

Product Specifications For 140



Engine

Net Power - ISO 9249/SAE J1349	174 kW
Engine Model	Cat® C7.1
Bore	105 mm
Number of Cylinders	6

Weights

Operating Weight - Typically Equipped	18748 kg
---------------------------------------	----------

Moldboard

Blade Width	4267 mm
-------------	---------

Dimensions

Height - Top of Cab	3454 mm
Height - Front Axle Center	612 mm
Height - Top of Cylinders	3044 mm
Height - Exhaust Stack	3313 mm
Length - Push Plate to Ripper	10297 mm
Length - Front Tire to Rear of Machine	8911 mm
Length - Between Tandem Axles	1498 mm
Width - Tire Center Lines	2087 mm

Ground Clearance - Rear Axle	333 mm
------------------------------	--------

Note	All dimensions are approximate and apply to all 140 configurations (Non-AWD, AWD, Lever, 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).
------	---

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*	24150 Pa
--------------	----------

Maximum System Pressure	25500 Pa
-------------------------	----------

Note	*Pump output measured at 2000 RPM rated speed
------	---

Machine Weight

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.

Standards

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

140 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

Grouped location for engine oil and fuel filters

Extended life coolant

Next generation filters for fuel and engine oil

GUARDS

Transmission

140 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

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