



Logan FlexaDrive™ 700-2

2-Position Pump Drive System for Engines up to 700 HP (522kW)

Logan FlexaDrive™ Series Description:

The Logan FlexaDrive multiple pump drive system is a self-contained gearbox with integral flexible coupling, providing full engine power between your engine (power take-off) and transmission. Various step-up gear ratios are available for direct drive PTO's. An integral Flexible coupling is required to dampen torsional vibration. Logan FlexaDrives mount to all standard SAE flywheel housings ranging from No. 3 to No. 00, and can be positioned 45° in either direction.

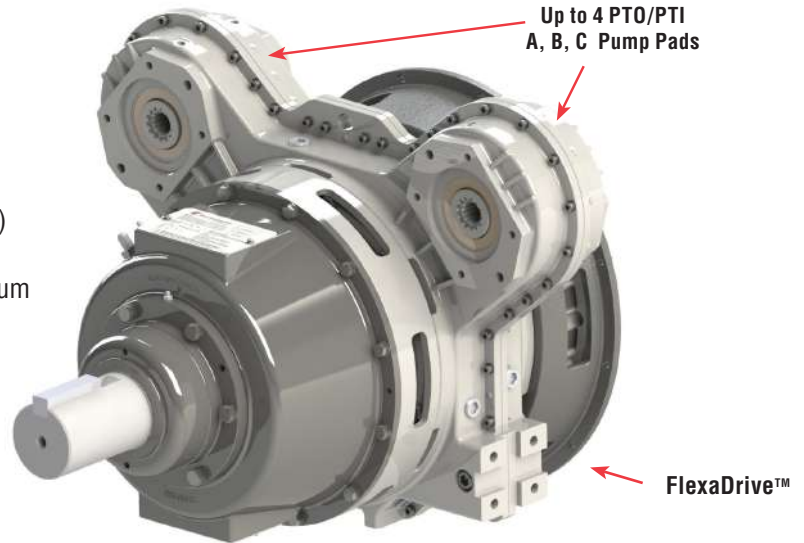
Logan FlexaDrive™ 700-2

2-position Pump Drive System

For Engines up to 700 HP (522kW)

The Logan 2-Position Pump Drive is outfitted with up to four (4) PTI / PTO pads, and can accommodate up to 730 HP (544kW) Engines, with maximum Speeds up to 2600 RPM, and a maximum of 160 HP (120kW) per tower under continuous duty.

- Input Housing SAE No. 1 – No. 3
- Output Housing SAE No. 3
- Pump Pads SAE A – SAE C
- Continuously Rated – Total 300 HP (225kW)
- Continuously Rated – Per Tower 160HP (120kW)
- Integrated Reservoir– Eliminates Need for Secondary Tank



Logan 700-2 FlexaDrive with Logan LC-311 Series Bell Housing PTO (Dry) Clutch

Logan Direct Drive

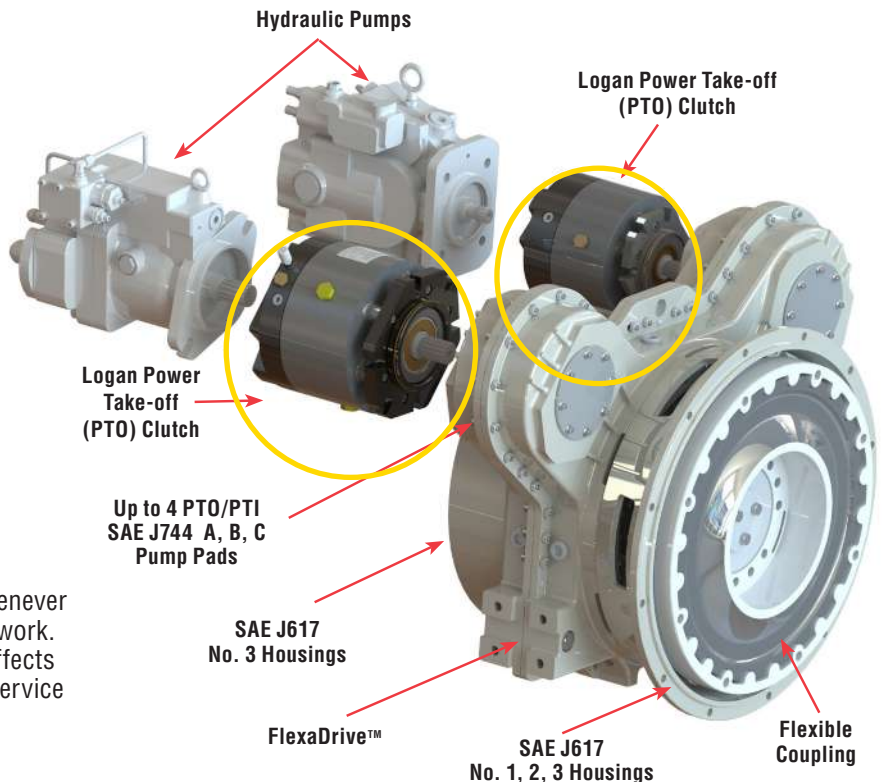
Power Take-off (PTO) Clutches

How They Work:

Direct Drive PTO's are self-contained, fluid or air activated clutches, positioned between a live PTO pad and hydraulic pump.

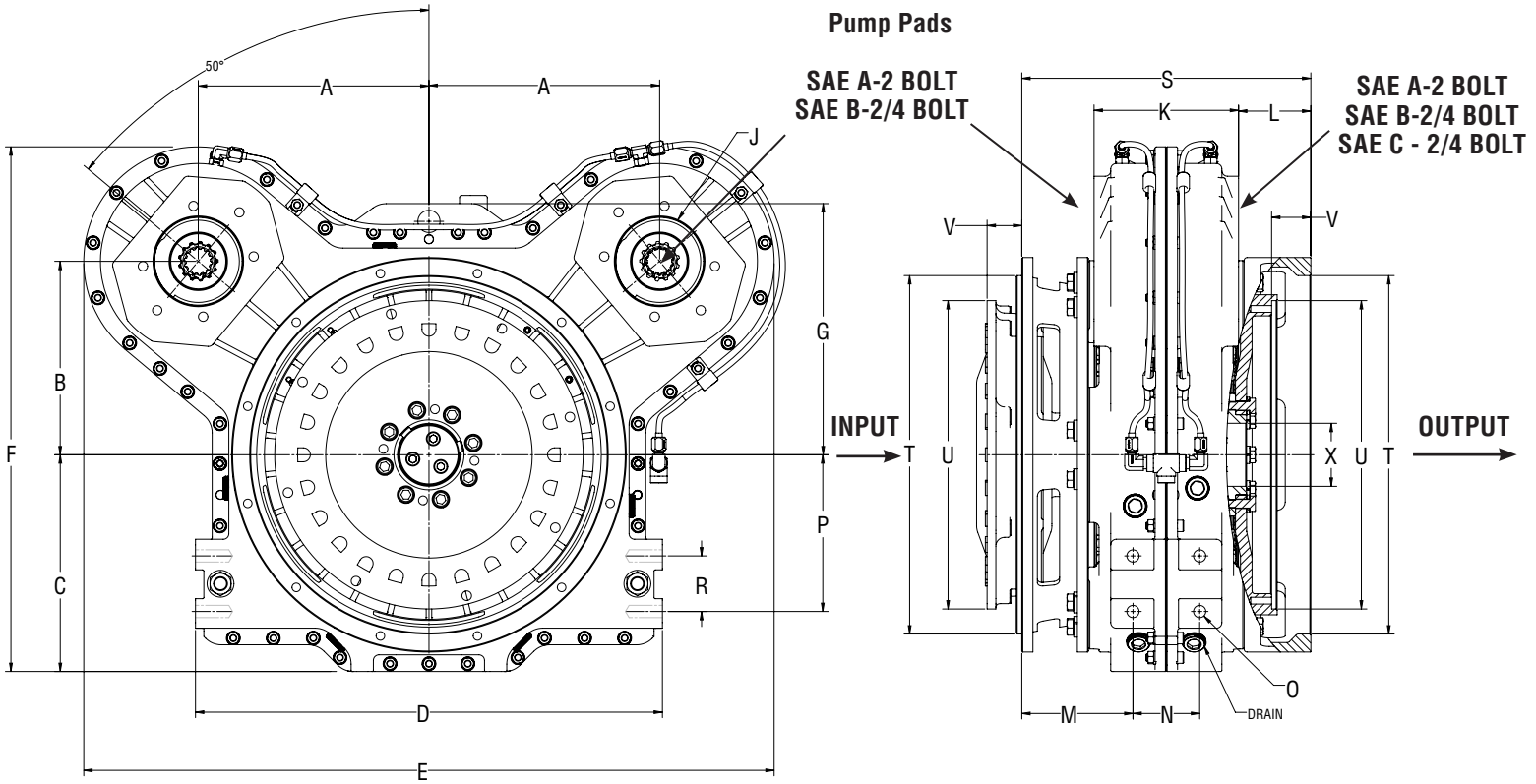
PTO Clutch Advantages:

- Reduces fuel consumption and CO2 emissions by engaging drives and pumps only when required
- Better Engine Starts: Reduces horsepower draw and cranking power required during machine start-up by disconnecting the hydraulic system from the engine
- Reduced ambient noise through intermittent use of pumps and equipment
- Cooler running hydraulic systems: Heat is generated whenever oil dumps from high to low pressure without producing work. Disconnecting the PTO Clutch reduces the destructive effects of heat – lowering maintenance costs and hydraulic oil service requirements
- Extends the life of drive systems and components
- Standard PTO clutches available in B, B-B, C, C-C, and other popular sizes





NEW! Logan FlexaDrive™ 700-2 Series 2-Position Pump Drive System for Engines up to 700 HP (522 kW)



OPERATING PARAMETERS FLEXA DRIVE™ 700-2

SPEED 2200 RPM MAX.	MAX INPUT POWER 700 HP / 522 kW	TOTAL HEADS CAPACITY* 300 HP / 224 kW	SINGLE HEAD CAPACITY* 160 HP / 120 kW	GEAR RATIO 1:1; 1:1.25	OIL CAPACITY 1.5 Gal. / 5.7 L
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FlexaDrive™ Dimensions

A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R
7.768	11.094	9.75	21	25.836	25.994	12.958	5	SAE J744	6.5	3.05	5.0	3	8XM16	7.05	2.5
UNITS															
197.31	281.79	247.65	533.4	656.24	660.25	329.13	127	SAE J744	165.11	77.47	127	76.2	8XM16	179.07	63.5

INPUT HOUSING		INPUT FLYWHEEL		OUTPUT HOUSING	S [in/mm]	T [in/mm]	U [in/mm]	V [in/mm]	X [in/mm]	WEIGHT * [Lbs./kg]
J617	SAE 2 / SAE 3	J620	SAE 11.5"	SAE 3	11.300/287.02	16.125/409.58	13.875/352.42	1.56/39.62	2.8346/72	470/215
	SAE 1		SAE 14"		12.800/325.12	20.125/511.18	18.375/466.72	1.00/25.4	-	501/227

OUTPUT: MOUNTING AVAILABLE FOR SAE J617 HOUSINGS AND SAE J620 FLYWHEELS AND FOR ANY CUSTOMER SPECIFIED DRIVE SHAFT.

* Weight without oil. Weight of oil approx. 50 Lbs./23 kg.

** Torque through main shaft.

*** Flexible torsional coupling is required for pump drive input. Buyer Responsible for Torsional Vibration Analysis (TVA).