

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

MACHINE WEIGHT

Weight* 73344 kg

MOLDBOARD

Blade Width 7.3 m

Blade Height

1025 mm

BLADE RANGE

Maximum Depth of Cut

550 mm

Maximum Lift Above Ground

410 mm

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)