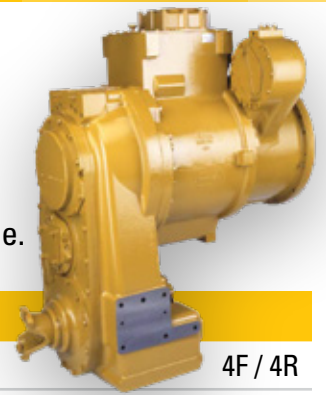


THE CAT® TR43-E44 TRANSMISSION

The Cat® TR43-E44 transmission is designed for 2WD or 4WD locomotive, subway, and railway applications. It's compatible with the Cat C9.3B and C13B engines, and can be used by vehicles that frequently make directional changes during a normal work cycle.



NUMBER OF GEARS

Gears (Forward/Reverse)

4F / 4R

RATINGS

Maximum Input Power	370 kW	496 hp
Maximum Input Torque	2095 N•m	1,545 lb-ft
Maximum Input Speed		2,100 rpm
Minimum Input Speed		700 rpm

ROTATION

Rotation Direction	SAE J824 Standard, Counterclockwise
Output Rotation	Forward: Counterclockwise / Reverse: Clockwise

MOUNTINGS

Engine-Mount Installation Configuration

ELECTRICAL SYSTEM

Electrical System	12V or 24V
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TORQUE CONVERTER

Series	TC40 (non-lockup)
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CLUTCHES

Electro-Hydraulic Oil Cooled, Multidisc

Cat® Electronic Clutch Pressure Control (ECPC)

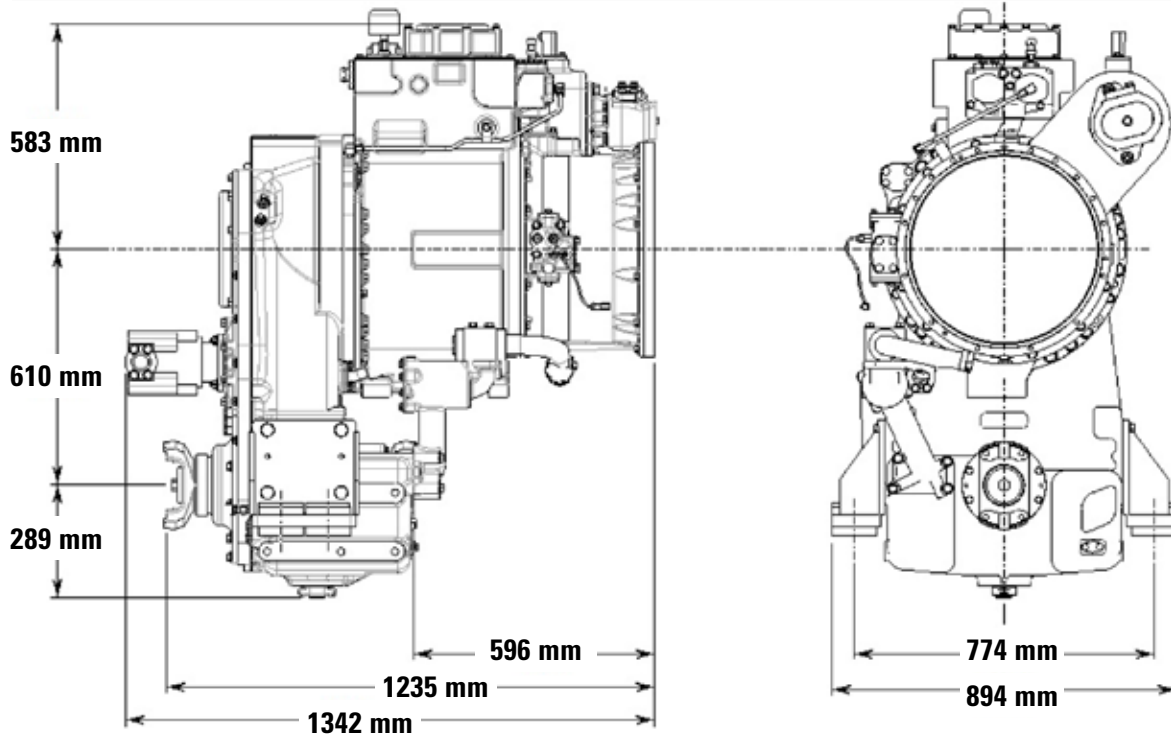
INSTALLATION CONNECTIONS

Input	SAE #1 Wet Flywheel Housing
Output	Yoke (10C) x 2
Electrical Control	1 Bundle
Hydraulic Connections	Oil Cooler and Filter

OIL SYSTEM

Oil	Transmission/Drive Train Oil-4 (TDTO™)
Sump Oil Temperatures	Continuous: 95°C (204°F) Max. Intermittent: 116°C (241°F) Max. Converter Outlet Temperature: 124°C (255°F)
Hydraulic Fill Capacity	83 L 18 gal
Filter Type	8-Micron Paper Cartridge, Remote Mounted





GEARS

	Gear	Ratio
Forward	1F	6.560
	2F	3.667
	3F	2.060
	4F	1.1667
Reverse	1R	-4.782
	2R	-2.676
	3R	-1.511
	4R	-0.851

AUXILIARY PUMP DRIVES ON TORQUE CONVERTER (OPTIONAL)

Up to 2 PTOs Integral Live Drive From Input Shaft

Location	2:00 front-facing / 11:00 rear-facing
Mountings	1 Rear-Facing Mounting Pad, SAE "C" 2-bolt flange and 14 tooth spline
Torque Capacity	641 N•m continuous per drive

WEIGHT

Approximate Dry Weight	1744 kg	3,845 lb
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For more information, contact your OEM Solutions Account Manager or email oem_solutions@cat.com

AEXJ0169

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