

Specifications
Model C & CL8000
Torque Converter



OFF-HIGHWAY SYSTEMS



The Spicer C8000 Series Torque Converter was designed for and has found excellent acceptance in vehicles used in the construction, logging, mining, material handling and other industrial applications. The Series features 11 different capacities to handle engines from 300 to 550 horsepower and are matched to the Spicer remote 1000 Series transmissions. The basic design provides two pump drives to be able to match customer needs to drive a myriad of vocational equipment. Lockup, tachometer, and governor drives, engine and converter output speed sensors, and a selection of offset ratios are offered as options.

Flywheel Housing Size SAE No. 1 (Dry)
Flex Plate Drive Bolt Circle Options 15.00”, 16.00”, and 17.00”

Converter Data

Wheel Group Sizes	14.0	15.0	15.4	15.5	15.7	16.0	16.1	16.3	16.4	16.5	16.7
Stall Torque Ratios	3.10	3.09	2.22	1.78	2.29	3.05	2.54	2.02	2.08	1.78	2.29

Input Power 125 to 550 hp (224 to 410 kW)
Maximum Input Torque 1400 lb-ft (1898 Nm)
Maximum Input Speed 2700 rpm

Pump Drive Data

SAE Mounting Size	SAE Spline
“B” 2 Bolt	13 tooth, 16/32 pitch
“C” 2 or 4 Bolt	14 tooth, 12/24 pitch

Pump Drive Ratings:

Maximum Continuous 400lbs.-ft. 540 Nm	Maximum Intermittent 500 lbs.-ft. 675Nm
---	---

Pump Drive Ratio and Rotation: Standard: 0.946:1 Overdrive - Rotates Opposite Engine
Optional: 0.800:1 Overdrive - Rotates Opposite Engine
0.895:1 Overdrive - Rotates Opposite Engine
1.057:1 Underdrive - Rotates Opposite Engine
1.250:1 Underdrive - Rotates Opposite Engine

Weight: w/o Lockup 540-580 lbs (245-263 kg)
with Lockup 580-620 lbs (263-281 kg)

Output Flange Options:

6C, 7C, 8C**. 8.5C, 1600*, 1700, 1800**, 387/30, 387/40

*Metric Available

** Charging pump can only be used at 3 and 7 o'clock positions to avoid flange-pump interference

APPLICATION POLICY

Capacity ratings, features and specifications vary depending upon the model and type of service. Application approvals must be obtained from Off-Highway Systems. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.



OFF-HIGHWAY SYSTEMS

**1293 Glenway Drive
Statesville, NC 28625**

Tel: (704) 873-2811 Fax: (704) 878-5616