

PRODUCT SPECIFICATIONS FOR 14



ENGINE

**Base Power (1st Gear)
- Net** 178 kW

Engine Model Cat C13

Bore 130 mm

Stroke 157 mm

Speed at Rated Power 1,850 rpm

Note (3) Net power advertised is the power available at rated speed of 1,850 rpm, measured at the flywheel when engine is equipped with fan, air cleaner, muffler and alternator.

Standard Capability 50 °C

Note (2) Optimized VHP Plus is standard for the 14M3.

Torque Rise 41%

**Maximum Altitude -
Full Power** 4237 m

**Maximum Torque -
VHP Plus** 1542 N·m

Emissions Tier 4 Final/Stage V, Tier 3/Stage IIIA equivalent or Tier 2/Stage II equivalent

**Maximum Altitude -
Full Power (Tier 3)** 4374 m

**Maximum Altitude -
Full Power (Tier 2)** 3672 m

Note (1) Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.

Standard - Fan Speed - Minimum 550 rpm

Note (4) Power as declared per ISO 14396. Rated rpm 1,850. VHP+ = 228 kW (306 hp)

Note (5) Cat engines equipped with a Selective Catalytic Reduction (SCR) system are required to use: Diesel Exhaust Fluid (DEF) which meets the requirements outlined in the International Organization for Standardization (ISO) standard 22241-1.

Standard - Fan Speed - Maximum 1,600 rpm

Displacement 12.5 l

Number of Cylinders 6

FRAME

Circle - Outer Diameter 1822 mm

Front Axle - Wheel Lean - Left/Right 17.1°

Front Axle - Total Oscillation per Side 32°

SERVICE REFILL CAPACITIES

Transmission and Differential 89 l

Diesel Exhaust Fluid Tank (Tier 4 Only) 22 l

Hydraulic System 125 l

Circle Drive 7 l

Cooling System 60 l

Fuel Tank	416 l
-----------	-------

MOLDBOARD

Blade Width	4.2 m
-------------	-------

Arc Radius	413 mm
------------	--------

Throat Clearance	117 mm
------------------	--------

Blade Width - With End Bits	4290 mm
-----------------------------	---------

Blade Height - With Cutting Edge	631 mm
----------------------------------	--------

Blade Width - Without End Bits	4166 mm
--------------------------------	---------

Blade Height - Without Cutting Edge	585 mm
-------------------------------------	--------

BLADE RANGE

Maximum Depth of Cut	593 mm
----------------------	--------

Circle Centershift - Left	650 mm
---------------------------	--------

Maximum Lift Above Ground	419 mm
---------------------------	--------

Circle Centershift - Right	520 mm
----------------------------	--------

Blade Tip Range - Backward	5°
----------------------------	----

Maximum Shoulder Reach Outside of Tires - Right	2004 mm
---	---------

Moldboard Sideshift - Right	790 mm
-----------------------------	--------

Moldboard Sideshift - Left	740 mm
----------------------------	--------

Maximum Shoulder Reach Outside of Tires - Left	1870 mm
--	---------

Blade Tip Range - Forward	40°
---------------------------	-----

WEIGHTS

Operating Weight - Typically Equipped	25968 kg
--	----------

Gross Vehicle Weight - Base* - Total	23124 kg
---	----------

Gross Vehicle Weight - Base* - Front Axle	6344 kg
--	---------

Gross Vehicle Weight - Typically Equipped - Total	25968 kg
--	----------

Gross Vehicle Weight - Typically Equipped - Rear Axle	19053 kg
--	----------

Gross Vehicle Weight - Typically Equipped - Front Axle	6915 kg
---	---------

Gross Vehicle Weight - Base* - Rear Axle	16780 kg
---	----------

Note	*Base operating weight calculated on standard machine configuration with 20.5 R25 tires, full fuel tank operator and ROPS cab.
-------------	--

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 2 kg (4.4 lb) of refrigerant which has a CO2 equivalent of 2.860 metric tonne (2.76 ton).
-------------------------	--

14 STANDARD EQUIPMENT

NOTE

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

OPERATOR ENVIRONMENT

Joystick, power adjustable armrests
Air conditioner with heater
Centershift pin indicator

Coat hook
Cup holder
Display, digital speed and gear
Doors, left and right side with wiper
Gauges (analog) inside cab (includes fuel, articulation, engine coolant temp, engine rpm, and hydraulic oil temp)
Gauges, machine level
Message display
Joystick gear selection
Joystick hydraulic controls for implements, steering, transmission
Ladders, cab, left and right side
Lights, left and right side lights
Lights, night time cab, LED
Meter, hour, digital
Mirror, inside rearview, wide angle
Power port, 12V
Radio ready, entertainment
ROPS cab, sound suppressed, less than 73 dB(A) ISO 6394 (70% fan speed)
Seat, mechanical suspension, cloth
Storage compartments
Throttle control, electronic

POWER TRAIN

Air cleaner, dual stage, dry-type radial seal with service indicator through messenger and dust ejector
Articulation, automatic Return-to-Center
Air-to-Air After Cooler (ATAAC)
Auto Diff Lock
Brake wear indication
Brakes, oil disc, four-wheel, hydraulic
Consistent power to ground
Monitoring system
Clutch, circle drive slip
Differential, lock/unlock*
Drain, engine oil, ecology
Demand fan, hydraulic
Engine ECO Mode
Ether starting aid
Fuel tank, ground level
Fuel-water separator
Hydraulic demand fan
Muffler, under hood (China Nonroad Stage III and Tier 3/Stage IIIA/Tier 2/Stage II equivalent)
Optimized VHP
Parking brake - multi disc, sealed, oil-cooled
Priming pump, fuel
Sediment drain, fuel tank

Three variations of the C13 engine. One meets Tier 4 Final/Stage V emission standards and is required for higher regulated countries. One meets Tier 3/Stage IIIA/China Nonroad Stage III standards, depending on emission standards of the specific country. One meets Tier 2/Stage II equivalent emission standards and is available for lesser or non-regulated countries, depending on standards of the specific country.

Transmission, 8F/6R, power shift, direct drive

ELECTRICAL

Alternator, 150 ampere, sealed

Batteries, maintenance free, HD, 1,125 CCA

Breaker panel

Electrical system, 24V*

Belt, serpentine, automatic tensioner

Lights: reversing (LED), roof-mounted roading, stop and tail (LED)

Product Link

Starter, electric

Service lights, enclosure, rear, LED

SAFETY

Alarm, back up

Ground level engine shutdown

Hammer (emergency exit)

Horn, electric

Lockout, hydraulic implement for roading

Operator Not Present Monitoring system

Paint, glare reducing - top of front frame, rear enclosure and ripper cylinders

Seat belt, retractable 76 mm (3 in)

Secondary steering

Windows, laminated glass: Fixed front with intermittent wiper; Side and rear wipers (3)

14 OPTIONAL EQUIPMENT

NOTE

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

OPERATOR ENVIRONMENT

Air horn

Heated door

Mirrors high visibility

Mirrors, outside heated 24V

Mirrors, outside mounted

Seat, heated

Seat, heated/ventilated

Rearview camera

Seat belt indicator

POWER TRAIN

Transmission, autoshift
Engine, compression brake

TECHNOLOGY

Cat GRADE with Cross Slope
Stable Blade
Advanced Control Joysticks
Auto Articulation

GUARDS

Debris guard
Front axle cylinder guards
Rear fenders
Sound suppression, engine enclosure and transmission
Transmission guard
Accumulators, blade lift
Fast fill fuel, 378.5 L/min (100 gal/min)
Metallic DCM wear strips

ELECTRICAL

Light, LED, warning strobe
Lights, front headlights high
Lights, front headlights low
Mounting, for warning light
Working lights halogen
Working lights LED

SAFETY

Additional rearview camera and monitor
Machine security system key

OTHER ATTACHMENTS

Moldboard, 4.9 m (16 ft)
Heater, engine coolant, 120V
Heater, engine coolant, 240V
Hydraulic arrangements with additional hydraulic valves: Base +1, Base +3, Base +4, Base +5, Base +6
Product Link satellite, cellular
Rim, 431.8 mm x 635 mm (17 in x 25 in) MP (spare)
Snow wing, mounting frame ready
Fast fill

WORK TOOLS/G.E.T.

4.9 m (16 ft) blade with flat cutting edge 254 mm x 35 mm (10in x 1 3/8 in)
Push block, counterweight
Ripper, rear

Tooth, ripper

FLUIDS

Coolant, -51 degrees C (-60 degrees F)