY	RIGHT SIDE ONLY
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<p>TRANSMISSION GEAR DATA: BOT 8-Bolt Opening - Gear Forward of Centerline. 47 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: .8050" (20.4470MM)</p>	<p>TRANSMISSION GEAR DATA: R.H. 6-Bolt Opening - Gear Forward of Centerline. 45 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: 1.0850" (27.5590MM)</p>
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Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

BOTTOM Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit	RIGHT Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit
			Hi	Lo	Rev							Hi	Lo	Rev			

ONE SPEED - TWO GEAR - EIGHT HOLE

880GBAHX-*3 (12)	500	Opp	72					Furnished									
880GDAHx-*3 (13)	500	Opp	85					Furnished									
880GGAHX-*3 (14)	470	Opp	92					Furnished									
880GJAHX-*3 (15)	399	Opp	108					Furnished									
880GMAHX-*3 (16)	340	Opp	127					Furnished									
880GQAHX-*3 (17)	290	Opp	149					Furnished									
880GRAHX-*3 (18)	246	Opp	176					Furnished									
880GTAHX-*3 (19)	191	Opp	226					Furnished									
885GBAHX-*3 (12)	500	Opp	72					Furnished									
885GGAHX-*3 (14)	470	Opp	92					Furnished									
885GJAHX-*3 (15)	399	Opp	108					Furnished									
885GMAHX-*3 (16)	340	Opp	127					Furnished									

ONE SPEED - FORWARD & REVERSE - EIGHT HOLE

863GBAHX-*5	500	Opp	72	89				Furnished									
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GEARED ADAPTERS

628GAHX-3AH								Furnished	626GAHX-3AH								Furnished
									645GAHX-3AH								Furnished

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CAUTION: Do not use geared adapters with 442 'A' and 'C' ratios.

CAUTION: 660/680 Series: Applications above 1500 RPM output shaft speed, contact Chelsea Technical Service for approval.

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| (6) Input Gear Part No. 5-P-1077 | (12) Input Gear Part No. 5-P-1100 | (18) Input Gear Part No. 5-P-1104 | |

REAR SIDE ONLY

<p>TRANSMISSION GEAR DATA: REAR 0-Bolt Opening - Gear Non-Standard. 0 Teeth - SPUR</p> <p>PITCH LINE TO APERTURE FACE: .0000" (.0000MM)</p>	
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Caution: Application Approval Required for P.T.O. Output Shaft Speeds Above 2500 R.P.M.

REAR Side P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit	P.T.O. Model	Inter. Torq.	Dir. Rot.	Engine %			Filler Block	Adapter Assy.	Stud Kit
			Hi	Lo	Rev							Hi	Lo	Rev			

ONE SPEED - THRUSHAFT - "BJ" MOUNTING OPTION

541-LBJ-Y-XV (20)	400	Eng	84														Furnished
541-MBJ-Y-XV (21)	350	Eng	108														Furnished
541-NBJ-Y-XV (22)	300	Eng	123														Furnished

CAUTION: Eaton Transmission Division has established a MAXIMUM torque limit for the Transmission P.T.O. driver gear. For all FR, FRO & FRLO transmissions the MAXIMUM torque limit for the transmission P.T.O. driver gear is 500 Ft-lbs [678 N.m]. All torque limits on this application page reflect the 500 Ft-lbs [678 N.m] limit at the Transmission P.T.O. driver gear. Refer to the Chelsea P.T.O. Torque Limit Chart in the front section of this catalog for complete torque limit information.

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| (1) Gear and Shaft Kit No. KXA-2-P-565 | (7) Input Gear Part No. 5-P-1364 | (13) Input Gear Part No. 5-P-1101 | (19) Input Gear Part No. 5-P-1105 |
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