

PRODUCT SPECIFICATIONS FOR 140K

ENGINE

Base Power (1st Gear) - Net	171.0 HP
Engine Model	Cat C7
Displacement	439.0 in ³
Bore	4.1 in
Stroke	5.0 in
High - Ambient Capability	122.0 °F
Derating Altitude	10000.0 ft
Number of Cylinders	6
Maximum Torque	735.0 ft-lb
Speed at Rated Power	2000.0 r/min
Torque Rise	46%
Note (1)	Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 standards in effect at the time of manufacture.
VHP Range - Net	128-143 kW (171-191 hp)
Note (3)	Maximum torque measured at 1,000 rpm in gears 4-8.
Base Power - Net	171.0 HP
High Ambient - Fan Speed - Maximum	1560.0 r/min
Note (2)	Net power advertised is the power available at rated speed of 2,000 rpm, measured at the flywheel when engine is equipped with fan, air cleaner, muffler and alternator.

MOLDBOARD

Blade Width	12.0 ft
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Arc Radius	16.3 in
Throat Clearance	4.7 in
End Bit - Width	6.0 in
Cutting Edge Width	6.0 in
End Bit - Thickness	0.6 in
Cutting Edge Thickness	0.6 in
Moldboard - Height	24.0 in
Moldboard - Thickness	0.9 in

BLADE RANGE

Moldboard Sideshift - Left	20.2 in
Circle Centershift - Left	29.6 in
Moldboard Sideshift - Right	26.1 in
Circle Centershift - Right	28.7 in
Maximum Lift Above Ground	18.9 in
Maximum Shoulder Reach Outside of Tires - Left	74.6 in
Blade Tip Range - Forward	40°
Maximum Shoulder Reach Outside of Tires - Right	77.9 in
Maximum Depth of Cut	28.9 in
Blade Tip Range - Backward	5°

FRAME

Circle - Outer Diameter	60.2 in
Front Axle - Wheel Lean - Left/Right	18°
Front Axle - Total Oscillation per Side	32°

WEIGHTS

Gross Vehicle Weight - Typically Equipped 38076.0 lb

Operating Weight - Maximum - Front Axle 17649.0 lb

Gross Vehicle Weight - Typically Equipped - Rear Axle 27193.0 lb

Operating Weight - Maximum - Total 50420.0 lb

Gross Vehicle Weight - Typically Equipped - Front Axle 10883.0 lb

Gross Vehicle Weight - Base - Total 32518.0 lb

Operating Weight - Maximum - Rear Axle 32771.0 lb

Gross Vehicle Weight - Base - Rear Axle 23128.0 lb

Gross Vehicle Weight - Base - Front Axle 9390.0 lb

Gross Vehicle Weight - Typically Equipped - Total 38076.0 lb

Note (1) Base weight calculated on standard machine configuration with 14.00-24 12PR (G-2) tires, SP Rims, full fuel tank, coolant, lubricants and 90 kg (198 lb) operator.

Note (2) Typical operating weight calculated on standard machine configuration with HVAC ROPS Cab, 14.00-24 12PR (G-2) tires, MP rims, ripper, push plate, transmission guard, full fuel tank, coolant, lubricants and 90 kg (198 lb) operator.

140K STANDARD EQUIPMENT

ELECTRICAL

Alternator, 115 ampere

Backup alarm, reversing lights

Batteries, maintenance free 750 CCA

Common fuse block

Electrical system, 24 volt

Horn, electric

Indication display

Lights, stop and tail

Motor, starting

Product Link ready

Working lights

OPERATOR ENVIRONMENT

Accelerator

Control console, adjustable

Gauge cluster (includes voltmeter, articulation, engine coolant temperature, air brake pressure and fuel level)

Guard rails, operator station

Hydraulic controls, load sensing (right/left blade lift, circle drive, centershift, sideshift, front wheel lean and articulation)

Indicator lights (includes high beam, LH and RH turn, low engine oil pressure, throttle lock, check engine, transmission filter bypass and check, centershift pin, brake air pressure, parking brake engaged, auto shift)

Key start/stop switch

Meter, hour

Power steering, hydraulic

Seat, vinyl-covered static

Seat belt

Steering wheel, tilt, adjustable

Storage area, cooler/lunch box

Throttle, electronic control

POWER TRAIN

Air cleaner, dry type radial seal with service indicator and automatic dust ejector

Air to air after cooler (ATAAC)

Blower fan

Brakes, oil disc, four-wheel air actuated

Differential with lock/unlock

Eco mode

Engine idle shutdown

Engine, Cat C7 diesel with automatic engine derate and idle control - emits equivalent to Tier 3/Stage IIIA

Fuel water separator

Muffler, under hood

Next gen filter design

Parking brake, multi-disc, sealed and oil cooled

Prescreener

Priming pump, fuel, resiliently mounted

Sediment drain, fuel tank

Tandem drive

Transmission, 8 speed forward and 6 speed reverse, power shift, direct drive with electronic shift control and overspeed protection

VHP (Variable Horse Power)

OTHER STANDARD EQUIPMENT

Blade Float

Bumper, rear

CD ROM Parts Book

Circle drive slip clutch

Cutting edges, 152 mm x 16 mm (6 in x 5/8 in) curved DH-2 steel

Doors, engine compartment

Drawbar, 6 shoe, replaceable nylon composite wear strips

End bits, 16 mm (5/8 in) DH-2 steel

Frame, articulated with safety lock

Fuel tank, 305 L (80.6 gal)

Ground level engine shutdown

Link bar, 7 position

SOS ports, engine, hydraulic, transmission and cooling

Toolbox with padlock

toolbox with padlock

Vandalism protection - including cap locks for hydraulic tank, radiator access cover, fuel tank, engine and transmission oil check/fill and lockable battery boxes

ANTIFREEZE

Extended Life Coolant to -35 degrees Celcius (-30 degrees Fahrenheit)

140K OPTIONAL EQUIPMENT

GUARDS

Guard, transmission

OPERATOR ENVIRONMENT

Air conditioner with heater

Heater, cab

CAB/CANOPY

Cab, ROPS

Cab, Non-ROPS

Canopy, ROPS

Seat, vinyl adjustable

Seat, cloth, contour

Fan, defroster, front window

Fan, defroster, rear window

Sun shade, rear

Wiper/washer, rear

Wipers, intermittent front

Mirrors, dual inside

Mirror, heated

Mirrors, outside mounted

Power port, 12V accessory

Radio, Bluetooth

Radio ready entertainment

Rear vision camera

Tachometer/speedometer

RIPPER/SCARIFIER

Ripper/scarifier, rear mounted

Scarifier, mid mounted, V-Type

LIGHTS

Bar mounted, low, directional and headlights

Beacon light

Combination headlight

Cab and bar mounted, high, directional, headlights and work lights

Rear facing cab lights

POWER TRAIN

Autoshift

OTHER ATTACHMENTS

Cross Slope Indicate

Product Link

Product Link Elite

Snow Wing Mounting, frame-ready

AccuGrade ARO

Dryer, air

Push plate, counterweight

Accumulator, blade lift

Battery, extreme duty (1,400 CCA)

Ether, starting aid

Heater, engine coolant, 220V

Circle Saver

Ripper tow package

HYDRAULICS

Pump, hydraulic, high capacity (210 L/min, 55.7 gal/min)

Hydraulic arrangements with one or more additional hydraulic valves are available for rear ripper, mid-mount scarifier, dozer, snow plow and snow wing

BLADES, MOLDBOARDS

Moldboard - Blade 4267 mm x 610 mm x 22 mm (14' x 24" x 7/8")

Moldboard, top adjust drawbar, circle

Blade, front

Cutting edge, 203 mm x 19 mm (8" x 3/4") - for use with 4.3 m (14') blade

End bits, overlay, reversible pair for use with 203 mm (8") cutting edges