

TORQUE CONVERTERS

SSTC 300 TO 900 SERIES



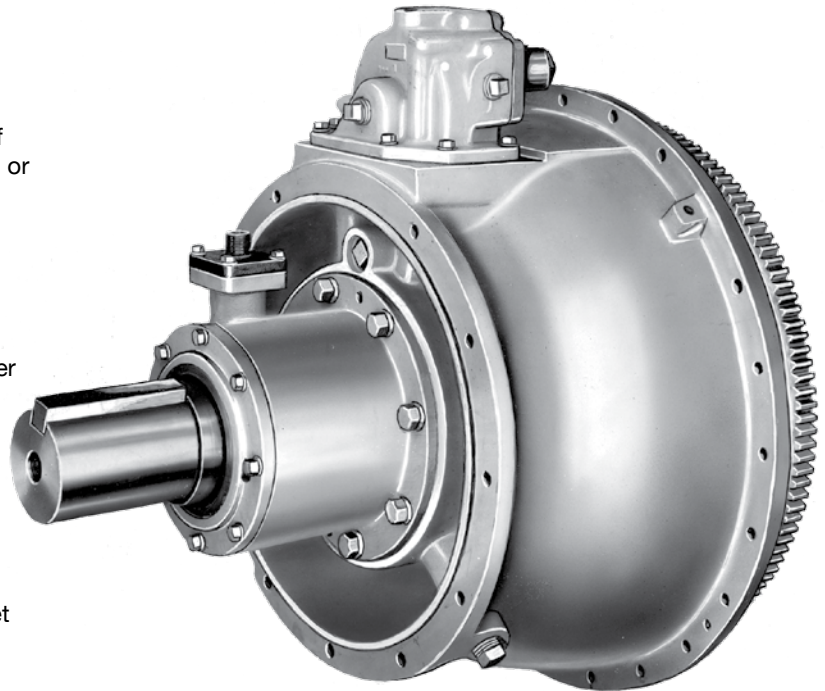
www.stewartandstevenson.com

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.



STEWART & STEVENSON TORQUE CONVERTERS

Model	SSTC SERIES 300		SSTC SERIES 400			SSTC SERIES 500			SSTC SERIES 680	SSTC SERIES 800		SSTC SERIES 900	
	SSTC 350	SSTC 370	SSTC 430	SSTC 450	SSTC 470	SSTC 550	SSTC 570	SSTC 580	SSTC680	SSTC 840	SSTC 850	SSTC 940	SSTC 950
Stall Torque Ratio	3.04:1	2.38:1	3.56:1	3.20:1	2.97:1	3.29:1	3.12:1	2.89:1	2.08:1	2.92:1	3.98:1	2.71:1	3.67:1
Net Input Power (Max)	160 hp (119 kW)	206 hp (154 kW)	330 hp (246 kW)			412 hp (307 kW)			450 HP (1965 kW)	426 hp (318 kW)		426 hp (318 kW) 588 hp (438kW) with high capacity charge pump	
Net Input Torque (Max)	280 ft lb (380 N-m)	360 ft lb (488 N-m)	615 ft lb (834 N-m)			865 ft lb (1173 N-m)			1450 ft lb (1965 N-m)	1065 ft lb (1444 N-m)		1065 ft lb (1444 N-m) 1470 ft lb (1993 N-m) with high capacity charge pump	
Input Speed (Max)	3000 rpm	3000 rpm	3000 rpm			2500 rpm			2250 rpm	2100 rpm		2100 rpm	
Oil Type	Hydraulic transmission fluid, C-3		Hydraulic transmission fluid, C-4			Hydraulic transmission fluid, C-4			C4 15W-40 or C4 30W	Hydraulic transmission fluid, C-4		Hydraulic transmission fluid, C-4	
Converter Oil Capacity	2.5 U.S. gal (9.5 liters)		Remote sump 10 U.S. gal (37.9 liters) min			Remote sump 10 U.S. gal (37.9 liters) min			Remote sump 20 gallon min	Remote sump 10 U.S. gal (37.9 liters) min		Remote sump 10 U.S. gal (37.9 liters) min	
Type	1-stage, 2-phase, 3-element		1-stage, 2-phase, 3-element			1-stage, 2-phase, 3-element			1-stage, 2-phase, 3-element	1-stage, 3-phase, 4-element		1-stage, 3-phase, 4-element	
Output Shaft	Automotive or industrial		Automotive or industrial			Automotive or industrial			Automotive or industrial	Automotive or industrial		Automotive or industrial	
Flywheel Housing	SAE 3		SAE 1			SAE 1			SAE 1	SAE ½ (SAE 0 to ½ adapter available)		SAE ½ (SAE 0 to ½ adapter available)	
Weight, Dry	425 lb (193 kg) approx.		608 lb (282 kg) approx.			608 lb (282 kg) approx.			608 lb (282 kg) approx.	950 lb (431 kg)		950 lb (431 kg)	

See reverse for more details

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TORQUE CONVERTER FEATURES

Built-in Features

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

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

SSTC 800, 900 Series

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

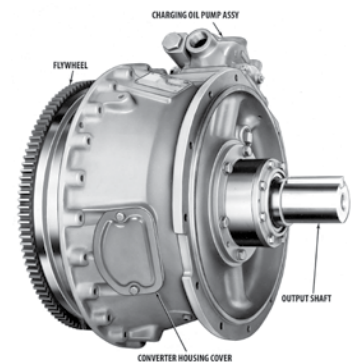
Typical Applications*

- 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

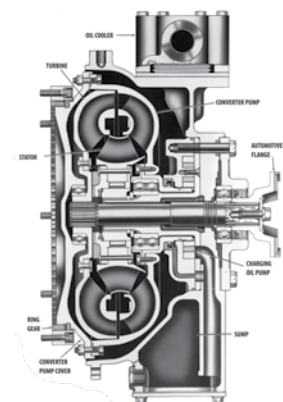
* Other applications are available.
Consult your local distributor for details.



Series 800 & 900



Series 400 & 500



Series 300

Contact us today!

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