

Product Specifications For 930K



Engine

Maximum Gross Power	119 kW
Engine Model	Cat® C7.1
Maximum Gross Power - 1,600 rpm - ISO 14396 (Standard Power Mode: Range 1-3*)	113 kW
Maximum Net Torque - ISO 9249 (1977)/EEC 80/1269 (Performance Power Mode: Range 1-4)	761 N·m
Displacement (Performance Power Mode: Speed Range 1-4)	7.01 l
Maximum Gross Power - 1,800 rpm - ISO 14396 (Performance Power Mode: Range 1-4)	119 kW
Maximum Gross Torque - ISO 14396 (Performance Power Mode: Range 1-4)	787 N·m
Emissions	Engine meets U.S. EPA Tier 3/EU Stage IIIA/Brazil MAR-1 equivalent emission standards.
Maximum Net Torque - SAE J1349 (Performance Power Mode: Range 1-4)	753 N·m
Note (2)	*Range 4 power is boosted to be the same as Performance Mode.
Displacement (Standard Power Mode: Speed Range 1-3*)	7.01 l
Maximum Gross Torque - ISO 14396 (Standard Power Mode: Range 1-3*)	787 N·m
Maximum Net Torque - SAE J1349 (Standard Power Mode: Range 1-3*)	753 N·m

Maximum Net Torque - ISO 9249 (1977)/EEC 80/1269 (Standard Power Mode: Range 1-3*)	761 N·m
Note (1)	Net power shown is the power available at the flywheel when the engine is equipped with alternator and air cleaner.
Net Power - 1,600 rpm - ISO 9249 (metric) (Standard Power Mode: Range 1-3*)	151 hp
Maximum Gross Power - 1,600 rpm - ISO 14396 (metric) (Standard Power Mode: Range 1-3*)	154 hp
Net Power - 1,800 rpm - SAE J1349 (Performance Power Mode: Range 1-4)	116 kW
Maximum Gross Power - 1,800 rpm - ISO 14396 (metric) (Performance Power Mode: Range 1-4)	162 hp
Net Power - 1,600 rpm - SAE J1349 (Standard Power Mode: Range 1-3*)	110 kW
Net Power - 1,800 rpm - ISO 9249 (metric) (Performance Power Mode: Range 1-4)	159 hp

Buckets

Bucket Capacities	2.1-5 m3 (2.7-6.5 yd3)
Bucket Capacities - General Purpose	2.1-2.7 m3 (2.7-3.5 yd3)
Bucket Capacities - Light Material	3.1-5 m3 (4.0-6.5 yd3)

Weights

Operating Weight	13130 kg
Operating Weight (1)	Standard Lift - 13 130 kg (28,945 lb)

Operating Weight (2)

High Lift - 13 622 kg (30,029 lb)

Cab

ROPS

SAE J1040 MAY94, ISO 3471-1994

FOPS

SAE J/ISO 3449 APR98, Level II, ISO 3449 1992 Level II

Note (2)

A semi-cab option is available.

Note (1)

Cab and Rollover Protective Structures (ROPS) are standard.

Service Refill Capacities

Cooling System

32 l

Hydraulic System - Including Tank

165 l

Fuel Tank

195 l

Transmission - Gear Box

8.5 l

Engine Crankcase

19.5 l

Axles - Rear

25 l

Axles - Front

26 l

Hydraulic Tank

90 l

Tires

**Other Choices Vary by
Region**

20.5-25 16 PR (L-3)

Note (2)

In certain applications, the loader's productive capabilities may exceed the tire's tonnes-km/h (ton-mph) capabilities.

Note (3)

Caterpillar recommends that you consult a tire supplier to evaluate all conditions before selecting a tire model.

Standard Size	20.5 R25, radial (L-3)
----------------------	------------------------

Note (1)	Other tire choices are available. Contact your Cat dealer for details.
-----------------	--

Steering

Maximum Flow - Steering Pump	130 l/min
Maximum Steering Torque - 0° (Straight Machine)	50375 N·m
Maximum Working Pressure - Steering Pump	24130 kPa
Number of Steering Wheel Turns - Full Left to Full Right or Full Right to Full Left	3.5 turns
Maximum Steering Torque - 40° (Full Turn)	37620 N·m
Steering Cycle Times - Full Left to Full Right - At 1,800 rpm: 90 rpm Steering Wheel Speed	2.4 s
Steering Articulation Angle - Each Direction	40°

Loader Hydraulic System

Hydraulic Cycle Time - Performance Mode at 1,800 rpm - Float Down, Maximum Lift to Ground Level	2.7 s
Hydraulic Cycle Time - Standard Mode at 1,600 rpm - Total Cycle Time	10.1 s
Maximum Working Pressure - Implement Pump	25000 kPa
Hydraulic Cycle Time - Performance Mode at 1,800 rpm - Dump, at Maximum Lift Height	1.5 s
Hydraulic Cycle Time - Standard Mode at 1,600 rpm - Raise, Ground Level to Maximum Lift	5.7 s
Hydraulic Cycle Time - Performance Mode at 1,800 rpm - Raise, Ground Level to Maximum Lift	5.1 s

Maximum Flow - Implement Pump - 4th Function Maximum Flow*	150 l/min
Hydraulic Cycle Time - Standard Mode at 1,600 rpm - Dump, at Maximum Lift Height	1.7 s
Hydraulic Cycle Time - Performance Mode at 1,800 rpm - Total Cycle Time	9.3 s
Relief Pressure - Tilt Cylinder - 3rd Function Maximum Working Pressure	25000 kPa
Maximum Flow - Implement Pump	190 l/min
Relief Pressure - Tilt Cylinder	28000 kPa
Maximum Flow - Implement Pump - 3rd Function*	190 l/min
Hydraulic Cycle Time - Standard Mode at 1,600 rpm - Float Down, Maximum Lift to Ground Level	2.7 s
Relief Pressure - Tilt Cylinder - 4th Function Maximum Working Pressure	25000 kPa
Note	*Adjustable from 20% to 100% of maximum flow through the secondary display, when equipped.

Axles

Rear	Oscillating ± 11 degrees; Open differential (standard); Limited slip differential (optional in some regions)
-------------	--

Front	Fixed; Open differential (standard); Locking differential (optional)
--------------	--

Transmission

Forward and Reverse - Range 4	40 km/h
--	---------

Note	*Creeper control allows max. speed range adjustability from 1 km/h (0.6 mph) to 13 km/h (8 mph) in Range 1 through sec. display.
-------------	--

**Forward and Reverse -
Range 2** 13 km/h

**Forward and Reverse -
Range 3** 27 km/h

**Forward and Reverse -
Range 1*** 1-13 km/h (0.6-8 mph)

Notes Factory default is 7 km/h (4.4 mph).

Sound

Note (3) The declared exterior sound power level is 104 dB(A) when the value is measured according to “ISO 6395:2008.”

Note (2) The measurement was conducted at 70% of the maximum engine cooling fan speed, with the cab doors and cab windows closed.

Note (1) Declared dynamic operator sound pressure level is 72 dB(A) when “ISO 6396:2008” is used to measure value for an enclosed cab.

930K Standard Equipment

POWER TRAIN

Auto idle shut down feature
Cat C7.1 engine
Power modes (Standard and Performance)
Power by range (High Power in Range 4)
Turbocharged and aftercooled
Filtered crankcase breather
Coded start (requires secondary display)
Coolant protection to -34° C (-29° F)
Enclosed wet disc full hydraulic brakes
Fuel priming pump, automatic
Hydraulically driven demand cooling fan
Hydrostatic transmission with electronic control
Operator modes (Default, TC, Hystat, and Ice)
Directional Shift Aggressiveness (fast, medium, slow)
Rimpull control, adjust wheel torque
Creeper control, adjust ground speed
Parking brake, electric
Single plane cooling package wide six fins per inch density
Throttle lock and max speed limiter

HYDRAULICS

Automatic lift and bucket kickouts, adjustable in-cab
Bucket and fork modes, adjustable in-cab
Cylinder damping at kickout and mechanical end stops
Fine mode control (fast, medium, slow) in fork mode
Hydraulic response setting (fast, medium, slow)
Hydraulic diagnostic connectors and S·O·SSM ports
Load sensing hydraulics and steering

ELECTRICAL

Alternator, 115 amp, heavy duty
12V power supply in cab (2)
Batteries, 1,000 CCA (2) 24V system, disconnect switch
Back-up alarm
Emergency shutdown switch
Halogen work and roading lights, LED rear tail lights
Remote jump start post
Resettable main and critical function breakers

OPERATOR ENVIRONMENT

75 mm (3 in) retractable seat belt, with audible alarm and indicator
Automatic temperature control
External mirrors with lower parabolic
Hydraulic control lockout
Interior cab lighting, door and dome
Interior rear view mirrors (2)
Lunch box storage
Radio ready speakers
Seat-mounted electronic implement controls, adjustable
Column mounted multi function control – lights, wipers, turn signal
Tilt and telescopic steering wheel
Tinted front glass

OTHER STANDARD EQUIPMENT

Large-access enclosure doors with adjustable close/open force
Parallel lift loader linkage

930K Optional Equipment

OPTIONAL EQUIPMENT

Auto lube, integrated in secondary display
Auxiliary flow, third and fourth function, adjustable through secondary display
Beacon light, strobe

Cab, deluxe

Camera, roof mounted, front view with separate display*

Rear window defroster (standard in Europe)

Secondary display to adjust settings (standard in Europe)

Sunscreen, front and rear

Wet arm wiper/washer, front and rear

Camera, rear view (standard in Europe)

Cold start package

Corrosion protection package

Counterweight, (heavy and logger)

Coupler, (Fusion™ and ISO 23727)

Debris packages (low, medium, high)

Differential lock, front axle

Fenders (extended cover and full coverage)

Guarding (machine and operator)

Linkage, high lift

Lights, auxiliary, halogen or LED with engine compartment lights

Lights, LED front roading

Load check valves

Object Detection

Product Link™ PRO and ELITE with capabilities for software push, data logging, histogram and trend mapping

Radio packages

Rear wiper

Ride Control System, adjustable through secondary display

Seats

Deluxe seat – fully adjustable fabric air suspension seat with mid backrest and mechanical lumbar support

Seats

Premium seat – fully adjustable leather and fabric air suspension with high backrest and air lumbar support. Seat is heated and ventilated on bottom cushion and backrest.

Steering

Dual mode and secondary

CE Certification (standard in Europe)

NOTE: Not all features are available in all regions.

*Forward facing camera system may be required for local EU requirements.

Consult your local Cat dealer for additional information.