Chelsea® 524 Series
Two Gear Mechanically Shifted Rear Mount PTO

Overview:
The two gear design rear mount PTO provides a compact housing which helps eliminate clearance issues along with three speed ratios to meet your application requirements. High capacity bearings and robust gear designs provide torque ratings up to 300 lbs-ft [407 Nm] for the ultimate performance. The superior design of this PTO provides all the power you will need. There is no need to de-rate the PTO for continuous duty applications. The 524 is designed to fit on many popular transmissions and features six shift options integrated into the PTO system for a space saving design. The two direct mount pump flanges and the 1410 Flange options provide increased extended PTO and pump shaft versatility. Power, ease of maintenance and installation make the 524 Series a great choice for your vocational truck requirements.

Product Features and Benefits:
- **Torque** - Continuous torque rating up to 300 lbs-ft [407 Nm].
- **Rear Mount Design** - Requires less mounting space and simplifies installation.
- **Backlash** - None to set - simplifying installation.
- **Connection** - Sealed bayonet connector for Indicator Switch.
- **Pump Flange** - Two (2) Direct mount pump options. 1410 Flange for Driveline.
- **Shift Options** - Six (6) shift options.

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524 SERIES POWER TAKE-OFF SPECIFICATIONS AND TECHNICAL DATA

Basic Model

524

Mounting Option

X = ISO 7653 80mm x 80mm Mount

Gear Ratio

M = 1:1.00
T = 1:1.33
V = 1:1.80

Input Option

AC = ZF-AS Tronic Meritor Freedomline™
AH = ZF S6-65/66/70/75/80/90, 6S-800
6S-1000, 6S-1200
AS = Volvo I-Shift and Mack mDrive
LZ = Eaton Endurant™

NOTE: For more details, see Application Catalog
(Transmission Model Number required)

Lube Option

X = Dry Spline

Output Option

XK = SAE B 2 or 4-Bolt Flange, SAE B Shaft (7/8" - 13T)
XV = 1410 Series Companion Flange
XY = ISO 7653 Pump Mount DIN 5462 Shaft (8x32x36)

Shift Option

A = Air
D = Eaton Endurant™
V = Volvo I-Shift & Mack mDrive Kit
P = 12V Elec/Air Shift
Q = 24V Elec/Air Shift
F = 12V Elec/Air ZF-As Tronic Meritor Freedomline™
H = No Shift Kit (Indicator/Connector Included)

Specifications Chart

<table>
<thead>
<tr>
<th></th>
<th>524*M</th>
<th>524*T</th>
<th>524*V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intermittent &amp; Continuous Torque Rating (lbs-ft) [Nm]</td>
<td>300 [407]</td>
<td>300 [407]</td>
<td>258 [350]</td>
</tr>
<tr>
<td>HP Rating for Intermittent &amp; Continuous Duty</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>At 500 RPM of Output Shaft (HP) [Kw]</td>
<td>29 [22]</td>
<td>29 [22]</td>
<td>25 [18]</td>
</tr>
<tr>
<td>At 1000 RPM of Output Shaft (HP) [Kw]</td>
<td>57 [43]</td>
<td>57 [43]</td>
<td>49 [37]</td>
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</tbody>
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Approximate Weight: 22.3 lbs. [10.1 kg]

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