

Petroleum

SPECIFICATIONS

Gross Input Power — hp (kW)	1500 (1118)
Gross Input Torque —	
lb-ft (N•m)	4422 (5995)
Rated Input Speed — rpm	2100
Maximum Input Speed — rpm	2200
Weight, Dry (approx) — lb (kg)	
Engine	3735 (1694)
Engine/Transmission Coupling	238 (108)
Gears	
Type	Straight spur planetary
Forward/Reverse	7F/0R
Transmission Speed Ratios	

Gear	Ratio
1F	6.16
2F	4.52
3F	3.33
4F	2.47
5F	1.82
6F	1.36
7F	1.00

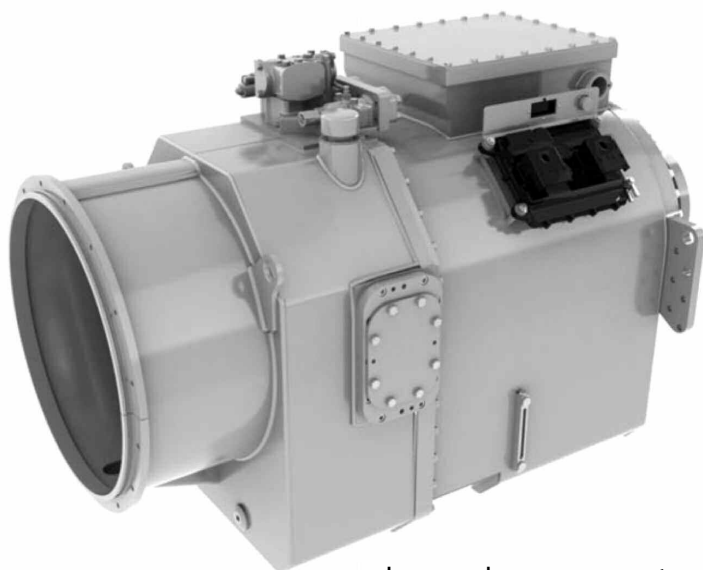


Image shown may not
reflect actual transmission

STANDARD EQUIPMENT

Cartridge or spin-on oil filters (remote mountable options)
Electronic Control Unit (ECU)
Electronic data link, SAE J1939, SAE J1587
Electrical system 24V
Integral torque converter
Oil level sensor
SAE No. 1 bell housing
SAE No. 2 mounting pads
Side PTO mounting (1 o'clock, 8 o'clock)

CAT® ENGINES FOR OPTIMIZED POWERTRAIN

C13, C15

ACCESSORY EQUIPMENT

Cat® Messenger Display
Hydraulic retarder
Rear PTO provision

ELECTRONIC FEATURES

SAE J1939 communications with vehicle systems, including:

- Engines
- OEM dashboards
- Antilock braking systems
- Traction control systems
- Caterpillar® ET service tool

Electronic drivers and switch inputs

- PTO operation
- Starter interlock
- Backup alarm
- Range and speed indication

Shift Selector

- 6 button, dual display
- Lever, dual display

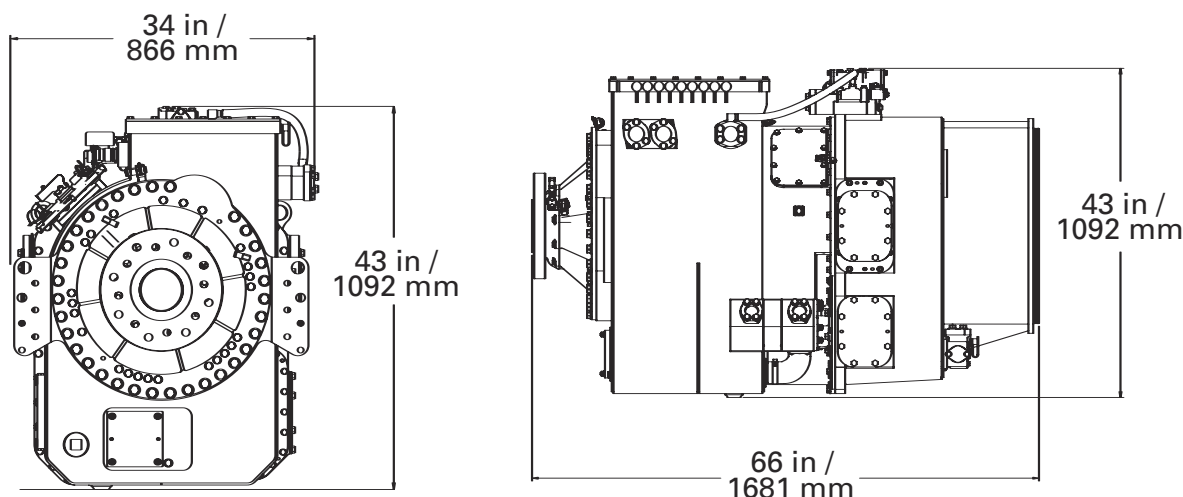
Cat Messenger Display compatibility

- Transmission and engine status display
- Transmission and engine diagnostic display
- Reprogramming of selected engine and transmission customer parameters

Customer Parameter Programming

- PTO functions
- Range selection inhibits
- Special vehicle operation modes
- Engine retarder operation modes

DIMENSIONS



CLUTCHES

Clutches — electro-hydraulic fully modulated, oil cooled, multidisc
 Clutch modulation control — Cat® Electronic Clutch Pressure Control (ECPC)

INSTALLATION CONNECTIONS

1 cooler
 1 pump
 1 electrical

OIL SYSTEM

Cat Transmission/Drive Train Oil-4 (TDTO) or equivalent
 Oil Temperatures
 Continuous — 195°F (90°C)
 Maximum Operating — 210°F (99°C)
 Hydraulic Fill Capacity — approx. 30 gal (114 L) subject to cooler size, lines, and installation — initial fill may be greater
 Filter Type — 6 micron synthetic, cartridge remote mount

MOUNTINGS

Structural application subject to Caterpillar approval
 Input connection (flywheel) — SAE #0
 Output connection (yoke) — GWB 390.60
 GWB 390.65

TORQUE CONVERTER

Series — TC58-ESLF
 Stall torque ratio — 2.20

TRANSMISSION ROTATION

Input rotation — Counterclockwise
 Output rotation — Counterclockwise

POWER TAKE OFF (PUMP AUXILIARY DRIVE)

Drive — engine driven
 Location — 3 positions (3 o'clock, 5 o'clock, and 9 o'clock from rear)
 Rated Power — 150 hp/112 kW continuous
 Mountings — SAE 8 bolt (J704)

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