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
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	8800 mm
Clearance at Maximum Lift	6039 mm
Dump Angle at Maximum Lift	–50 degrees
Front Axle Centerline to Bucket Tip	6688 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	11966 mm
Maximum Overall Length	19693 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	59.5 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 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 × 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