

Product Specifications For 140 Next Gen



Engine

Net Power - ISO 9249/SAE J1349	255 hp
Engine Model	Cat® C7.1
Bore	4.1 in
Stroke	5.3 in
Displacement	1.9 Gal
Number of Cylinders	6

Weights

Operating Weight - Typically Equipped	42543 lb
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Moldboard

Blade Width	12 ft
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Machine Weight

Joystick Weight* Tier 4	42543 lb
Joystick All-Wheel Drive (AWD) Weight* Tier 4	43497 lb
Note (1)	* Typically equipped operating weight is calculated with full fuel tank, coolant, lubricants, operator, push block, transmission guard, rear ripper/scarifier, 14.0R24 tires on multi-piece rims, and other equipment.

Dimensions

Height - Top of Cab	136 in
Height - Front Axle Center	24.1 in

Height - Top of Cylinders	119.8 in
Height - Exhaust Stack	130.4 in
Length - Push Plate to Ripper	405 in
Length - Front Tire to Rear of Machine	350.8 in
Length - Between Tandem Axles	59 in
Width - Tire Center Lines	82.2 in
Ground Clearance - Rear Axle	13.1 in
Note	All dimensions are approximate and apply to all 140 configurations (Non-AWD, AWD, LVR, and Joystick) unless otherwise noted.

Air Conditioning System

Note	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 1.6 kg (3.5 lb) of refrigerant which has a CO2 equivalent of 2.288 metric tonnes (2.521 tons).
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Power Train

Forward/Reverse Gears	9 Forward / 6 Reverse
Transmission	Countershaft Torque Converter Powershift
Brakes - Service	Dual Circuit Hydraulic
Brakes - Secondary	Dual Circuit Hydraulic
Brakes - Parking	Spring Applied Hydraulic Release

Hydraulic System

Circuit Type	Parallel
Pump Type	Variable Piston
Pump Output*	3503 psi
Reservoir Tank Capacity	15.9 Gal
Note	*Pump output measured at 2000 RPM rated speed

Service Refill Capacities

Cooling System	11.4 Gal
Diesel Exhaust Fluid Tank (Tier 4 Only)	6.6 Gal
Engine Crankcase	5.3 Gal
Fuel Tank	98 Gal
Hydraulic System	15.9 Gal
Transmission and Differential	18 Gal

Standards

Steering	ISO 3449:2005, Level II
Brakes	ISO 3450:2011; AIS-143:2018
Sound	ISO 6396: ISO 6395

140 Next Gen Standard Equipment

NOTE

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

OPERATOR ENVIRONMENT

Adjustable steering wheel/lever controls

Seat belt

Electric throttle control

Fully redesigned cab with sound suppression and integrated Roll Over Protective Structure (ROPS) and Falling Object Protection System (FOPS)

Full color ten-inch (254 mm) liquid crystal touch screen display

Added storage areas

Information display screen

Entertainment radio ready

Cup holder

Cell phone holder

Dome interior light

Coat hook

Front wipers

SAFETY

Back-up alarm

Grab rails

Hydraulic brakes

Hydraulic system - integrated dead engine implement lower

Hydraulic system - integrated work port pressure relief

Parking brake

Rearview mirror

Side view mirrors

Signaling/warning horn

POWERTRAIN

Cat C7.1 diesel engine

Eco mode

On-demand fan

43° C (109° F) standard capacity

DRAWBAR CIRCLE MOLDBOARD

Standard drawbar circle moldboard

Circle drive slip clutch

ELECTRICAL

Reversing lights

Breaker panel

900 CCA standard duty batteries

Electric starter

Rear lights with LED lighting

Halogen lighting

SERVICE AND MAINTENANCE

Ground Level DEF and Fuel Fill

Grouped location for engine oil and fuel filters

Extended life coolant

Next Generation Filters for Fuel and Engine Oil

GUARDS

Transmission

140 Next Gen Optional Equipment

NOTE

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

OPERATOR ENVIRONMENT

Lower front wipers

Mechanical suspension seat

Heated / cooled air suspension seat

Heating/cooling cab system

Defrost fans

Rear wiper

Cab plus

Rear window screen

Digital blade slope meter

Product Link

SAFETY

Four-point safety harness seat belt

Operator Presence System

Rearview camera

Secondary steering system

Walkways

Warning beacon

POWERTRAIN

Heavy duty starter

Transmission with Autoshift

DRAWBAR CIRCLE MOLDBOARD

Top Adjust Drawbar

High Performance Circle

Circle drive slip clutch

Circle saver

Remote Pinion Lube

4.9 m (16 foot) Moldboard

ELECTRICAL

145A Brushed Alternator
1,400 CCA heavy duty batteries

SERVICE AND MAINTENANCE

Fast fuel fill ready
Underhood Lighting

GUARDS

Fender
Cover, under cab platform
Steering Cylinder Guards

VERSATILITY

Towing hitch
L3 tires
Sy-Klone pre-cleaner

ATTACHMENTS AVAILABLE FROM FACTORY

Lift Groups
High Performance Circle
Counterweight
Push block
Mid-Machine Scarifier (MMS)
Rear Ripper/Scarifier
Moldboards
Front Blade

ATTACHMENTS

Lift Groups
High Performance Circle
Counterweight
Push block
Mid-Machine Scarifier (MMS)
Rear Ripper/Scarifier
Moldboards
Front Blade
Snow Wings
V-Plow
Straight Plow
Brooms