



*Image shown may not reflect actual transmission*

## NUMBER OF GEARS

# Gears (Forward/Reverse)	4F / 4R
---------------------------	---------

## RATINGS

Rated Input Power	475 hp / 354 kW
Rated Input Torque	1,307 ft-lb / 1,772 N-m
Rated Input Speed	1,900 rpm
Maximum Input Speed	2,100 rpm
Minimum Input Speed	700 rpm

## ROTATION

Input Rotation	SAE J824 Standard
Output Rotation	Forward, Same as Input Reverse, Opposite Input

## MOUNTINGS

Input Connection (Flywheel)	Yoke
Output Connection (Yoke)	Non-Standard

## ELECTRICAL SYSTEM

Electrical System	12V or 24V
-------------------	------------

## TORQUE CONVERTER

Series	TC46-EI
Stall Torque Ratio at Rated Speed	3.08

## POWER TAKE OFF (PUMP AUXILIARY DRIVE)

Description	3 PTO's Integral Live Drive From Input Shaft
Location	2:00, 7:00, and 11:00
Mountings	3 Mounting Pads on Rear of Torque Converter
Rated Power	49.6 hp / 37 kW

## CLUTCHES

Clutches	Electro-Hydraulic Fully Modulated, Oil Cooled, Multidisc
Clutch Modulation Control	Cat® Electronic Clutch Pressure Control (ECPC)

## OIL SYSTEM

Oil	Cat Transmission/ Drive Train SAE 30 Transmission Drive Train Oil-4 (or Equivalent)
Max Oil Temperatures Continuous Operating	195°F / 90°C 210°F / 99°C
Hydraulic Fill Capacity	16.4 gal / 62 L
Filter Type	6 Micron Paper Cartridges Remote Mounted

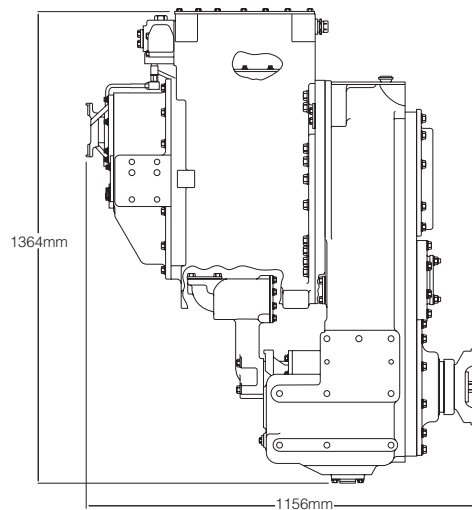
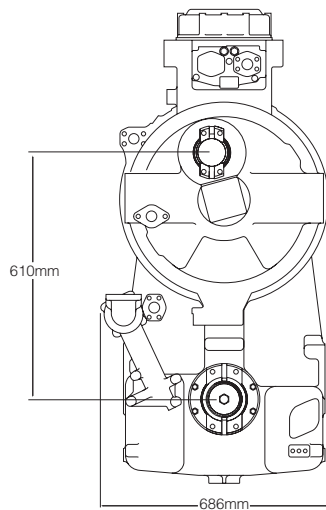
## GEARS

Transmission Gearing Type	Helical, Straight Spur Planetary
<i>*Gear Ratios</i>	
1F	5.6224
2F	3.1428
3F	1.7653
4F	1.0000
1R	-5.3669
2R	-3.0000
3R	-1.6851
4R	-0.9545

## WEIGHT

*\*Approximate Dry Weight*  
Weight without Retarder

2,600 lbs / 1,179 kg



### OEM Solutions Group

100 N.E. Adams Street  
Peoria, IL U.S.A. 61629-9310  
Phone: 309.636.1100  
Fax: 309.636.1087

Rm 805, Aetna Tower  
107 Zun Yi Road  
Shanghai, China P.C. 200051  
Tel: 86.21.6219.2723. ext. 131  
Fax: 86.21.6237.5494  
Mobile: 86.139.0175.1749

### ISO9001 Certified

P.O. Box 6000  
1211 Geneva 6, Switzerland  
Phone: 41.22.849.4217  
Fax: 41.22.849.4075  
Telex: 413323

AIG Aoyama Building 8F  
2-11-16 Minami Aoyama,  
Minato-kui  
Tokyo, Japan 107-0062  
Tel: 03.5786.3858  
Fax: 03.5786.3860

e-mail: OEMSolutions@Cat.com

Room 1701 China Life Tower  
No. 16 Chaoyangmenwai Avenue  
Chaoyang District, Beijing 100020  
Tel: 011.86.10.85253636 ext. 284

1 Caterpillar Drive  
Private Mail Bag 4  
Tullamarine  
Victoria 3043 Australia  
Tel: 61.3.9953.9365  
Fax 61.3.9953.9530

www.OEMSolutions.com

7 Tractor Road, Jurong Town  
Singapore 627968  
Tel: 65.6.662.8345  
Fax: 65.6.662.8347