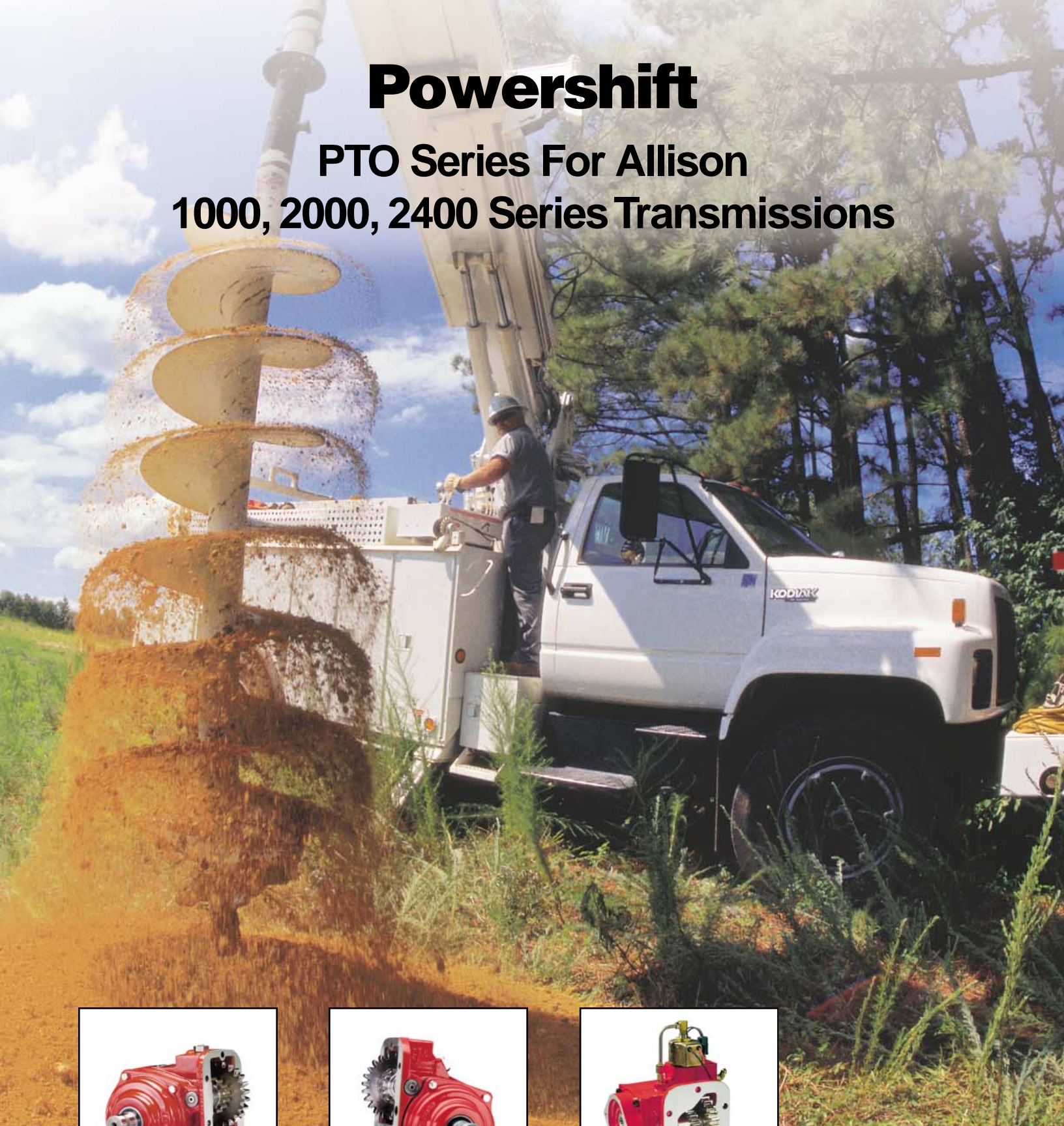


Powershift

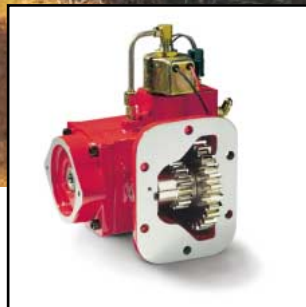
PTO Series For Allison
1000, 2000, 2400 Series Transmissions



230 and 270 Series



231 and 271 Series



250 and 251 Series



230 and 270 Series

230 and 231 Series

The 230 and 231 Series is the workhorse PTO for high-torque, high-demand air shift requirements. Ideal for manual or automatic transmissions in medium and heavy-duty trucks equipped with air brakes. Constant mesh input gears and optional pressure lubrication extend service life.

Low-profile housing with the 231 offers easier installation. Both designed for standard 6-bolt transmission apertures with 1-1/4" round shaft; flanges available to direct-mount hydraulic pumps. This unit offers the popular 360° rotatable pump flange.



231 and 271 Series

270 and 271 Series

Chelsea's powerhouse hydraulic PTOs for automatic transmissions feature smooth shifting with constant mesh input gears and clutch pack for on-the-move or stationary applications. The 271's low profile housing reduces problems with clearance and installation. Both designed for standard 6-bolt transmission apertures with 1-1/4" round output shaft. Options include flanges for popular hydraulic pumps and pressure lubrication. This unit offers the popular 360° rotatable pump flange.

250 Series

The 250 Series features the latest PTO technology for automatic transmissions. The Controlled Compression Interface Gasket eliminates the setting of gear backlash. The lightweight housing design allows for maximum heat dissipation, and there is excellent gear contact ratio for quiet operation. Electronic Overspeed Control is available to protect your driven equipment.



250 and 251 Series

251 Series

The 251 Series features low profile aluminum housing for maximum dissipation, as well as best clearance in class with the exhaust system. Weather tight electrical connectors for secure under-the-vehicle connections. The wiring harness connects into the GM wiring harness. Custom in-dash control plugs into the GM harness.

Integral solenoid design simplifies plumbing and reduces installation time. The integral solenoid design also helps eliminate noise created by flow through excess hoses and fittings.

Fixed compression gasket eliminates setting of backlash and reduces installation time.

Electronic Overspeed Control

Solid-state, tamper-resistant components are totally reliable. Make one simple adjustment for the maximum ending RPM you want your PTO shaft to turn. The PTO will automatically disengage at that speed. A second adjustment allows the PTO to re-engage at the desired speed. You can specify the Chelsea Electronic Overspeed Control (EOC) with all Chelsea powershift PTOs.



Series	230	231	250	251	270	271
Speed Ratio	A, B, D, K, Q, U	A, B, D, K, Q, U	D	D	A, B, D, K	A, B, D, K
Torque Rating	225 - 300	225 - 250	120	120	300	250
Horsepower Rating Output Shaft Speed:						
500 RPM	21.4 - 28.5	21.4 - 23.5	13.3	13.3	28.5	23.5
1000 RPM	42.8 - 57	42.8 - 47	26.6	26.6	57	47
1200 RPM						
Approximate Unit Weight (lbs.)	49	49	25	25	49	49
Shift Types	Option Code					
Manual	A	X	X			
No Valve	F					
12V Elec. Over Air	P	X	X			
24V Elec. Over Air	Q	X	X			
12V Elec. Over Hydraulic	B			X	X	X
24V Elec. Over Hydraulic	D			X	X	X
12V Remote Mt. Elec. Over Hydraulic	G					
24V Remote Mt. Elec. Over Hydraulic	H					
Rotated Valve Cap 120 Degrees	R					
12V EOC Electric Over Hydraulic	K				X	X
24V EOC Electric Over Hydraulic	L				X	X
12V EOC Electric Over Air	N	X	X			
24V EOC Electric Over Air	J	X	X			
Output Types	Option Code					
1" Round	XB			X		
1-1/8" Round	XC					
1-1/4" Round	XD	X	X		X	X
1410 Compression Flange	XV					
SAE "A" 2 Bolt	XE		X	X		
SAE "A" 2 or 4 Bolt	XP	X	X		X	X
SAE "B" 2 or 4 Bolt	XK	X	X		X	X
SAE "B" 2 Bolt Rotatable	RA	X	X		X	X
SAE "B" 4 Bolt Rotatable	RB	X	X		X	X
SAE "BB" 2 or 4 Bolt	AF	X	X		X	X
SAE "BB" Rotatable	RF					
SAE "C" 2 or 4 Bolt	XS					
SAE "C" 2	XU					
Chelsea Special	XR	X	X		X	X
DIN 100	AC					
DIN 120	AB					
DIN 5462	XY	X	X		X	X
Tapered Output Shaft	XX	X	X		X	X

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