

Product Specifications For 995



Engine

Engine Model	Cat® 3516E
Emissions	U.S. EPA Tier 4 Final/EU Stage V or U.S. EPA Tier 1 equivalent
Engine Power - ISO 14396	1377 kW
Gross Power - SAE J1995:2014	1394 kW
Net Power - SAE J1349 - Standard Ambient	1297 kW
Net Power - SAE J1349 - High Ambient	1265 kW
Bore	170 mm
Stroke	215 mm
Displacement	78.1 l
Peak Torque - 1,200 rpm - SAE J1995	11591 N·m
Torque Rise	39%
Note (1)	The power ratings apply when tested under the reference conditions for the specified standard.
Note (2)	The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner and muffler.
Note (3)	The gross power advertised is with the fan at maximum speed.

Operating Specifications

Operating Weight - Standard 246651 kg

Bucket Capacity Range 17.2-43.6 m³ (22.3-57 yd³)

Operating Weight - High Lift 248421 kg

Rated Payload - Standard Lift (Low to Moderate Digging Resistance) 54.4 t

Rated Payload - Standard Lift (Moderate to High Digging Resistance) 45.3 t

Rated Payload - High Lift (Low to Moderate Digging Resistance) 49.9 t

Rated Payload - High Lift (Moderate to High Digging Resistance) 45.3 t

Note *Please contact your local dealer to determine if your application is suitable for this increased rated payload.

Cat Truck Match - Standard 785/789

Cat Truck Match - High Lift 789/793/794

Transmission

Transmission Type Cat Planetary Power Shift

Forward - 1 7.4 km/h

Forward - 2 12.9 km/h

Forward - 3 21.9 km/h

Reverse - 1 8.1 km/h

Reverse - 2 14.1 km/h

Reverse - 3	24 km/h
Direct Drive - Forward 1	Lock-up disables
Direct Drive - Forward 2	14 km/h
Direct Drive - Forward 3	24.5 km/h
Direct Drive - Reverse 1	Lock-up disables
Direct Drive - Reverse 2	15.5 km/h
Direct Drive - Reverse 3	27 km/h
Note	Travel speeds based on 58/85-57 tires.

Hydraulic System - Lift/Tilt

Lift/Tilt System - Circuit	Positive Flow Control
Lift/Tilt System - Pump	Variable Displacement Piston
Maximum Flow at 1,700 rpm Engine Speed	2047 l/min
Relief Valve Setting - Lift/Tilt	34500 kPa
Cylinders, Double Acting - Lift, Bore and Stroke	370 × 1713 mm (14.6 × 67.4 in)
Cylinders, Double Acting - Tilt, Bore and Stroke	310 × 1086 mm (12.2 × 42.8 in)
Pilot System	Open Loop and Pressure Reducing

Hydraulic Cycle Times

Rack Back	4.9 s
Raise	12.6 s
Dump	3.1 s

Lower Float Down

4.2 s

Complete System Fill

Fuel Tank - Standard

3240 l

Fuel Tank - With 24 hr Attachment

5350 l

Cooling System

520 l

Engine Crankcase

288 l

Transmission

416 l

Differential - Final Drives - Front

833 l

Differential - Final Drives - Rear

757 l

Hydraulic Tank - Implement and Hydraulic Fan

1022 l

Hydraulic Tank - Steering and Braking

379 l

Oil Renewal System (ORS)*

75.7 l

Note

*Not available on Tier 4 Final/Stage V machines. Not available in all regions.

Axles

Front

Fixed

Rear

Trunnion

Oscillation Angle

9°

Cooling System

Ambient Capability Hydraulically Driven Demand Fan - Standard

43 °C

Ambient Capability Hydraulically Driven Demand Fan - High (Tier 1 equivalent) 55 °C

Ambient Capability Hydraulically Driven Demand Fan - High (Tier 4 Final) 53 °C

Sound Performance - Standard

Operator Sound Level
(ISO 6396:2008) - Tier
1/EU Stage I
Equivalent 74 dB(A)

Machine Sound Level
(ISO 6395:2008) 119 dB(A)

Note The declared sound levels listed above include the addition of both measurement uncertainty and uncertainty due to production variation. Typical measurement uncertainty for this type of machine is 2 dBA in accordance with "ISO 4871". The measurement was conducted at 70 percent of the maximum engine cooling fan speed. Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors or windows are open for extended periods or in a noisy environment.

Sound Performance - Suppression

Operator Sound Level
(ISO 6396:2008) - Tier
1/EU Stage I
Equivalent 73 dB(A)

Machine Sound Level
(ISO 6395:2008) 117 dB(A)

Note The declared sound levels listed above include the addition of both measurement uncertainty and uncertainty due to production variation. Typical measurement uncertainty for this type of machine is 2 dBA in accordance with "ISO 4871". The measurement was conducted at 70 percent of the maximum engine cooling fan speed. Hearing protection may be needed when the machine is operated with a cab that is not properly maintained or when the doors or windows are open for extended periods or in a noisy environment.

Hydraulic System - Steering

Steering System - Circuit

Pilot, Load Sensing

Steering System - Pump	Piston, Variable Displacement
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Total Steering Angle	80 degrees
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Steering Cycle Times - Low Idle	7.6 s
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Steering Cycle Times - High Idle	4.3 s
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Dimensions - Standard Lift - Approximate

B-Pin Height - Maximum Lift	8800 mm
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Clearance at Maximum Lift	6039 mm
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Dump Angle at Maximum Lift	-50 degrees
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Front Axle Centerline to Bucket Tip	6688 mm
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Ground to Bumper Clearance	1355 mm
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Ground to Center of Axles	1830 mm
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Ground to Lower Hitch Clearance	898 mm
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Ground to Top of Exhaust Stacks	7067 mm
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Ground to Top of Hood	5682 mm
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Ground to Top of ROPS	7119 mm
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Maximum Overall Height - Bucket Raised	11966 mm
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Maximum Overall Length	19693 mm
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Note

Assumes loaded 58/85-57 tires, tires at a static loaded radius of 1830 mm (6 ft), 596-5330 26 m³ (34 yd³) bucket, 431-0064 HD tips.

Rack Angle at Maximum Lift 59.5 degrees

Rack Back Angle - Carry 47.7 degrees

Rack Back Angle - Ground Level 39.7 degrees

Reach - Maximum Lift 2946 mm

Rear Axle - Centerline to Bumper 6205 mm

Tread Width 4300 mm

Wheel Base 6800 mm

Width - Over Tires - With Bulge 5758 mm

Dimensions - High Lift - Approximate

B-Pin Height - Maximum Lift 9657 mm

Clearance at Maximum Lift 6896 mm

Dump Angle at Maximum Lift -50 degrees

Front Axle Centerline to Bucket Tip 7383 mm

Ground to Bumper Clearance 1355 mm

Ground to Center of Axles 1830 mm

Ground to Lower Hitch Clearance 898 mm

Ground to Top of Exhaust Stacks 7067 mm

Ground to Top of Hood 5682 mm

Ground to Top of ROPS 7119 mm

Maximum Overall Height - Bucket Raised 12823 mm

Maximum Overall Length 20388 mm

Note Assumes loaded 58/85-57 tires, tires at a static loaded radius of 1830 mm (6 ft), 596-5330 26 m³ (34 yd³) bucket, 431-0064 HD tips.

Rack Angle at Maximum Lift 59.4 degrees

Rack Back Angle - Carry 53.5 degrees

Rack Back Angle - Ground Level 45 degrees

Reach - Maximum Lift 2884 mm

Rear Axle - Centerline to Bumper 6205 mm

Tread Width 4300 mm

Wheel Base 6800 mm

Width - Over Tires - With Bulge 5760 mm

Brakes

Brakes

ISO 3450:2011

995 Standard Equipment

POWER TRAIN

Engine, 3516E High Displacement (HD) Mechanical Electronic Unit Injector (MEUI™-A), Air-to-Air Aftercooling (ATAAC) diesel, turbocharged/aftercooled

Engine prelube

Fuel priming pump (electric)

Ground-level engine shutoff

Engine air intake (above hood) precleaner

Aluminum Modular Radiator (AMR)

Automatic, ether starting aid

Electronic throttle lock

Impeller Clutch Torque Converter (ICTC) with Lock-Up Clutch and rimpull control system

Rimpull control system

Planetary powershift, 3F/3R electronic control transmission

Delayed engine shutdown

Oil-cooled, multi-disc, service brakes

Electro-hydraulic parking brake

LINKAGE

Standard lift

ELECTRICAL

Alternator

Batteries, low maintenance

10/15 amp, 24V to 12V converter

Disconnect switch to bumper

LED warning lights (pattern selectable)

LED lighting system (working lights, access and service platform lights, turn signals/hazard lights)

Emergency jump-start receptacle

Starter and transmission lockout in bumper

24V starting and charging system

Electric starters

OPERATOR ENVIRONMENT

Premium seat with heated and actively cooled leather, adjustable lumbar support, air adjustable bolsters on the seat and backrest, seat cushion tilt adjustment and two-way thigh support adjustment

Bonded glass, tinted

Trainer seat

Dual-lever lift and tilt function controls

Implement kickouts

Air conditioner

Cab pressure indicator

Graphical touchscreen information display conveys real-time operating information

Heater, defroster, auto temperature controls

Powered cab precleaner
Operator presence status
Starting/charging system malfunction
Electronic OMM
Operator controls help
Two USB charging ports
CB mounting, 12V/24V power and antenna
14-pin service port
12V power
Selectable application profiles
Entertainment radio mute
Push-To-Start (PTS)
Warning/indicator instrumentation
Keypad control with indicator lights
Dome light in cab
Lunchbox and beverage holders
Electro-hydraulic force feedback steering
Vital Information Management System (VIMS™) with information display: external data port, cycle timer
Coat hook
Gauge instrumentation with configurable widgets:

- Status indicators
- Wheel rev counter
- Simplified payload
- Tire pressure monitoring system (optional)
- Bucket angle
- Coolant temperature
- Hydraulic oil temperature
- Fuel level
- Power train oil temperature
- Engine speed (tachometer)
- Transmission gear
- Ground speed
- Engine hour meter

SAFETY

Ground-access ladders
Rear-vision camera
Front frame access with steps
Front walkway around cab
Pump bay access ladders with T-handle and platform
Tie-offs on ROPS and radiator guards
Steering frame lock
Stairways on both sides of the machine
LED stairway and access lights
Toe kicks
Electric (field and shop) horns
Retractable seatbelt, 76 mm (3 in) wide
Trainer seat with lap belt, 76 mm (3 in) wide

Back-up alarm
Secondary steering

MACHINE CONTROL AND GUIDANCE

MineStar™ Health ready
MineStar GUIDE ready
MineStar Edge ready

FUEL TANK

12 hour (3240 L/856 gal)

COOLING

Standard ambient package (recommended for site conditions that do not exceed 43° C [110° F])

GROUND-LEVEL SERVICE CENTER

Service center light
Implement and cooling fan oil level indicator
Steering and brake oil level indicator
Window washer solvent level indicator
Transmission oil level indicator
DEF level indicator (if equipped)
Fuel level indicator
Engine oil level indicator
Engine coolant level indicator
Automatic lubrication system grease tank level indicator
DEF purge indicator lamp
Transmission lockout and LED
Starter lockout and LED
Heavy-duty battery disconnect switch
Stairway light switch
Service lighting switch (if equipped)
Fuel shutoff engine shutdown switch
Engine oil fast-fill port
Transmission oil fast-fill port
Steering and brake hydraulic oil fast-fill port
Steering and brake hydraulic oil drain port
Oil renewal system fast-fill port (if equipped)
Engine coolant fast-fill port
DEF fill port (HRC only)
Implement and cooling fan hydraulic oil fast-fill port
Implement and cooling hydraulic oil drain port
Automatic lubrication system grease tank fill port
24V jump-start receptacle
240V jacket water and engine oil heater plug (if equipped)
12V power port
VIMS key switch

14-pin machine data port

SERVICE

EH steering eliminates need for neutralizer adjustment

In-tank mounted cartridge-type case drain filters with in-line magnetic plugs on implement, cooling fan, brake and steering pumps

High-pressure screens on the output side of implement, cooling fan, brake and steering pumps

Pump efficiency monitoring

Automatic lubrication system greases the linkage, hitch, steering and axle trunnion bearings

Electronic pressure control of the automatic lubrication system eliminates pressure adjustment and monitors grease thickness for temperature compatibility

Rock guards on linkage grease lines

Cat O-ring face seal couplings

Lockable service access doors

Ecology drains for engine, radiator, hydraulic tank, steering and brake tank, brake cooling tank and axles

High-speed engine oil change system

Ground-level fast-fill fuel system

Transmission guard

Drawbar hitch with pin

Cat XT™ hoses

Left-side service center

Oil sampling valves

Automatic Autolube filling shutoff valve

Telematics and Cat Electronic Technician service port in bumper

Air filter remaining useful life sensor

Premixed 50% concentration of extended-life coolant with freeze protection to -34° C (-29° F)

Rear access to cab and service platform

Load-sensing steering

Supplemental steering system

Vandalism protection caplocks

Cooling cleanout service package

VIMS download and Cat Electronic Technician service port in bumper

Service lights (engine bay, service center)

EH steering eliminates need for neutralizer adjustment

EFFICIENCY

On demand throttle, HP Plus, and Enhanced ECO Modes

Variable displacement implement pumps

Variable displacement load sensing steering

Variable displacement cooling fan pump

Torque converter lock-up clutch

995 Optional Equipment

POWER TRAIN

Oil Renewal System (ORS)* (for increased time between oil changes)

LINKAGE

High lift

OPERATOR ENVIRONMENT

Rubber-mounted, high-impact resistant solar control glass

Trainer seat with suspension

Joystick lift and tilt function controls

Bluetooth®-enabled machine security

Sun screen, pull down (front and rear)

AM/FM/AUX radio

AM/FM/AUX/USB/BT/CD/SAT radio

SAFETY

Powered ground-access stairs

Cat Detect (Rear Object Detection)

Wheel chocks

COLD WEATHER

Cold-weather cooling fan bypass (recommended for temperatures below -29° C [-20° F])

Heavy-duty starter (provides an additional electric starter motor and two additional batteries for a total of three starter motors and six batteries) (recommended for temperatures below 0° C [32° F])

240V engine oil and coolant heating elements (recommended in conditions from -18° C to -30° C [0° F to 22° F])

Fuel heater (heated by recirculation using engine heat and a heat exchanger) (recommended in conditions from -18° C to -30° C [0° F to -22° F])

Heated mirrors (recommended for below-freezing temperatures)

MACHINE CONTROL AND GUIDANCE

Cat Payload with Overload Prevention

New Autodig Components:

- Tire slip prevention

- Lift stall prevention

- Tire set

Operator coaching

FUEL TANK

24 hour (5350 L/1414 gal)

COOLING

High ambient package (recommended for site conditions that do not exceed 53° C [127° F])

RIMS AND TIRES

Rims - 1194 mm (47") (47 × 57); 152 mm (6") flange; For use with 58/85-57; 84PR L4 tires

Rims – 1194 mm (47") (47 × 57);127 mm (5") flange; For use with 60/80 R57; L5R XMine D2 SR tires
Tires – 58/85-57 84PR L4 (require 47" rims)

SPARE RIMS

1194 mm (47") 152 mm (44 × 57) (6") flange

1194 mm (47") 127 mm (47 × 57) (5") flange

SERVICE

Product Link™ satellite

Product Link cellular

Product Link (dual mode – satellite/cellular)

Additional service lights (pump bay, front frame and bumper)

SOUND

Sound-suppression package