

NEW ON-HIGHWAY TRUCKS

COMPARE MODELS

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CT660



CT681



CT680

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ENGINE

Engine Model

Cat® CT13 Engine

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Horsepower @ 1700 rpm

365 - 475 hp (268 - 349 kW)

365 - 430 hp (268 - 316 kW)

410-475 hp (305 – 354 kW)

Engine Type

Diesel, 4-Cycle

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Diesel, 4-Cycle

Bore

4.96 in

4.96 in

4.96 in

Stroke

6.54 in

6.54 in

6.54 in

Configuration

Inline 6-Cylinder

Inline 6-Cylinder

Inline 6-Cylinder

Displacement

758.0 in3

758.0 in3

758.0 in3

Compression Ratio

17:1

17:1

17:1

AspirationDual Series Turbochargers,
Intercooler and AftercoolerDual Series Turbochargers,
Intercooler and AftercoolerDual Series Turbochargers,
Intercooler and Aftercooler**Combustion System**

Direct Injection

Direct Injection

Direct Injection

Lubrication System Capacity

42.0 qt

42.0 qt

42.0 qt

Coolant Drain Interval

600,000 miles (965,606 km)

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Total Engine Weight (Dry)

2400.0 lb

2400.0 lb

2400.0 lb

Width

37.0 in

37.0 in

37.0 in

Length

59.0 in

59.0 in

59.0 in

Height

49.0 in

49.0 in

49.0 in

Valves4 Valves Per Cylinder,
Overhead Cam Actuated4 Valves Per Cylinder,
Overhead Cam Actuated4 Valves Per Cylinder,
Overhead Cam Actuated**Peak Torque @ 1000 rpm**1250 - 1700 lb-ft (1695 - 2305
Nm)

1550 lb-ft (2102 N-m)

1700 lb-ft (2304 N-m)

TRANSMISSION**Maximum Gross Input Power**

550.0 hp

550.0 hp

550.0 hp

Maximum Gross Input Torque

1700.0 lb ft

1700.0 lb ft

1700.0 lb ft

Transmission ModelCat CX31® Automatic
TransmissionCat CX31® Automatic
TransmissionCat® CX31 Automatic
Transmission**Speeds**

6 forward/1 reverse

6 forward/1 reverse

6 forward/1 reverse

Torque Converter:Cast aluminum design with
lock up clutchCast aluminum design with
lock up clutchCast aluminum design with
lock up clutch**Clutches:**Electro-hydraulic fully
modulated, oil cooled,
multidiscElectro-hydraulic fully
modulated, oil cooled,
multidiscElectro-hydraulic fully
modulated, oil cooled,
multidisc**Maximum Input Speed:**

2500 rpm

2500 rpm

2500 rpm

Length

35.3 in

35.3 in

35.3 in

Power Take-Off

Two side locations and a Cat
exclusive high output rear
PTO

Two side locations and a Cat
exclusive high output rear
PTO

Two side locations and a Cat
exclusive high output rear
PTO

Overall Weight with Retarder Option

1088.0 lb

1088.0 lb

1088.0 lb

Overall Length with Retarder Option

39.4 in

39.4 in

39.4 in

Rear PTO Capacity (rotation opposite of engine, at 1.25 engine speed)

800.0 ft-lb

800.0 ft-lb

800.0 ft-lb

Side PTO Capacity (rotation same as engine, ratio determined by PTO adaptor)

700.0 ft-lb

700.0 ft-lb

700.0 ft-lb

Overall Weight (approx.)

906.0 lb

906.0 lb

906.0 lb



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