

# Product Specifications For 995



## Engine

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

## Operating Specifications

<b>Operating Weight - Standard</b>	246651 kg
<b>Bucket Capacity Range</b>	17.2-43.6 m <sup>3</sup> (22.3-57 yd <sup>3</sup> )
<b>Operating Weight - High Lift</b>	248421 kg
<b>Rated Payload - Standard Lift (Low to Moderate Digging Resistance)</b>	54.4 t
<b>Rated Payload - Standard Lift (Moderate to High Digging Resistance)</b>	45.3 t
<b>Rated Payload - High Lift (Low to Moderate Digging Resistance)</b>	49.9 t
<b>Rated Payload - High Lift (Moderate to High Digging Resistance)</b>	45.3 t
<b>Note</b>	*Please contact your local dealer to determine if your application is suitable for this increased rated payload.
<b>Cat Truck Match - Standard</b>	785/789
<b>Cat Truck Match - High Lift</b>	789/793/794

## Transmission

<b>Transmission Type</b>	Cat Planetary Power Shift
<b>Forward - 1</b>	7.4 km/h
<b>Forward - 2</b>	12.9 km/h
<b>Forward - 3</b>	21.9 km/h
<b>Reverse - 1</b>	8.1 km/h
<b>Reverse - 2</b>	14.1 km/h

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

## Hydraulic System - Lift/Tilt

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

## Hydraulic Cycle Times

<b>Rack Back</b>	4.9 s
<b>Raise</b>	12.6 s
<b>Dump</b>	3.1 s

<b>Lower Float Down</b>	4.2 s
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## Complete System Fill

<b>Fuel Tank - Standard</b>	3240 l
<b>Fuel Tank - With 24 hr Attachment</b>	5350 l
<b>Cooling System</b>	520 l
<b>Engine Crankcase</b>	288 l
<b>Transmission</b>	416 l
<b>Differential - Final Drives - Front</b>	833 l
<b>Differential - Final Drives - Rear</b>	757 l
<b>Hydraulic Tank - Implement and Hydraulic Fan</b>	1022 l
<b>Hydraulic Tank - Steering and Braking</b>	379 l
<b>Oil Renewal System (ORS)*</b>	75.7 l
<b>Note</b>	*Not available on Tier 4 Final/Stage V machines. Not available in all regions.

## Axles

<b>Front</b>	Fixed
<b>Rear</b>	Trunnion
<b>Oscillation Angle</b>	9°

## Brakes

<b>Brakes</b>	ISO 3450:2011
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## 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** 74 dB(A)  
**(ISO 6396:2008) - Tier**  
**1/EU Stage I**  
**Equivalent**

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

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

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

**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

<b>Steering System - Circuit</b>	Pilot, Load Sensing
<b>Steering System - Pump</b>	Piston, Variable Displacement
<b>Total Steering Angle</b>	80 degrees
<b>Steering Cycle Times - Low Idle</b>	7.6 s
<b>Steering Cycle Times - High Idle</b>	4.3 s

## Dimensions - Standard Lift - Approximate

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

<b>Maximum Overall Length</b>	19693 mm
<b>Note</b>	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.
<b>Rack Angle at Maximum Lift</b>	59.5 degrees
<b>Rack Back Angle - Carry</b>	47.7 degrees
<b>Rack Back Angle - Ground Level</b>	39.7 degrees
<b>Reach - Maximum Lift</b>	2946 mm
<b>Rear Axle - Centerline to Bumper</b>	6205 mm
<b>Tread Width</b>	4300 mm
<b>Wheel Base</b>	6800 mm
<b>Width - Over Tires - With Bulge</b>	5758 mm

## Dimensions - High Lift - Approximate

<b>B-Pin Height - Maximum Lift</b>	9657 mm
<b>Clearance at Maximum Lift</b>	6896 mm
<b>Dump Angle at Maximum Lift</b>	-50 degrees
<b>Front Axle Centerline to Bucket Tip</b>	7383 mm
<b>Ground to Bumper Clearance</b>	1355 mm
<b>Ground to Center of Axles</b>	1830 mm

<b>Ground to Lower Hitch Clearance</b>	898 mm
<b>Ground to Top of Exhaust Stacks</b>	7067 mm
<b>Ground to Top of Hood</b>	5682 mm
<b>Ground to Top of ROPS</b>	7119 mm
<b>Maximum Overall Height - Bucket Raised</b>	12823 mm
<b>Maximum Overall Length</b>	20388 mm
<b>Note</b>	Assumes loaded 58/85-57 tires, tires at a static loaded radius of 1830 mm (6 ft), 596-5330 26 m <sup>3</sup> (34 yd <sup>3</sup> ) bucket, 431-0064 HD tips.
<b>Rack Angle at Maximum Lift</b>	59.4 degrees
<b>Rack Back Angle - Carry</b>	53.5 degrees
<b>Rack Back Angle - Ground Level</b>	45 degrees
<b>Reach - Maximum Lift</b>	2884 mm
<b>Rear Axle - Centerline to Bumper</b>	6205 mm
<b>Tread Width</b>	4300 mm
<b>Wheel Base</b>	6800 mm
<b>Width - Over Tires - With Bulge</b>	5760 mm

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