

Product Specifications For 962



Engine

Engine Power - 2,100 rpm ISO 14396:2002	201 kW
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Engine Power - 2,100 rpm ISO 14396:2002	273 hp (metric)
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Engine Model	Cat® C7.1
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Gross Power - 2,100 rpm SAE J1995:2014	280 hp (metric)
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Net Power - 2,100 rpm ISO 9249:2007, SAE J1349:2011	255 hp (metric)
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Engine Torque - 1,400 rpm ISO 14396:2002	1245 N·m
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Gross Torque - 1,400 rpm SAE J1995:2014	1266 N·m
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Net Torque - 1,400 rpm ISO 9249:2007, SAE J1349:2011	1176 N·m
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Displacement	7.01 l
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Emissions	Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
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Biodiesel Capability	Up to B20 ¹
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Note (1)	The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and muffler.
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Note (2)

¹Cat engines are compatible with diesel fuel blended with following lower carbon intensity fuels up to: • 100% biodiesel FAME (fatty acid methyl ester)* • 100% renewable diesel, HVO (hydrogenated vegetable oil) and GTL (gas-to-liquid) fuels Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details. *For use of blends higher than 20% biodiesel, consult your Cat dealer. **Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Weights

Operating Weight

19043 kg

Note

Weight based on a machine configuration with Z-bar linkage, Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link™, front manual differential/open rear axles, powertrain guard, secondary steering, sound suppression, and a 3.3 m³ (4.3 yd³) general purpose bucket with BOCE.

Transmission

Forward - 1

6.9 km/h

Forward - 2

12 km/h

Forward - 3

19.3 km/h

Forward - 4

25.7 km/h

Forward - 5

39.5 km/h

Reverse - 1

6.9 km/h

Reverse - 2

12 km/h

Reverse - 3

25.7 km/h

Note

Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

Sound

Operator Sound Pressure Level - ISO 6396:2008	72 dB(A)
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Exterior Sound Power Level - ISO 6395:2008	107 dB(A)
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Operator Sound Pressure Level - ISO 6396:2008 ¹	69 dB(A)
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Exterior Sound Power Level - ISO 6395:2008²	104 dB(A)
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Note (1)	¹ Including countries that adopt the EU and UK Directives.
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Note (2)	² Exterior Sound Power Level - European Union Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701.
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Air Conditioning System

Air Conditioning	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a or R1234yf. See the label or instruction manual for identification of the gas. - If equipped with R134a (Global Warming Potential = 1430), the system contains 1.600 kg (3.5 lb) of refrigerant which has a CO2 equivalent of 2.288 metric tonnes (2.522 tons). - If equipped with R1234yf (Global Warming Potential = 0.501), the system contains 1.389 kg (3.1 lb) of refrigerant which has a CO2 equivalent of 0.691 metric tonnes (1.10 tons).
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Operating Specifications

Static Tipping Load - Full 40° Turn - With Tire Deflection	11808 kg
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Static Tipping Load - Full 40° Turn - No Tire Deflection	12565 kg
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Note (1)	For a machine configuration as defined under “Weight.”
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Breakout Force	169 kN
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Note (2)	Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.
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Service Refill Capacities

Fuel Tank	259.5 l
DEF Tank	15 l
Cooling System	54 l
Crankcase	21 l
Transmission	43 l
Differential - Final Drives - Front	43 l
Differential - Final Drives - Rear	43 l
Hydraulic Tank	97 l

Hydraulic System

Implement System - Maximum Pump Output at 2,340 rpm	322 L/min
Implement System - Maximum Operating Pressure	27900 kPa
Hydraulic Cycle Time - Total	9.8 s

Dimensions - Standard Lift

Height - Top of Hood	2692 mm
Height - Top of ROPS	3453 mm
Ground Clearance	351 mm
Wheel Base	3350 mm
Overall Length - Without Bucket	7052 mm
Hinge Pin Height at Carry Height	660 mm

Hinge Pin Height at Maximum Lift	4167 mm
Lift Arm Clearance at Maximum Lift	3604 mm
Rack Back - Maximum Lift	60 °
Rack Back - Carry Height	49 °
Width over Tires (Loaded)	2825 mm
Tread Width	2140 mm
Note	All dimensions are approximate and based on machine equipped with 3.3 m³ (4.3 yd³) general purpose bucket with BOCE and Bridgestone 23.5R25 VJT L3 radial tires.

Dimensions - High Lift

Height - Top of Hood	2692 mm
Height - Top of ROPS	3453 mm
Ground Clearance	351 mm
Wheel Base	3350 mm
Overall Length - Without Bucket	7542 mm
Hinge Pin Height at Carry Height	744 mm
Hinge Pin Height at Maximum Lift	4473 mm

Lift Arm Clearance at Maximum Lift	3773 mm
Rack Back - Maximum Lift	65 °
Rack Back - Carry Height	54 °
Width over Tires (Loaded)	2825 mm
Tread Width	2140 mm
Note	All dimensions are approximate and based on machine equipped with 3.3 m ³ (4.3 yd ³) general purpose bucket with BOCE and Bridgestone 23.5R25 VJT L3 radial tires.

962 Standard Equipment

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

OPERATOR ENVIRONMENT

Cab, pressurized, sound suppression
 EH implement controls, parking brake
 HMU steering wheel
 Seat, cloth, air suspension
 Touchscreen display
 Keypad, programmable buttons
 Air conditioner, heater, defroster (auto temp, fan)
 Sun visor, front retractable
 Windows, front, laminated

POWERTRAIN

Cat® C7.1 engine
 Electric fuel priming pump
 Fuel-water separator and secondary fuel filter
 Engine, air precleaner
 Axles, open/open differentials (Standard or optional depending on region. Consult your Cat dealer.)
 Axles, manual front locks (Standard or optional depending on region. Consult your Cat dealer.)
 Axles, auto differential locks front and rear (Standard or optional depending on region. Consult your Cat dealer.)

Transmission, countershaft, automatic powershift

Torque converter with lock-up

Service brakes, hydraulic, fully enclosed wet disc, wear indicators, integrated braking system (IBS)

Park brake, caliper on front axles, spring applied-pressure released

Brake pedal neutralizer with decel function

ELECTRICAL

Starting and charging system, 24V

Starter, electric, heavy duty

Lights: halogen, 4 work lights, 2 front tower lights, 2 rearview lights

HYDRAULICS

Implement system, load sensing with variable displacement piston pump

Steering system, load sensing with dedicated variable displacement piston pump

Oil sampling valves, Cat XT hoses

LINKAGE

Standard lift, Z-bar

Kickouts: lift and tilt

MONITORING SYSTEM

Front dash with analog gauges, LCD display, and warning lights

Primary touchscreen monitor (Cat Payload, quad screens, machine settings and messages)

Maintenance reminders

ONBOARD TECHNOLOGIES

Autodig with auto set tires

Operator ID and machine security

Application profiles

Job aids

Controls help and eOMM

Cat Payload

Key Features Inform

Bucket Carry Display Widget

Remote Flash

SAFETY

Seat belt reminder

2-point seat belt

Rear vision camera

962 Optional Equipment

NOTE

Standard and optional equipment may vary. Consult your Cat dealer for details.

OPERATOR ENVIRONMENT

Door, remote opening system (Standard or optional depending on region. Consult your Cat dealer.)

Footrest

Steering, joystick (LHD)

Implement joystick (2V, 3V only)

Entertainment radio

CB radio ready

Seat, suede/cloth, air suspension, heated

Seat, leather/cloth, air suspension, heated/cooled

Mirrors, heated

Sun visor, rear, retractable

Windows, front, heavy duty

Full cab window guard

POWERTRAIN

Turbine, air precleaner

Radiator, high debris

Cooling fan, reversible

Axles, ecology drains, AOC ready, extreme temperature seals

Axles, oil cooler

ELECTRICAL

Cold start, 120V or 240V

Lights: roading with turn signals

Lights: LED

HYDRAULICS

Ride control, dual accumulators (Standard or optional depending on region. Consult your Cat dealer.)

3rd and 4th auxiliary functions with ride control

Quick coupler control

LINKAGE

High lift

MONITORING SYSTEM

Tire pressure monitor

ONBOARD TECHNOLOGIES

Cat Advanced Payload

Cat Payload for Trade (Available in Europe and Australia. Country certifications vary. Contact your Cat dealer for more information.)

Cat Payload Printer with E-ticket

SAFETY

4-point seat belt (kit)

Rear vision camera, dedicated

Surround vision, dedicated

Window cleaning platform, front

Collision warning system

Collision mitigation system

Reverse strobe lights

Warning beacon

Secondary steering system, electrical (Standard or optional depending on region. Consult your Cat dealer.

Wheel chocks

Remote control

ADDITIONAL EQUIPMENT

Cat Autolube system

Fenders, extensions or roading

Guards: powertrain, crankcase, window glass, cylinders, rear

Biodegradable hydraulic oil

High-speed oil change system

Rear cab access

Single Life Cutting Edge GET

Toolbox

SPECIAL CONFIGURATIONS

Aggregate handler counterweight

Waste and industrial

Forestry

Corrosion resistant

Forestry

Corrosion resistant