

THE CAT® TR16 TRANSMISSION

The Cat® TR16 transmission is designed for off-highway applications and is compatible with the Cat C7.1 engine.



NUMBER OF GEARS

Gears (Forward/Reverse)

5F / 3R

RATINGS

Max Net Input Power	155 kW	208 hp
Max Input Torque	688 N•m	508 lb-ft
Max Input Speed		2,500 rpm
Max Converter Out Stall Torque	1719 N•m	1,268 lb-ft

ROTATION

Rotation Direction	Counterclockwise
Output Rotation	Forward: Counterclockwise / Reverse: Clockwise

ELECTRICAL SYSTEM

Electrical System	24V
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TORQUE CONVERTER

Series	TC36
Stall Torque Ratio	2.85
Housing	SAE 2 (wet)
Mounting	Integral (Standard)

CLUTCHES

Electro-Hydraulic Oil Cooled, Multidisc

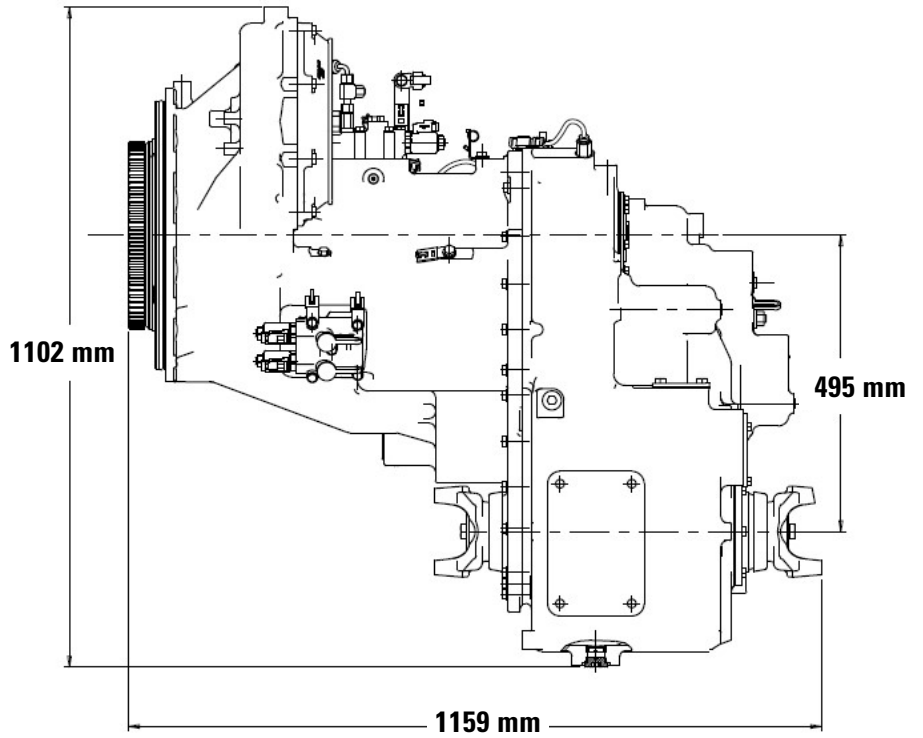
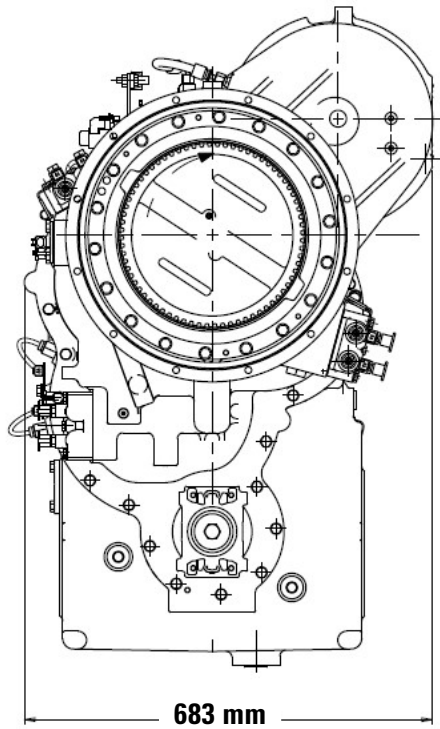
Cat® Electronic Clutch Pressure Control (ECPC)

OUTPUT YOKES

Output Size (Half Round)	1610 Front, 1610 Rear
Output Direction	Dual

OIL SYSTEM

Oil	Cat TDTO SAE 30
Max Oil Temperatures	Cooler max outlet 99°C, cooler max inlet 121°C
Filter Type	β12=75 Synthetic Cartridge Remote Mounted



GEARS

Transmission Gearing Type	Straight Spur Countershaft	
	Gear	Ratio
Forward	1F	4.08
	2F	2.49
	3F	1.55
	4F	1.16
	5F	0.72
Reverse	1R	-4.08
	2R	-2.49
	3R	-1.16

AUXILIARY PUMP DRIVE

Transmission Pump Location	Remote (362-9554)
Drive Ratio	1:1
Torque Capacity	Approx 680 N•m (502 ft-lb)
Pad Type	SAE J744 152-4 (D)
Pump Mounting	4 Bolt

WEIGHT

Approximate Dry Weight	703 kg	1,550 lb
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For more information, contact your OEM Solutions Account Manager or email oem_solutions@cat.com

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