INCREASED LIFESPAN, UNCOMPROMISED RATING, GREATER ADVANTAGE

The first in the Titan® Class of power take-offs, the Titan MC1 Series is a medium-duty, 10-bolt mounting, clutch shift PTO. Designed to fit Allison 3000/4000 Series transmissions, the Titan MC1 showcases various product improvements including a robust clutch pack design, maximized gear design, internally pressure-lubricated tapered roller bearings for long life and an updated shift cover allowing 360-degree rotation for easier installation. Featuring a redesigned housing, the Titan MC1 Series allows for maximum clearance for installation on tight-fitting envelopes including Hino trucks.

KEY FEATURES

- Increased clearance for easier access
- Unique shift cover allows 360-degree rotation
- Improved clutch pack design for increased life
- Improved tapered roller bearings increase life of PTO
- Increased input shaft diameter to increase life and durability
- Reduced leak paths
- Maximized gear design for improved life and noise reduction

- Pump flange rotation at 30-degree intervals
- Available with all options previously available on CS24/25 and HS24
- Self-adjusting shaft brake
- Single torque rating
- Compatible with Muncie Power’s EX Drive shaft extension
- Available with Muncie Start® – an electronically controlled, modulated clutch engagement system that eliminates torque spikes upon start up for high-interia loads

PTO TORQUE & HORSEPOWER RATINGS

<table>
<thead>
<tr>
<th>SPEED RATIO</th>
<th>INTERMITTENT/CONTINUOUS HP @ 1,000 RPM</th>
<th>INTERMITTENT/CONTINUOUS TORQUE LBS.FT.</th>
<th>INTERMITTENT (KW) @ 1,000 RPM</th>
<th>INTERMITTENT/CONTINUOUS TORQUE (NM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>05</td>
<td>77</td>
<td>400</td>
<td>(57)</td>
<td>(542)</td>
</tr>
<tr>
<td>06</td>
<td>77</td>
<td>400</td>
<td>(57)</td>
<td>(542)</td>
</tr>
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<td>07</td>
<td>79</td>
<td>415</td>
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<td>(563)</td>
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<td>08</td>
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<td>360</td>
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<td>09</td>
<td>65</td>
<td>340</td>
<td>(48)</td>
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<td>(373)</td>
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<td>12</td>
<td>50</td>
<td>265</td>
<td>(37)</td>
<td>(359)</td>
</tr>
<tr>
<td>15</td>
<td>39</td>
<td>205</td>
<td>(29)</td>
<td>(278)</td>
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</tbody>
</table>

Approximate Weight: 47.2 lbs. (21.4 Kg.)
**DIMENSIONS**

```
“3” Arrangement

3.44 [87.4]

7.49 [194.1]

4.34 [109.9]

0.97 [24.6]

“5” Arrangement

7.72 [196.2]

4.47 [113.5]

“1” Arrangement

3.44 [87.4]

7.49 [194.1]

4.34 [109.9]

0.97 [24.6]

All Arrangements

6.87 [174.5]

3.23 [82.0]

3.97 [100.9]

2.41 [61.2]
```

**OUTPUT OPTIONS**

```
“1X” OUTPUT - 1¼” ROUND KEYED SHAFT

1.25” RND SHAFT W/ 5/16” KEY

M12 x 1.75-2B (4 PLC’S)

3.10 [78.7]

3.150 [80]

3.500 [88.9]

⅝”-9T SHAFT, 2-BOLT SAE-“A”

3.250 [82.5]

0.625 [15.9]

“2I” OUTPUT - DIN 5462 EURO WITH M12 TAP

3.10 [78.7]

3.150 [80]

0.390 [9.9]

“AA” OUTPUT - SAE “A” ⅜” 9T SHAFT, 2-BOLT SAE-“A”

4.188 [106.4]

3.500 [88.9]

0.390 [9.9]

1/8-16 UNC-2B (2 PLC’S)

3.250 [82.5]

0.625 [15.9]
```
### MODEL NUMBER CONSTRUCTION

**MC1-A10 07-HX 3 BB PX**

**Model**
- MC1 – Medium Duty Clutch Shift 10-Bolt

**Transmission Gear**
- A10 – Allison 3000/4000 series

**Ratio**
- 05 – .54:1 Output Speed
- 06 – .63:1
- 07 – .73:1
- 08 – .84:1
- 09 – .90:1
- 10 – .97:1
- 11 – 1.11:1
- 12 – 1.19:1
- 15 – 1.48:1

**Shift Type**
- HX – Elec/Hyd 12V
- HR – Elec/Hyd 12V Remote Mount
- JX – Elec/Hyd 24V
- JR – Elec/Hyd 24V Remote Mount
- XP – Elec/Hyd Without Activation Components
- SX – Muncie Start® 12VDC Integral
- SR – Muncie Start® 12VDC Remote Mount

**Assembly Arrangement**
- 1 – Right Side Shaft Low
- 3 – Left Side Shaft Low
- 5 – Top/No Offset (Straight Out From Opening)

**Special Features**
- PX – Standard Hose Kit
- BX – Hose Kit for Top Opening
- US – Pulse Generator & SPD-1001
- UX – Pulse Generator & Standard Hose Kit
- UB – Pulse Generator & Top Hose Kit
- XX – Hose Delete Kit
- PW – Wet Spline & Standard Hose Kit

**Output Type**
- 1X – 1¼” Round Shaft
- 2I – DIN 5462 Euro
- AA – SAE “A” ¾” 9T, 2-Bolt SAE-“A”
- BA – SAE “B” ¾” 13T, 2-Bolt SAE-“A”
- BB – SAE “B” ¾” 13T, 2- & 4-Bolt SAE-“B”
- BS – SAE “B” ¾” 13T, 2-Bolt SAE-“B”
- CB – SAE “C” 1¼” 14T, SAE-“B”
- CC – SAE “C” 1¼” 14T, 2- & 4-Bolt SAE-“C”
- II – DIN 5462
- PB – SAE “BB” 1” 15T 2- & 4-Bolt SAE-“B”
- PS – SAE “BB” 1” 15T 2-Bolt SAE-“B”
- TA – SAE ¾” 11T, 2-Bolt SAE-“A”
- X2 – 1½” 10T, DIN Companion
- X4 – 1½” 10T Male, 1410 Companion

### OUTPUT OPTIONS (CONT)

```
"X2" OUTPUT - 1½" 10T, DIN Companion Flange

"X4" OUTPUT - 1½" 10T, 1410 Companion
```

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