

PRODUCT SPECIFICATIONS FOR 924K

Maximum Gross Power	105 kW
Engine Model	Cat® C7.1
Displacement (Performance Power Mode: Speed Range 1-4)	7.01 l
Maximum Gross Torque - ISO 14396 (Standard Power Mode: Range 1-3*)	725 N·m
Maximum Net Torque - SAE J1349 (Performance Power Mode: Range 1-4)	704 N·m
Emissions	Engine meets U.S. EPA Tier 3/EU Stage IIIA/Brazil MAR-1 equivalent emission standards.
Maximum Gross Power - 1,800 rpm - ISO 14396 (Performance Power Mode: Range 1-4)	105 kW
Note	*Range 4 power is boosted to be the same as Performance Mode.
Maximum Net Torque - SAE J1349 (Standard Power Mode: Range 1-3*)	704 N·m
Maximum Gross Power - 1,600 rpm - ISO 14396 (Standard Power Mode: Range 1-3*)	101 kW
Displacement (Standard Power Mode: Speed Range 1-3*)	7.01 l
Maximum Net Torque - ISO 9249 (1977)/EEC 80/1269 (Performance Power Mode: Range 1-4)	711 N·m

**Maximum Gross Torque - ISO 14396
(Performance Power Mode: Range 1-4)** 725 N·m

Note (1) Net power shown is the power available at the flywheel when the engine is equipped with alternator and air cleaner.

**Maximum Net Torque - ISO 9249 (1977)/EEC
80/1269 (Standard Power Mode: Range
1-3*)** 711 N·m

**Maximum Gross Power - 1,600 rpm - ISO
14396 (metric) (Standard Power Mode:
Range 1-3*)** 137 hp

**Maximum Gross Power - 1,800 rpm - ISO
14396 (metric) (Performance Power Mode:
Range 1-4)** 143 hp

**Net Power - 1,600 rpm - SAE J1349
(Standard Power Mode: Range 1-3*)** 98 kW

**Net Power - 1,800 rpm - ISO 9249 (metric)
(Performance Power Mode: Range 1-4)** 140 hp

**Net Power - 1,800 rpm - SAE J1349
(Performance Power Mode: Range 1-4)** 102 kW

**Net Power - 1,600 rpm - ISO 9249 (metric)
(Standard Power Mode: Range 1-3*)** 135 hp

Bucket Capacities 1.7-5 m³ (2.2-6.5 yd³)

Bucket Capacities - Light Material 3.1-5 m³ (4.0-6.5 yd³)

Bucket Capacities - General Purpose 1.7-2.5 m³ (2.2-3.2 yd³)

Operating Weight 11795 kg

Operating Weight - 20.5 Tires 11795 kg

Operating Weight - 17.5 Tires 11429 kg

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.

Hydraulic Tank 90 l

Cooling System 32 l

Transmission - Gear Box 8.5 l

Hydraulic System - Including Tank 160 l

Fuel Tank 195 l

Front Axles 21 l

Engine Crankcase 19.5 l

Rear Axles 21 l

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

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 1* 1-13 km/h (0.6-8 mph)

Forward and Reverse - Range 4 40 km/h

Forward and Reverse - Range 3 27 km/h

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.

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

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

Maximum Steering Torque - 40° (Full Turn) 37620 N·m

Steering Articulation Angle - Each Direction 40°

Maximum Flow - Steering Pump 125 l/min

Number of Steering Wheel Turns - Full Left to Full Right or Full Right to Full Left 3.5 turns

Maximum Steering Torque - 0° (Straight Machine) 50375 N·m

Steering Cycle Times - Full Left to Full Right - At 1,800 rpm: 90 rpm Steering Wheel Speed 2.4 s

Maximum Working Pressure - Steering Pump 24130 kPa

Hydraulic Cycle Time - Standard Mode at 1,600 rpm - Total Cycle Time 10.6 s

Hydraulic Cycle Time - Standard Mode at 1,600 rpm - Float Down, Maximum Lift to Ground Level 2.6 s

Maximum Flow - Implement Pump - 4th Function Maximum Flow* 150 l/min

Hydraulic Cycle Time - Standard Mode at 1,600 rpm - Raise, Ground Level to Maximum Lift 6.3 s

Hydraulic Cycle Time - Performance Mode at 1,800 rpm - Float Down, Maximum Lift to Ground Level 2.6 s

Relief Pressure - Tilt Cylinder - 3rd Function Maximum Working Pressure 26000 kPa

Maximum Flow - Implement Pump - 3rd Function* 150 l/min

Maximum Working Pressure - Implement Pump 26000 kPa

Maximum Flow - Implement Pump 150 l/min

Hydraulic Cycle Time - Performance Mode at 1,800 rpm - Total Cycle Time 9.5 s

Relief Pressure - Tilt Cylinder - 4th Function Maximum Working Pressure 26000 kPa

Hydraulic Cycle Time - Performance Mode at 1,800 rpm - Raise, Ground Level to Maximum 5.4 s

Lift

Relief Pressure - Tilt Cylinder 28000 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 - Dump, at Maximum Lift Height 1.7 s

Note *Adjustable from 20% to 100% of maximum flow through the secondary display, when equipped.

Other Choices Vary by Region 17.5 R25, radial (L-3); 17.5-25 16 PR (L-3); 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 (1) Other tire choices are available. Contact your Cat dealer for details.

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)

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

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

924K STANDARD EQUIPMENT

POWER TRAIN

Auto idle shut down feature
Axle seal guards
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 maximum speed limiter

HYDRAULICS

Automatic lift, lower and tilt 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

924K 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)
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

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.