Chelsea® 236 Series

PowerShift PTO for Manual and Automatic Transmissions

Overview:

The 236 is a pneumatic clutch type PTO that can mount on manual transmissions the same as mechanical PTOs. This provides the operator a smooth engagement with no gear clashing which helps extend the life of the PTO and transmission gears. Using the same popular gear design as the 442 Series, the 236 Series will become standard for applications requiring a 6-Bolt PowerShift PTO. The 236 Series feature 4 internal speed ratios, 5 shift options and 12 output options. Twenty-three input gear options will provide coverage on Fuller, Mack, Spicer/TTC transmissions to name a few. One of the more popular features available for the 236 Series is the self-adjusting internal shaft brake. This prevents shaft rotation on devices such as water or transfer pumps when the PTO is disengaged.

- LP Gas Trucks
- Water Trucks
- Fire and Rescue

Product Features and Benefits:

- Self-adjusting internal shaft brake option (patent #7159701).
- Wide selection of input gears.
- Helical gears and optional pressure lubrication to extend PTO service life.
- Inspection cover for checking backlash.
- PTO/Dump Pump combo valve shift option available.
- Two Year Warranty.

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236 SERIES POWER TAKE-OFF SPECIFICATIONS AND TECHNICAL DATA

236 X K AJ X – P 3 XD

Basic Model
236

Mounting Option
- **X** = Standard Mount
- **G** = Standard/Metric
- **Z** = Deep Mount
- **K** = Standard Mount w/o Stud Kit
- **L** = Deep Mount w/o Stud Kit
- **E** = EATON Brazil

Gear Ratio
- **A** = 21/53
- **D** = 28/47
- **K** = 32/42
- **Q** = 38/37
- **U** = 40/34

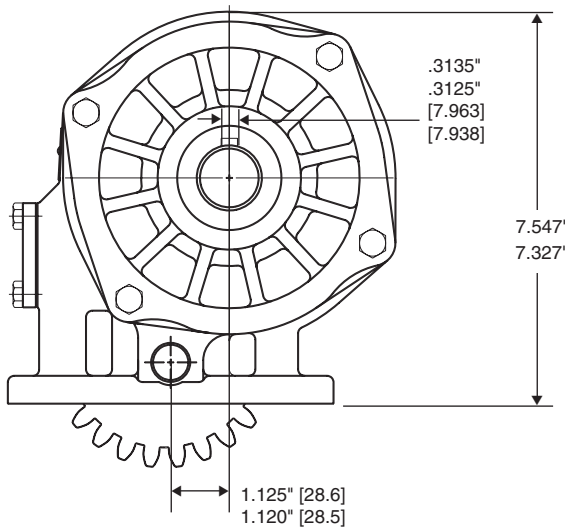
Input Option
EATON Fuller, Tremec, Mack Transmissions
See Current Price Book for Options

Lube Option
- **P** = Pressure Lube
- **X** = No Lubrication

Output Option
- [3] **AF** = SAE “B” 2 or 4-Bolt Flange, SAE “BB” Shaft (1" - 15T)
- **BA** = 1-1/4" Round Shaft w/ Brake (Automatic Transmission)
- **BD** = 1-1/4" Round Shaft w/ Brake (Manual Transmission)
- **XD** = Rd Standard Shaft (1-1/4" - 5/16" Key)
- **XE** = SAE “A” 2-Bolt Flange, SAE “A” Shaft (5/8" - 9T)
- **XK** = SAE “B” 2 or 4-Bolt Flange, SAE “B” Shaft (7/8" - 13T)
- [3] **XP** = SAE “A” Pilot 2-Bolt Flange, SAE “B” Shaft (7/8" - 13T)
- [3] **XR** = Chelsea Special (Cloverleaf), SAE “B” Shaft (7/8" - 13T)
- **XX** = 1-1/4" Tapered Output Shaft w/ Keyway
- [3] **XY** = ISO 7653 Pump Mounting DIN 5462 Shaft
- **RA** = Rotatable SAE “B” 2-Bolt Flange, SAE “B” Shaft (7/8" - 13T)
- **RB** = Rotatable SAE “B” 4-Bolt Flange, SAE “B” Shaft (7/8" - 13T)
- **RF** = Rotatable SAE “B” 2 or 4-Bolt Flange, SAE “BB” Shaft (1" - 15T)

Assembly Arrangement
3, 4, 5, 6

Shift Option
- [1] **A** = Air Shift
- **V** = Air Shift w/o Installation Kit
- [1] **P** = 12V Elec/Air Shift
- [1] **Q** = 24V Elec/Air Shift
- [21] **S** = Air Shift with PTO/Dump Pump Combo Valve w/ Kick Out w/ Neutral Spring Return
- [21] **T** = Air Shift with PTO/Dump Pump Combo Valve w/o Kick Out w/ Neutral Spring Return



[1] Includes mounting parts
[3] Available in 3 and 5 assembly only
[21] Includes installation kit, console sold separately

Specifications Chart	Approximate Weight: 49 lbs. [22 kg]	
	236*A, D, K & Q	**236*U**
Intermittent & Continuous Torque Rating (lbs-ft) [Nm]	250 [339]	225 [305]
HP Rating for Intermittent & Continuous Service		
At 500 RPM of Output Shaft (HP) [Kw]	24 [18]	21 [16]
At 1000 RPM of Output Shaft (HP) [Kw]	48 [36]	43 [32]

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Supersedes HY25-0092-B1/US February 2014
HY25-0092-B1/US August 2016

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