

Product Specifications For 120



Engine

Net Power Range (Tier 3)	123 kW
Engine Model	Cat 7.1
Engine RPM	2,000
Emissions	China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA, and meets India CEV Stage V emission standards
Bore	105 mm
Derating Altitude	3000 m
Displacement	7.01 l
Maximum Torque - ISO 9249	822 N·m
Standard Capability	50 °C
Stroke	135 mm
Torque Rise - ISO 9294	42%
Number of Cylinders	6
Note (1)	Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.
Note (2)	Net power advertised is the power available at rated speed of 2,000 rpm, measured at the flywheel when engine is equipped with fan, air cleaner, muffler and alternator.
Note (3)	Power as declared per ISO 14396

Weights

Operating Weight - Typically Equipped

15803 kg

Air Conditioning System

Note The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg of refrigerant which has a carbon dioxide equivalent of 2.288 metric tonnes.

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.

Moldboard

Blade Width 3.7 m

Arc Radius 413 mm

Blade Height 610 mm

Cutting Edge 152 mm

Cutting Edge Width 152 mm

End Bit 152 mm

Throat Clearance 105 mm

Blade Range

Blade Tip Range Forward 40

Blade Tip Range Backward 5

Circle Center Shift Left 656 mm

Circle Center Shift Right 656 mm

Maximum Depth of Cut 775 mm

Maximum Lift Above Ground	410 mm
Maximum Shoulder Reach Left	1764 mm
Maximum Shoulder Reach Right	1928 mm
Moldboard Side Shift Left	512 mm
Moldboard Side Shift Right	663 mm

Machine Weight

Note	Typically equipped includes ROPS cabin, 3.7 m (12 ft) blade, 14.00R24 tires, push plate, ripper, bottom guard, operator, and full fluids.
Note (1)	Typically equipped includes ROPS cabin, 3.7 m (12 ft) blade, 14.00R24 tires, push plate, ripper, bottom guard, operator, and full fluids.
Lever/Steering Wheel Weight* Tier 3	15803 kg

Dimensions

Length of Machine*	9838 mm
Maximum Height	3440 mm
Width	2592 mm

Note *Typically equipped with push block and ripper.

Service Refill Capacities

Circle Drive	7 l
Cooling System	52.5 l
Engine Crankcase	18 l
Fuel Tank	246 l

Hydraulic System

75 l

Transmission and Differential

60 l

120 Standard Equipment

NOTE

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

Cab

Vinyl Seat

ROPS, Standard Sound Suppression

Steering Wheel/Lever Controls

Heating/Cooling Cab System

Base Cab

254 mm (10 in) Hybrid Information Display

Halogen Lighting

Cat Technology

[Product Link](#)

Engine

Cat C7.1

ECO Mode

Hydraulic Demand Fan

Drawbar Circle Moldboard

Standard

Safety

Parking brake

Parking brake

Signaling/warning horn

Rearview mirror

Hydraulic brakes

Side view mirrors

Walkways and Grab Rails

120 Optional Equipment

NOTE

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

Cab

Cloth or Leather Seat
Steering Wheel/Lever Controls
Rear Wiper
Comfort Plus
Premium Plus
Seatbelt Indicator
Heated/Cooled Seat
Bluetooth/Auxiliary Radio
LED Lighting
Rear Window Screen

Cat Technology

Stable Blade
Remote Services

Safety

Secondary steering system
Rearview camera

Drawbar Circle Moldboard

Circle Saver

Versatility

Counterweight
Push Block
Ripper
Scarifier
Front Blade
Front Blade
Front Blade