

New 870/877 Series Application Charts

With the addition of the New 870 Powershift and 877 Constant Mesh Power Take-Offs (P.T.O.s) to the Chelsea product line of 10-Bolt P.T.O.s, all application pages related to the Allison 3000/4000 and Caterpillar CX series have been updated to reflect the new Power Take-Off Series.

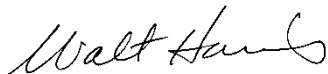
These will be the only pages printed by Chelsea for catalog updates. If additional copies are required .pdfs of the pages can be found at www.Phtruck.com/Chelsea or Chelsea CD HY25-0069/US dated September 2011. A new Chelsea catalog will be mailed January 2012.

Keep this copy of the bulletin in your application book or make copies of the following pages of this bulletin for your customers,

If you have questions about this bulletin or other technical questions, contact us at:

US: Chelsea Customer/Technical Services at **1-888-PH4-TRUK** (1-888-744-8785) or Fax 662.895.1069
Canada: Parker Canada Division 905-693-3020

Included with this bulletin: ALL-13,13C,13R; ALL-14,14C,14R; ALL-16,16C,16R; ALL-16EV; ALL-18 & ALL-19,19C,19R. CAT-1, 2, & 3. DATED September 2011



Walt Harris
Product Sales Manager
Chelsea Products

OVER

ALL-13, 13C, 13R

3000 Series Transmissions

PTO Gear 68 teeth

Left Side PTO Model					Right Side PTO Model				
Max Torq	Dir. Rot.	Engine % Hi	Stud Kit	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit		
870XAFJP-5	591	Eng	82	Furnished	870XAFJP-3	591	Eng	82	Furnished
870XBFJP-5	557	Eng	87	Furnished	870XBFJP-3	557	Eng	87	Furnished
870XCFJP-5	522	Eng	93	Furnished	870XCFJP-3	522	Eng	93	Furnished
870XDFJP-5	490	Eng	99	Furnished	870XDFJP-3	490	Eng	99	Furnished
870XEFJP-5	429	Eng	113	Furnished	870XEFJP-3	429	Eng	113	Furnished
870XFFJP-5	379	Eng	128	Furnished	870XFFJP-3	379	Eng	128	Furnished
870XGFJP-5	334	Eng	145	Furnished	870XGFJP-3	334	Eng	145	Furnished
870XHFJP-5	315	Eng	154	Furnished	870XHFJP-3	315	Eng	154	Furnished
870XJFJP-5	295	Eng	164	Furnished	870XJFJP-3	295	Eng	164	Furnished

ALL-14, 14C, 14R

4000 Series Transmissions

PTO Gear 97 teeth

Left Side PTO Model					Right Side PTO Model				
Max Torq	Dir. Rot.	Engine % Hi	Stud Kit	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit		
870XAFJP-5	591	Eng	116	Furnished	870XAFJP-3	591	Eng	116	Furnished
870XBFJP-5	552	Eng	124	Furnished	870XBFJP-3	552	Eng	124	Furnished
870XCFJP-5	515	Eng	133	Furnished	870XCFJP-3	515	Eng	133	Furnished
870XDFJP-5	482	Eng	142	Furnished	870XDFJP-3	482	Eng	142	Furnished
870XEFJP-5	425	Eng	161	Furnished	870XEFJP-3	425	Eng	161	Furnished
870XFFJP-5	376	Eng	182	Furnished	870XFFJP-3	376	Eng	182	Furnished

ALL-16, 16C, 16R

3000 Series Transmissions

PTO Gear 83 teeth

Left Side PTO Model					Top Side PTO Model				
Max Torq	Dir. Rot.	Engine % Hi	Stud Kit	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit		
870XAFJP-5	485	Eng	100	Furnished	870XAFJP-3	485	Eng	100	Furnished
870XBFJP-5	458	Eng	106	Furnished	870XBFJP-3	458	Eng	106	Furnished
870XCFJP-5	425	Eng	114	Furnished	870XCFJP-3	425	Eng	114	Furnished
870XDFJP-5	401	Eng	121	Furnished	870XDFJP-3	401	Eng	121	Furnished
870XEFJP-5	351	Eng	138	Furnished	870XEFJP-3	351	Eng	138	Furnished
870XFFJP-5	311	Eng	156	Furnished	870XFFJP-3	311	Eng	156	Furnished
870XGFJP-5	274	Eng	177	Furnished	870XGFJP-3	274	Eng	177	Furnished
870XHFJP-5	258	Eng	188	Furnished	870XHFJP-3	258	Eng	188	Furnished
870XJFJP-5	242	Eng	200	Furnished	870XJFJP-3	242	Eng	200	Furnished

ALL-16EV

3000/3500 EVS Transmissions

PTO Gear 83 teeth

Left Side PTO Model					Top Side PTO Model				
Max Torq	Dir. Rot.	Engine % Hi	Stud Kit	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit		
870XAFJP-5	670	Eng	100	Furnished	870XAFJP-3	670	Eng	100	Furnished
870XBFJP-5	632	Eng	106	Furnished	870XBFJP-3	632	Eng	106	Furnished
870XCFJP-5	588	Eng	114	Furnished	870XCFJP-3	588	Eng	114	Furnished
870XDFJP-5	554	Eng	121	Furnished	870XDFJP-3	554	Eng	121	Furnished
870XEFJP-5	486	Eng	138	Furnished	870XEFJP-3	486	Eng	138	Furnished
870XFFJP-5	429	Eng	156	Furnished	870XFFJP-3	429	Eng	156	Furnished
870XGFJP-5	379	Eng	177	Furnished	870XGFJP-3	379	Eng	177	Furnished
870XHFJP-5	356	Eng	188	Furnished	870XHFJP-3	356	Eng	188	Furnished
870XJFJP-5	334	Eng	200	Furnished	870XJFJP-3	334	Eng	200	Furnished

NOTE: Max Torque is for both Intermittent and Continuous Duty Applications.
NOTE: All Data Also Applies to 877 Constant Mesh Series

ALL-18

3700/3700 SP Transmissions

PTO Gear 68 teeth

Left Side					Right Side				
PTO Model	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit	PTO Model	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit
870XAFJP-*5	591	Eng	82	Furnished	870XAFJP-*3	591	Eng	82	Furnished
870XBFJP-*5	557	Eng	87	Furnished	870XBFJP-*3	557	Eng	87	Furnished
870XCFJP-*5	522	Eng	93	Furnished	870XCFJP-*3	522	Eng	93	Furnished
870XDFJP-*5	490	Eng	99	Furnished	870XDFJP-*3	490	Eng	99	Furnished
870XEFJP-*5	429	Eng	113	Furnished	870XEFJP-*3	429	Eng	113	Furnished
870XFFJP-*5	379	Eng	128	Furnished	870XFFJP-*3	379	Eng	128	Furnished
870XGFJP-*5	334	Eng	145	Furnished	870XGFJP-*3	334	Eng	145	Furnished
870XHFJP-*5	315	Eng	154	Furnished	870XHFJP-*3	315	Eng	154	Furnished
870XJFJP-*5	295	Eng	164	Furnished	870XJFJP-*3	295	Eng	164	Furnished

ALL-19, 19C, 19R

4700/4800 Series Transmissions

PTO Gear 97 teeth

Left Side					Top Side				
PTO Model	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit	PTO Model	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit
870XAFJP-*5	591	Eng	116	Furnished	870XAFJP-*3	591	Eng	116	Furnished
870XBFJP-*5	552	Eng	124	Furnished	870XBFJP-*3	552	Eng	124	Furnished
870XCFJP-*5	515	Eng	133	Furnished	870XCFJP-*3	515	Eng	133	Furnished
870XDFJP-*5	482	Eng	142	Furnished	870XDFJP-*3	482	Eng	142	Furnished
870XEFJP-*5	425	Eng	161	Furnished	870XEFJP-*3	425	Eng	161	Furnished
870XFFJP-*5	376	Eng	182	Furnished	870XFFJP-*3	376	Eng	182	Furnished

NOTE: Max Torque is for both Intermittent and Continuous Duty Applications.

NOTE: All Data Also Applies to 877 Constant Mesh Series

CAT-1

CX31 Series Transmissions

PTO Gear 88 teeth

Left Side					Right Side				
PTO Model	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit	PTO Model	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit
870XAKVP-*5	598	Eng	117	Furnished	870XAKVP-*3	598	Eng	117	Furnished
870XBKVP-*5	560	Eng	125	Furnished	870XBKVP-*3	560	Eng	125	Furnished
870XCKVP-*5	522	Eng	134	Furnished	870XCKVP-*3	522	Eng	134	Furnished
870XDKVP-*5	490	Eng	143	Furnished	870XDKVP-*3	490	Eng	143	Furnished
870XEKVP-*5	432	Eng	162	Furnished	870XEKVP-*3	432	Eng	162	Furnished
870XFKVP-*5	380	Eng	184	Furnished	870XFKVP-*3	380	Eng	184	Furnished

CAT-2

CX28 Series Transmissions

PTO Gear 79 teeth

Left Side					Right Side				
PTO Model	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit	PTO Model	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit
870XAKVP-*5	476	Eng	105	Furnished	870XAKVP-*3	476	Eng	105	Furnished
870XBKVP-*5	442	Eng	113	Furnished	870XBKVP-*3	442	Eng	113	Furnished
870XCKVP-*5	417	Eng	120	Furnished	870XCKVP-*3	417	Eng	120	Furnished
870XDKVP-*5	391	Eng	128	Furnished	870XDKVP-*3	391	Eng	128	Furnished
870XEKVP-*5	345	Eng	145	Furnished	870XEKVP-*3	345	Eng	145	Furnished
870XFKVP-*5	303	Eng	165	Furnished	870XFKVP-*3	303	Eng	165	Furnished
870XGKVP-*5	267	Eng	187	Furnished	870XGKVP-*3	267	Eng	187	Furnished
870XHVP-*5	251	Eng	199	Furnished	870XHVP-*3	251	Eng	199	Furnished

CAT-3

CX35 Series Transmissions

PTO Gear 100 teeth

Left Side					Right Side				
PTO Model	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit	PTO Model	Max Torq	Dir. Rot.	Engine % Hi	Stud Kit
870XAKVP-*5	526	Eng	133	Furnished	870XAKVP-*3	526	Eng	133	Furnished
870XBKVP-*5	493	Eng	142	Furnished	870XBKVP-*3	493	Eng	142	Furnished
870XCKVP-*5	461	Eng	152	Furnished	870XCKVP-*3	461	Eng	152	Furnished
870XDKVP-*5	432	Eng	162	Furnished	870XDKVP-*3	432	Eng	162	Furnished
870XEKVP-*5	380	Eng	184	Furnished	870XEKVP-*3	380	Eng	184	Furnished

NOTE: Max Torque is for both Intermittent and Continuous Duty Applications.

NOTE: All Data Also Applies to 877 Constant Mesh Series