

Spicer® C8000 Series Torque Converter

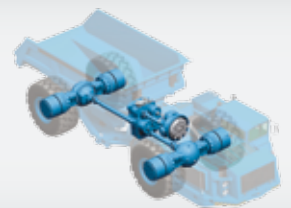
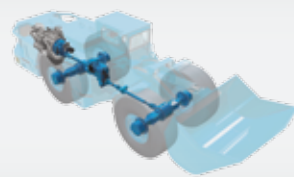
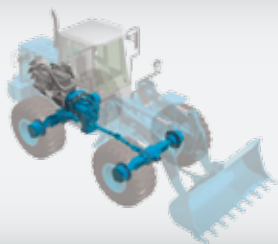
224 to 410 kW (300 to 550 hp)



SPICER®
Off-Highway Systems



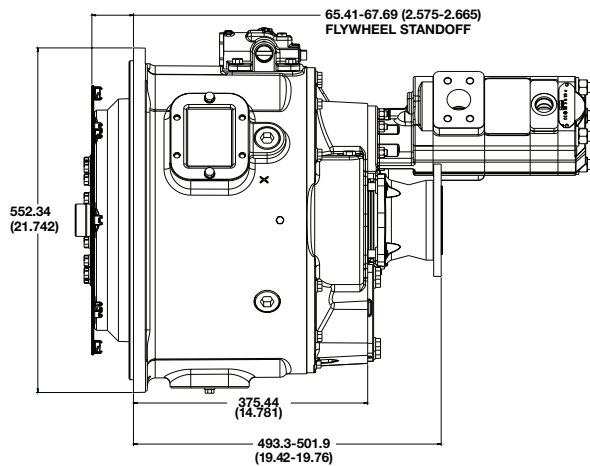
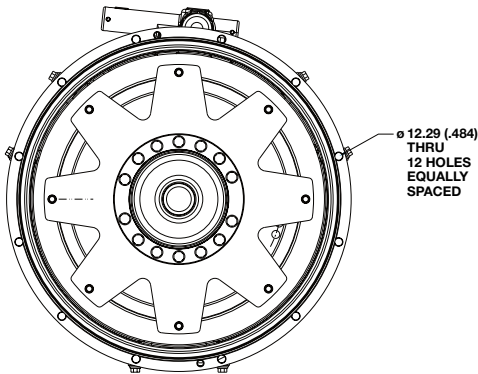
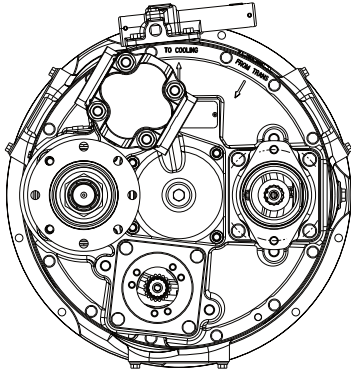
Delivers high operating efficiency for construction, logging, mining, material-handling, and other industrial applications.



Spicer® C8000 Series Torque Converter

224 to 410 kW (300 to 550 hp)

The Spicer® C8000 Series torque converter is designed for vehicles used in the construction, logging, mining, material-handling, and other industrial applications. This series features 11 different capacities to handle engines from 300 to 550 horsepower and is matched to Spicer remote 1000 Series transmissions. The basic design provides two pump drives to meet customer needs to drive a wide variety of vocational equipment.



Converter	
Flywheel Housing Size	SAE No. 1 (Dry)
Flex Plate Drive Bolt Circle Options mm (in)	381, 406.4, 431.8 (15.00, 16.00, 17.00)
Input Power kW (hp)	224 to 410 (300 to 550)
Torque Capacity Nm (ft-lb)	1898 (1400)
Input Maximum (RPM)	2700
Torque Converter Diameter mm (in)	355.6, 381, 406.4 (14, 15, 16)
Stall Torque Ratio Options	1.78 up to 3.10

Pump Drive	
SAE Mounting Size	SAE Spline
"A" – 2-Bolt	9-Tooth, 13/32 Pitch
"B" – 2-Bolt	13-Tooth, 16/32 Pitch
"C" – 2- or 4-Bolt	14-Tooth, 12/24 Pitch
6-Bolt	
2.625" Pilot	9- or 13-Tooth, 16/32 Pitch
Pump Drive Ratings Nm (ft-lb)	Maximum Continuous – 540 (400)
	Maximum Intermittent – 675 (500)
Pump Drive Ratio and Rotation	Standard: 0.946:1 Overdrive – Rotates Opposite Engine

Flanges	
Spicer	1600, 1700, 1600M, 1800
Mechanics	6C, 7C, 8C, 8.5C, 9C
GWB	387/30, 387/40, 155KV70, 180KV70

Weight	
Without Lock-up kg (lb)	245 to 263 (540 to 580)
With Lock-up kg (lb)	263 to 281 (580 to 620)

Features and Benefits

- Offset drive
- Turbine tachometer drive
- SAE "A", "B" and "C" pump mounting
- Lock-up
- Engine inductive sensor
- Output inductive sensor
- Flex plate drive
- SAE flywheel housing 1
- High operating efficiency

- Engineered specifically for off-highway equipment
- Optimized cast blading results in high efficiencies
- Flexible installation

Options

- Lock-up, tachometer, and governor drives
- Engine and converter output speed sensors
- Selection of offset ratios

Sales Office – Italy
Zona Industriale
Arco, Italy 38062

www.dana.com/offhighway



SPICER®

Off-Highway Systems

Application Policy

Capacity ratings, features, and specifications vary depending upon the model and type of service. Application approvals must be obtained from Dana; contact your representative for application approval. We reserve the right to change or modify our product specifications, configurations, or dimensions at any time without notice.