

Product Specifications For 962



Engine

Engine Power - 2,100 rpm ISO 14396:2002	269 hp
Engine Power - 2,100 rpm ISO 14396:2002	273 hp (metric)
Engine Model	Cat® C7.1
Gross Power - 2,100 rpm SAE J1995:2014	273 kW
Gross Power - 2,100 rpm SAE J1995:2014	277 hp (metric)
Net Power - 2,100 rpm ISO 9249:2007, SAE J1349:2011	255 hp (metric)
Engine Torque - 1,400 rpm ISO 14396:2002	918 lbf·ft
Gross Torque - 1,400 rpm SAE J1995:2014	926 lbf·ft
Net Torque - 1,400 rpm ISO 9249:2007, SAE J1349:2011	867 lbf·ft
Displacement	427 in ³
Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards.
Biodiesel Capability	Up to B20 ¹

- Note (1)** The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and aftertreatment.
- Note (2)** ¹Cat engines are compatible with diesel fuel blended with following lower carbon intensity fuels up to: • 20% 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 44469 lb

Note Weight based on a machine configuration with parallel lift 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	4.3 mile/h
Forward - 2	7.5 mile/h
Forward - 3	12 mile/h
Forward - 4	16 mile/h
Forward - 5	24.5 mile/h
Reverse - 1	4.3 mile/h
Reverse - 2	7.5 mile/h
Reverse - 3	16 mile/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 70 dB(A)

Exterior Sound Power Level - ISO 6395:2008 107 dB(A)

Operator Sound Pressure Level - ISO 6396:2008 ¹ 69 dB(A)

Exterior Sound Power Level - ISO 6395:2008² 104 dB(A)

Note (1) ¹Including countries that adopt the EU and UK Directives.

Note (2) ²Exterior Sound Power Level - European Union Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701.

Air Conditioning System

Air Conditioning The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.5 lb) of refrigerant which has a CO2 equivalent 2.288 metric tonnes (2.522 tons).

Operating Specifications

Static Tipping Load - Full 40° Turn - With Tire Deflection 25869 lb

Static Tipping Load - Full 40° Turn - No Tire Deflection 27529 lb

Breakout Force 42489 lbf

Note (1) For a machine configuration as defined under "Weight."

Note (2) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 90% verification between calculations and testing.

Service Refill Capacities

Fuel Tank	68.6 gal (US)
DEF Tank	4 gal (US)
Cooling System	14.3 gal (US)
Crankcase	5.5 gal (US)
Transmission	11.4 gal (US)
Differential - Final Drives - Front	11.4 gal (US)
Differential - Final Drives - Rear	11.4 gal (US)
Hydraulic Tank	25.6 gal (US)

Hydraulic System

Implement System - Maximum Pump Output at 2,340 rpm	85 gpm
Implement System - Maximum Operating Pressure	4250 psi
Hydraulic Cycle Time - Total	9.4 s

Dimensions - Standard Lift

Height - Top of Hood	8.75 ft
Height - Top of ROPS	11.25 ft
Ground Clearance	1.08 ft
Wheel Base	10.92 ft
Overall Length - Without Bucket	23.83 ft

Hinge Pin Height at Carry Height	2.17 ft
Hinge Pin Height at Maximum Lift	13.83 ft
Lift Arm Clearance at Maximum Lift	11.33 ft
Rack Back - Maximum Lift	55 °
Rack Back - Carry Height	51 °
Width over Tires (Loaded)	9.33 ft
Tread Width	7 ft

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	8.75 ft
Height - Top of ROPS	11.25 ft
Ground Clearance	1.08 ft
Wheel Base	10.92 ft
Overall Length - Without Bucket	25.17 ft
Hinge Pin Height at Carry Height	2.5 ft

**Hinge Pin Height at
Maximum Lift** 14.75 ft

**Lift Arm Clearance at
Maximum Lift** 11.83 ft

**Rack Back - Maximum
Lift** 56 °

**Rack Back - Carry
Height** 48 °

**Width over Tires
(Loaded)** 9.33 ft

Tread Width 7 ft

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.

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 belt, monitored
Seat, cloth, air suspension
Touchscreen display
Keypad, programmable buttons
Air conditioner, heater, defroster (auto temp, fan)
Sun visor, front and rear, retractable

ON-BOARD TECHNOLOGIES

Cat Payload scale
Autodig with auto set tires
Operator ID & machine security

Job Aids
Controls help and eOMM
Key Features Inform
Bucket Carry Display Widget
Remote Flash

POWERTRAIN

Cat C7.1 engine
Electric fuel priming pump
Fuel-water separator and secondary fuel filter
Engine, air precleaner
Axles, open/open differentials (Standard depending on region)
Axles, auto front differential lock (LHD)
Transmission, countershaft, automatic powershift
Torque converter with lock-up
Service brakes, hydraulic, fully enclosed wet disc, wear indicators
Park brake, caliper on front axles, spring applied–pressure released
Brake pedal neutralizer with decel function

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

ELECTRICAL

Starting and charging system, 24V
Starter, electric, heavy duty
Lights: halogen, 4 work lights, 2 front roading lights with turn signals, 2 rearview lights

MONITORING SYSTEM

Front dash with analog gauges, LCD display, and warning lights
Primary touchscreen monitor (Cat Payload, quad screens, machine settings & messages)
Maintenance reminders

LINKAGE

Parallel Lift, Z-bar
Kickouts: lift and tilt

SAFETY

Visibility: mirrors, rearview camera
Window cleaning platform, front

962 Optional Equipment

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

OPERATOR ENVIRONMENT

Door, remote opening system (Standard depending on region)

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

Window, front, laminated

Windows, front, heavy duty

Full cab window guard

ON-BOARD TECHNOLOGIES

Cat Advanced Payload

Cat Payload Printer with E-ticket

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

Remote Control

POWERTRAIN

Turbine, air precleaner

Radiator, high debris

Cooling fan, reversible

Axles, auto front differential lock (HMU)

Axles, auto differential locks front and rear

Axles, ecology drains, AOC ready, extreme temperature seals

Axles, oil cooler

Ride control, dual accumulators (Standard depending on region)

HYDRAULICS

3rd and 4th auxiliary functions with ride control

Quick coupler control

ELECTRICAL

Cold start, 120V or 240V

Lights: LED

LINKAGE

High lift

MONITORING SYSTEM

Tire pressure monitor

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

Toolbox

SAFETY

Cat Detect rear radar system

Dedicated rearview screen

Multiview (360°) vision system

4-Point seat belt retractor

Reversing strobe lights

Seat belt monitoring beacon

Secondary steering system, electrical (Standard depending on region)

Wheel chocks

Warning beacon

SPECIAL CONFIGURATIONS

Collision Warning System with Motion Inhibit and People Detection

Auxiliary Counterweight

Waste and industrial

Forestry

Corrosion resistant