Since 1996, Stewart & Stevenson has been the exclusive manufacturer of Allison Transmission’s Industrial Torque Converter line. A torque converter lengthens the lifecycle of the engine and the equipment it is coupled with by multiplying torque hydraulically. The torque converter applies power smoothly to the load, allowing the use of lower horsepower, and also provides the added benefit of protecting the engine against harmful lugging and stalling or shock load damage.

Stewart & Stevenson manufactures SSTC 300 to 900 Series Torque Converters that serve a variety of industrial applications, including oilfield equipment, cranes, drilling rigs, pump drives, rail equipment, rock crushers, winches and hoists. Smooth, efficient transmission of engine power to the job means:

- Lower maintenance cost
- Faster job cycles
- Lower fuel costs
- Less downtime

Stewart & Stevenson provides comprehensive aftermarket support that includes rebuild of all applications, readily available parts and field service.

<table>
<thead>
<tr>
<th>Model</th>
<th>SSTC SERIES 300</th>
<th>SSTC SERIES 400</th>
<th>SSTC SERIES 500</th>
<th>SSTC SERIES 680</th>
<th>SSTC SERIES 800</th>
<th>SSTC SERIES 900</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Input Power (Max)</td>
<td>160 hp (119 kW)</td>
<td>206 hp (154 kW)</td>
<td>330 hp (246 kW)</td>
<td>412 hp (307 kW)</td>
<td>450 HP (1965 kW)</td>
<td>426 hp (318 kW)</td>
</tr>
<tr>
<td>Net Input Torque (Max)</td>
<td>280 ft lb (380 N·m)</td>
<td>360 ft lb (488 N·m)</td>
<td>615 ft lb (834 N·m)</td>
<td>865 ft lb (1173 N·m)</td>
<td>1450 ft lb (1965 N·m)</td>
<td>1065 ft lb (1444 N·m)</td>
</tr>
<tr>
<td>Input Speed (Max)</td>
<td>3000 rpm</td>
<td>3000 rpm</td>
<td>3000 rpm</td>
<td>2500 rpm</td>
<td>2250 rpm</td>
<td>2100 rpm</td>
</tr>
<tr>
<td>Oil Type</td>
<td>Hydraulic transmission fluid, C-3</td>
<td>Hydraulic transmission fluid, C-4</td>
<td>Hydraulic transmission fluid, C-4</td>
<td>C4 15W-40 or C4 30W</td>
<td>Hydraulic transmission fluid, C-4</td>
<td>Hydraulic transmission fluid, C-4</td>
</tr>
<tr>
<td>Converter Oil Capacity</td>
<td>2.5 U.S. gal (9.5 liters)</td>
<td>Remote sump 10 U.S. gal (37.9 liters)</td>
<td>Remote sump 10 U.S. gal (37.9 liters)</td>
<td>Remote sump 20 gallon min</td>
<td>Remote sump 10 U.S. gal (37.9 liters) min</td>
<td>Remote sump 10 U.S. gal (37.9 liters) min</td>
</tr>
<tr>
<td>Type</td>
<td>1-stage, 2-phase, 3-element</td>
<td>1-stage, 2-phase, 3-element</td>
<td>1-stage, 2-phase, 3-element</td>
<td>1-stage, 2-phase, 3-element</td>
<td>1-stage, 3-phase, 4-element</td>
<td>1-stage, 3-phase, 4-element</td>
</tr>
<tr>
<td>Output Shaft</td>
<td>Automotive or industrial</td>
<td>Automotive or industrial</td>
<td>Automotive or industrial</td>
<td>Automotive or industrial</td>
<td>Automotive or industrial</td>
<td>Automotive or industrial</td>
</tr>
<tr>
<td>Flywheel Housing</td>
<td>SAE 3</td>
<td>SAE 1</td>
<td>SAE 1</td>
<td>SAE 1</td>
<td>SAE 1½ (SAE 0 to ½ adapter available)</td>
<td>SAE 1½ (SAE 0 to ½ adapter available)</td>
</tr>
<tr>
<td>Weight, Dry</td>
<td>425 lb (193 kg) approx.</td>
<td>606 lb (282 kg) approx.</td>
<td>608 lb (282 kg) approx.</td>
<td>608 lb (282 kg) approx.</td>
<td>608 lb (282 kg) approx.</td>
<td>950 lb (431 kg) approx.</td>
</tr>
</tbody>
</table>

See reverse for more details
TORQUE CONVERTERS
SSTC 300 TO 900 SERIES

TORQUE CONVERTER FEATURES

Built-in Features
- Oil system
- Charging pump
- Oil sump (SSTC 300 only)
- Standard greased gear drive (SSTC 300 only)

SSTC 800, 900 Series
- Accessory drive
- 40 gpm (2.521/s) charging pump
- Manual input disconnect clutch
- Industrial shaft output or automotive flanges

Optional Features

SSTC 300 Series
- Over-running clutch
- Rear disconnect housing
- Oil cooler
- Industrial shaft output or automotive flanges
- Manual input disconnect clutch
- Accessory drive

SSTC 400, 500 Series
- Manual over center input disconnect clutch
- Over-running clutch
- Choice of torque converter ratios
- Industrial shaft output or automotive flanges
- Accessory drive
- Hydraulic lockup clutch

Typical Applications*
- Cranes
- Ditchers and trenchers
- Draglines
- Earth augers
- Material handling equipment
- Rail switchers
- Shovels
- Tow tractors
- Utility trucks
- Winches and hoists
- Drilling rigs
- Snow plows
- Oilfield equipment
- Rock crushers
- Ski tows
- Pump drives
- Locomotives
- Rail equipment

*S other applications are available. Consult your local distributor for details.

Contact us today!

Torque Converter Sales
+1 432-620-4555
11120 W. Highway 80 East
Odessa, TX 79765