

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: 2002 | 1847 hp |
| Gross Power - SAE J1995:2014 | 1870 hp |
| Net Power - SAE J1349 - Standard Ambient | 1739 hp |
| Net Power - SAE J1349 - High Ambient | 1696 hp |
| Bore | 6.7 in |
| Stroke | 8.5 in |
| Displacement | 4766 in ³ |
| Peak Torque - 1,200 rpm - SAE J1995 | 8549 lb/ft |
| 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

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|------------------------------------|-----------|
| Operating Weight - Standard | 543772 lb |
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|------------------------------|----------------------------|
| Bucket Capacity Range | 17.2-43.6 m3 (22.3-57 yd3) |
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| Operating Weight - High Lift | 547675 lb |
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|---|-------------|
| Rated Payload - Standard Lift (Low to Moderate Digging Resistance) | 60 ton (US) |
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|--|-------------|
| Rated Payload - Standard Lift (Moderate to High Digging Resistance) | 50 ton (US) |
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| Rated Payload - High Lift (Low to Moderate Digging Resistance) | 55 ton (US) |
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|--|-------------|
| Rated Payload - High Lift (Moderate to High Digging Resistance) | 50 ton (US) |
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| Note | *Please contact your local dealer to determine if your application is suitable for this increased rated payload. |
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|-----------------------------------|---------|
| Cat Truck Match - Standard | 785/789 |
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|------------------------------------|-------------|
| Cat Truck Match - High Lift | 789/793/794 |
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Transmission

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|--------------------------|---------------------------|
| Transmission Type | Cat Planetary Power Shift |
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|--------------------|------------|
| Forward - 1 | 4.6 mile/h |
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| Forward - 2 | 8 mile/h |
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| Forward - 3 | 13.6 mile/h |
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| Reverse - 1 | 5 mile/h |
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| Reverse - 2 | 8.8 mile/h |
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| Reverse - 3 | 14.9 mile/h |
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| Direct Drive - Forward 1 | Lock-up disables |
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|---------------------------------|------------|
| Direct Drive - Forward 2 | 8.7 mile/h |
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|---------------------------------|-------------|
| Direct Drive - Forward 3 | 15.2 mile/h |
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|---------------------------------|------------------|
| Direct Drive - Reverse 1 | Lock-up disables |
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| Direct Drive - Reverse 2 | 9.6 mile/h |
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|---------------------------------|-------------|
| Direct Drive - Reverse 3 | 16.8 mile/h |
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| Note | Travel speeds based on 58/85-57 tires. |
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Hydraulic System - Lift/Tilt

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|-----------------------------------|-----------------------|
| Lift/Tilt System - Circuit | Positive Flow Control |
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| Lift/Tilt System - Pump | Variable Displacement Piston |
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| Maximum Flow at 1,700 rpm Engine Speed | 541 gal/min |
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| Relief Valve Setting - Lift/Tilt | 5004 psi |
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|---|--------------------------------|
| Cylinders, Double Acting - Lift, Bore and Stroke | 370 × 1713 mm (14.6 × 67.4 in) |
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|---|--------------------------------|
| Cylinders, Double Acting - Tilt, Bore and Stroke | 310 × 1086 mm (12.2 × 42.8 in) |
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|---------------------|---------------------------------|
| Pilot System | Open Loop and Pressure Reducing |
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Hydraulic Cycle Times

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|------------------|-------|
| Rack Back | 4.9 s |
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|--------------|--------|
| Raise | 12.6 s |
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| Dump | 3.1 s |
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Lower Float Down

4.2 s

Complete System Fill

Fuel Tank - Standard

856 gal (US)

Fuel Tank - With 24 hr Attachment

1414 gal (US)

Cooling System

138 gal (US)

Engine Crankcase

76 gal (US)

Transmission

110 gal (US)

Differential - Final Drives - Front

220 gal (US)

Differential - Final Drives - Rear

200 gal (US)

Hydraulic Tank - Implement and Hydraulic Fan

270 gal (US)

Hydraulic Tank - Steering and Braking

100 gal (US)

Oil Renewal System (ORS)*

20 gal (US)

Note

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

Axles

Front

Fixed

Rear

Trunion

Oscillation Angle

9°

Brakes

Brakes

ISO 3450:2011

Cooling System

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| Ambient Capability Hydraulically Driven Demand Fan - Standard | 109.4 °F |
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| Ambient Capability Hydraulically Driven Demand Fan - High (Tier 1 equivalent) | 131 °F |
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| Ambient Capability Hydraulically Driven Demand Fan - High (Tier 4 Final) | 127.4 °F |
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Sound Performance - Standard

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| Operator Sound Level (ISO 6396:2008) - Tier 1/EU Stage I Equivalent | 74 dB(A) |
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| Machine Sound Level (ISO 6395:2008) | 119 dB(A) |
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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

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| Operator Sound Level (ISO 6396:2008) - Tier 1/EU Stage I Equivalent | 73 dB(A) |
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|--|-----------|
| Machine Sound Level (ISO 6395:2008) | 117 dB(A) |
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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

Total Steering Angle

80 degrees

Steering Cycle Times - Low Idle

7.6 s

Steering Cycle Times - High Idle

4.3 s

Dimensions - Standard Lift - Approximate

B-Pin Height - Maximum Lift 28.8 ft

Clearance at Maximum Lift 19.8 ft

Dump Angle at Maximum Lift -50 degrees

Front Axle Centerline to Bucket Tip 21.9 ft

Ground to Bumper Clearance 4.4 ft

Ground to Center of Axles 6 ft

Ground to Lower Hitch Clearance 2.9 ft

Ground to Top of Exhaust Stacks 23.2 ft

Ground to Top of Hood 18.6 ft

Ground to Top of ROPS 23.4 ft

Maximum Overall Height - Bucket Raised 39.3 ft

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|---|--|
| Maximum Overall Length | 64.6 ft |
| Note | Assumes loaded 58/85-57 tires, tires at a static loaded radius of 1830 mm (6 ft), 596-5330 26 m ³ (34 yd ³) 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 | 9.6 ft |
| Rear Axle - Centerline to Bumper | 20.4 ft |
| Tread Width | 14.1 ft |
| Wheel Base | 22.3 ft |
| Width - Over Tires - With Bulge | 18.8 ft |

Dimensions - High Lift - Approximate

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|--|-------------|
| B-Pin Height - Maximum Lift | 31.6 ft |
| Clearance at Maximum Lift | 22.6 ft |
| Dump Angle at Maximum Lift | -50 degrees |
| Front Axle Centerline to Bucket Tip | 24.2 ft |
| Ground to Bumper Clearance | 4.4 ft |
| Ground to Center of Axles | 6 ft |

Ground to Lower Hitch Clearance 2.9 ft

Ground to Top of Exhaust Stacks 23.2 ft

Ground to Top of Hood 18.6 ft

Ground to Top of ROPS 23.4 ft

Maximum Overall Height - Bucket Raised 42.1 ft

Maximum Overall Length 66.9 ft

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 9.4 ft

Rear Axle - Centerline to Bumper 20.4 ft

Tread Width 14.1 ft

Wheel Base 22.3 ft

Width - Over Tires - With Bulge 18.8 ft

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