

Product Specifications For 24



Engine

Net Power - EEC 80/1269	399 kW
Bore	137.2 mm
Stroke	152.4 mm
Note (1)	Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.
Note (3)	Net power advertised is the power available at rated speed of 1,800 rpm, measured at the flywheel when engine is equipped with fan, air cleaner, muffler and alternator.
Note (2)	Optimized VHP Plus is standard for the 24.
Standard Capability	50 °C
Emissions	Tier 4 Final/Stage IV or Equivalent to Tier 2/Stage II
Note (4)	Power as declared per ISO 14396. Rated rpm 1,800 (561 hp)
Engine Model	Cat C27
Displacement	27.03 l
Number of Cylinders	12

Weights

Operating Weight - Typically Equipped	74985 kg
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Moldboard

Blade Width	7.3 m
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Blade Height	1025 mm
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Blade Range

Maximum Depth of Cut	550 mm
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Maximum Lift Above Ground	410 mm
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Air Conditioning System

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.
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Machine Weight

Weight*	73344 kg
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24 Standard Equipment

NOTE

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

POWER TRAIN

- Engine: C27
- 24-volt electric start
- Air filters, dual with precleaner
- Automatic dust ejector
- Ether starting aid
- Automatic fan, suction with hydraulic demand
- Drive, near zero fan speed
- Torque divider, lock-up
- Transmission, 533 mm (21 in) planetary powershift with 6F/3R, ECPC
- Enhanced auto-shift, APECS
- Directional shift management
- Differential, lock/unlock (auto/manual)
- Parking brake, multi-disc, sealed and oil cooled
- Fast fill (fuel, hydraulic, transmission, coolant)
- Fuel priming pump, electric
- Electronic prescreener water/fuel
- Prescreener separator, water/fuel
- Thermal shields
- Fluid monitoring (engine, transmission, hydraulic, differential)

ELECTRICAL

Alarm, back-up
Alternator, 150 ampere, sealed, filtered air intake
Maintenance free batteries, 12V (4), 200 amp-hour
Heavy duty starter (two)
Electrical hydraulic valves, base 8
Electrical system, 24 volt
Lights, reversing, stop, tail, turn
Starter receptacle plug-in

OPERATOR ENVIRONMENT

Air conditioner and heater sound suppressed, pressurized cab 73 dB(A) ISO 6394 at 70 percent fan speed
Adjustable armrest
Electro-hydraulic controls
Electronic throttle control
Automatic return to center articulation
10 inch digital touch screen information display
Rear vision camera
Coat hook
Comfort suspension seat, cloth-covered
Front fixed laminated window glass with intermittent wiper, sides (two), rear with wiper/washer
Retractable seat belt, 76 mm (3 in)
Hydraulic implement lockout for roading and servicing

TECHNOLOGY PRODUCTS

VIMS - 3G
Cat Grade with Cross Slope
Overspeed/underspeed protection
Second generation steering system
Ripper auto stow
Circle angle limits

SAFETY AND SECURITY

Fire suppression ready
Circle drive slip clutch
Locking doors
Ground level engine shutdown
Secondary steering
Working at heights tie-off anchors
Rear tandem access platforms
Seat belt indicator

GROUND ENGAGING TOOLS

Moldboard, 7315 mm x 1067 mm x 50 mm (24 ft x 42 in x 2 in)
Rear ripper with seven shank capacity, three shanks/tips provided

OTHER STANDARD EQUIPMENT

Blade lift accumulators

Lincoln Centro-Matic Autolube System

Drawbar, eight shoe with replaceable wear strips

Fuel tank, 908 L (240 gal) fast fill

Ground level fueling

Push plate-counterweight

SOS ports, engine, hydraulic, transmission, coolant, fuel

Hydraulic and electric bulkheads

Fluid service center: engine, transmission, hydraulic oil, and coolant ports

High Performance Circle

24 Optional Equipment

NOTE

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

OPERATOR ENVIRONMENT

Heated seat

Heated and ventilated seat

Air horn

Radio Bluetooth

Radio Satellite Sirius

Outside mounted mirrors

Heated outside mounted mirrors 24V

Rear view camera additional dedicated monitor

Auto articulation

POWER TRAIN

Bar and plate duel core radiator

Precleaner Sy-klone

Control blade variable float

GUARDS

Guard Package including mud guard (two) bottom, eng. Compartment and front axle (two)

Tandem fenders with mounted guardrails

Sound suppression guard package

ELECTRICAL

Halogen operator access lighting package

LED operator access lighting package

Working halogen lighting package

Working LED lighting package

LED warning strobe light

SAFETY

Duel Access CAB platform
Front facing cameras (two)
Fire suppression system
Wheel chocks with mounting bracket

OTHER ATTACHMENTS

VIMS and Satellite Product Link
VIMS and Duel (Cell/Satellite) Product Link
Rims Only option, 25" x 29" MP

WORK TOOLS/G.E.T.

Flat 406 mm x 60 mm (16 in x 2.36 in) cutting edge
Serrated 406 mm x 75 mm (16 in x 2.95 in) cutting edge
Miningbit 355.6 mm x 75 mm (14 in x 2.13 in) cutting edge system
Tooth, ripper
8.5m (24 ft) moldboard

FLUIDS

Cold Weather Package - Arctic hydraulic oil, engine, hydraulic, transmission and coolant heater (240V/30A)