Overview:

The 897 Series Power Take-Off (PTO) mounts like a standard side mounted PTO with an extended shaft and additional bracket at the rear of the transmission for greater pump support. The output of the PTO is beyond the rear of the transmission where there is extra space to mount larger pumps. The 897 Series is a single unit, not a PTO with an extension. The main shaft is a one piece solid shaft eliminating the input splines between the PTO and the shaft. The output utilizes Wet Spline Technology which virtually eliminates spline fretting problems.

- Fire & Rescue
- Pumper Cleaner
- Truck Cranes
- Refuse

Product Features and Benefits:

- **Pump Clearance** – Moves the PTO output flange to the rear of the transmission.
- **Compact Design** – Requires less space than current PTOs.
- **Power** – Torque ratings up to 670 lbs-ft.
- **Ratio Choices** – Multiple output ratios available.
- **Ease of Installation** – Installed in two pieces.
- **Single piece shaft** – Solid steel shaft.
- **Wet Spline outputs** – Extends shaft life for Pump & PTO.
- **Patent Pending**

Contact Information:

Parker Hannifin Corporation
Chelsea Products Division
8225 Hacks Cross Road
Olive Branch, MS 38654 USA

Phone: 1-888-PH4-TRUK
(1-888-744-8785)
Fax: 1-662-895-1069
chelseacustserv@parker.com

www.parker.com/chelsea
897 SERIES POWER TAKE-OFF SPECIFICATIONS AND TECHNICAL DATA

897 SERIES POWER TAKE-OFF SPECIFICATIONS AND TECHNICAL DATA

Basic Model
897

Mounting Option
X = Less Bracket & Hose Kit
3000 Family Side/Side
L = MD Left Side (5 Arr.)
N = MD Left Side w/ Cooler (3 Arr.)
M = MD Left Side w/ Retarder (5 Arr.)
R = MD Right Side w/o or w/o Cooler (5 Arr.)
Y = MD Right Rotated CW (5 Arr.)
3000 Family Side/Top
E = MD Left Side (5 Arr.)
F = MD Left Side w/ Retarder (5 Arr.)
T = MD Top Side w/ or w/o Cooler, w/o Retarder (5 Arr.)
4000 Family
H = HD Left Side (5 Arr.)
C = HD Left Side w/ Cooler (3 Arr.)
P = HD Left Side w/ Retarder (5 Arr.)
J = HD Left Side w/ Retarder (3 Arr.)
U = HD Top Side (5 Arr.)
K = HD Top Side w/ Retarder (5 Arr.)

Gear Ratio
A = 24/40
B = 25/39
C = 26/38
D = 27/37
E = 29/35
F = 31/33
G = 33/31
H = 34/30

Input Option
FJ = Allison

NOTE: For more details, see Application Catalog (Transmission model number required)

Output Option
3 Assembly Arrangement
AC = DIN 100 Flange
AB = DIN 120 Flange
36 CK = SAE B 2 or 4-Bolt Flange, SAE B Shaft (7/8" - 13T)
36 CF = SAE B 2 or 4-Bolt Flange, SAE BB Shaft (1" - 15T)
36 CZ = SAE B 2 or 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
36 CS = SAE C 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
36 ZS = SAE C 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
36 XS = SAE C 2 or 4-Bolt Flange, SAE D Shaft (1-3/4" - 13T)
36 DA = SAE D 4-Bolt Flange, SAE D Shaft (1-3/4" - 13T)
36 XV = 1410 Series Companion Flange
36 XY = ISO 7653 Pump Mounting DIN 5462 Shaft

5 Assembly Arrangement
AC = DIN 100 Flange
AB = DIN 120 Flange
35 XK = SAE B 2 or 4-Bolt Flange, SAE B Shaft (7/8" - 13T)
35 AF = SAE B 2 or 4-Bolt Flange, SAE BB Shaft (1" - 15T)
35 AZ = SAE B 2 or 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
35 XS = SAE C 2 or 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
35 ZS = SAE C 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
35 XS = SAE C 2 or 4-Bolt Flange, SAE C Shaft (1-1/4" - 14T)
35 DA = SAE D 4-Bolt Flange, SAE D Shaft (1-3/4" - 13T)
35 XV = 1410 Series Companion Flange
35 XY = ISO 7653 Pump Mounting DIN 5462 Shaft

Assembly Arrangement
36 3 = Right side - bulge down
36 5 = Left side - bulge up

Shift Option
M = Constant Mesh

Lube Option
W = Wet Spline

Input Option
FJ = Allison

NOTE: For more details, see Application Catalog (Transmission model number required)

Specifications Chart

<table>
<thead>
<tr>
<th></th>
<th>897*A</th>
<th>897*B</th>
<th>897*C</th>
<th>897*D</th>
<th>897*E</th>
<th>897*F</th>
<th>897*G</th>
<th>897*H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intermittent &amp; Continuous Torque Rating (lbs-ft) [Nm]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HP Rating for Intermittent &amp; Continuous Duty</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Approximate Weight: 86 lbs. [39 kg]

© 2020 Parker Hannifin Corporation

ENGINEERING YOUR SUCCESS.