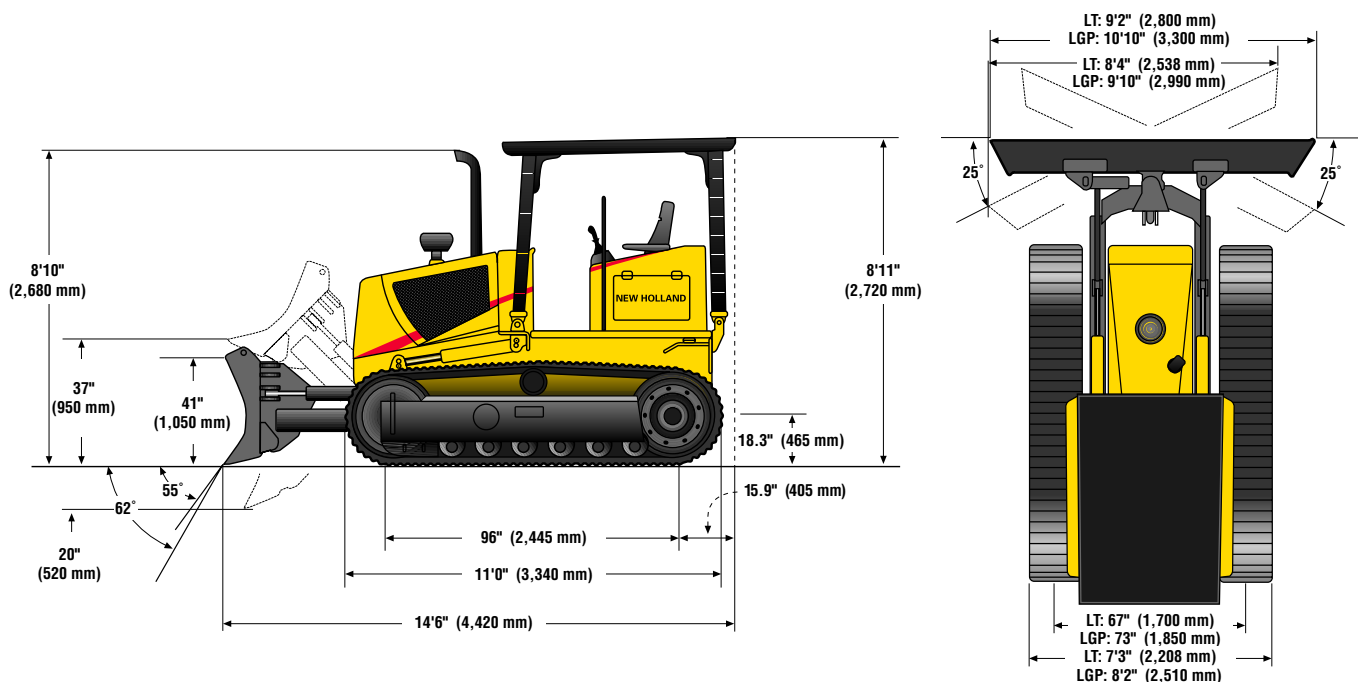


DC100 SPECIFICATIONS



NEW HOLLAND CONSTRUCTION

DC100 DIMENSIONS

BLADE TYPE	Blade width straight	Blade width angled	Blade height	Capacity SAE J1265	Max. tilt	Pitch angle	Digging depth	Max. lift above ground	Overall length with blade**
PAT (LT)*	110" (2,800 mm)	100" (2,538 mm)	41" (1,050 mm)	2.87 yd ³ (2.19 m ³)	15.4" (390 mm)	55°/62°	20" (520 mm)	37" (950 mm)	14'6" (4,420 mm)
PAT (LGP)*	130" (3,300 mm)	118" (2,990 mm)	41" (1,050 mm)	3.4 yd ³ (2.6 m ³)	18.1" (460 mm)	55°/62°	20" (520 mm)	37" (950 mm)	14'6" (4,420 mm)

ENGINE

Net flywheel power (SAE J1349)	100 hp (75 kW)
Make and model	Cummins 4BTA 3.9 Elite
Number of cylinders	4
Type	Turbocharged, aftercooled direct injection, 4-cycle diesel
Rated RPM	2,200
Bore x stroke	4.0" x 4.7" (102 x 120 mm)
Displacement	239 in ³ (3.9 L)
Maximum torque @ 1,600 RPM	327 lbf-ft (443 Nm)

The machine may be operated up to 8,200 ft (2,500 m) altitude without derating the engine. Engine complies with U.S. standards CARB & EPA and with E.U. standard Euro mot 1.

TRANSMISSION

Type	Dual path hydrostatic
Pumps	2, variable displacement
Capacity @ governed RPM	2 x 48 gpm (2 x 180 Lpm)
Relief valve pressure	6,120 psi (42.1 mPa)
Travel motors	One for each track, variable displacement type
Steering system	Hydrostatic
Control	1 pilot joystick for all speed and direction functions
Drawbar pull	35,970 lbf (16,000 daN)

TRAVEL SPEEDS

	Low Range	High Range
Fwd & rev, infinitely variable	0-2.8 mph (0-4.5 km/h)	0-6.0 mph (0-9.7 km/h)

FINAL DRIVES

Type	Double reduction with spring applied/pressure released brakes
Ratio	1:35.6
Lubrication	Oil bath

BRAKES

Parking/emergency brakes	Wet disc, automatic
Service brakes	Hydrostatic (dynamic)

OPERATING WEIGHTS

LT (20" shoes, ROPS, 175 lbs operator)	20,940 lbs (9,500 kg)
LGP (26" shoes, ROPS, 175 lbs operator)	21,380 lbs (9,700 kg)

CHANGES TO OPERATING WEIGHTS LT OR LGP

Addition for track guard, full	+265 lbs (120 kg)
Addition for ROPS cab	+1,130 lbs (513 kg)
Addition for cab heater	+40 lbs (18 kg)
Addition for heater and A/C	+105 lbs (48 kg)
Addition for ripper with 3 shanks	+1,480 lbs (670 kg)

SHIPPING DIMENSIONS

Track shoe width:	LT with 20" (508 mm) shoes	LGP with 26" (660 mm) shoes
Transport width (over shoes)	87" (2,208 mm)	99" (2,510 mm)

* Max angulation ±25°

** With ripper raised, add 28" (710 mm) to overall length

UNDERCARRIAGE		
Track frames	Box section, rigid-type mounting	
Chain	Sealed and lubricated, split master link	
	LT	LGP
Shoe width	20" (508 mm)	26" (660 mm)
Track rollers (per track)	7	7
Carrier rollers (per track)	1	1
Number of shoes (per track)	41	41
Length of track on ground	96" (2,445 mm)	96" (2,445 mm)
Gauge	67" (1,700 mm)	73" (1,850 mm)
Track chain pitch	6.75" (171 mm)	6.75" (171 mm)
Grouser height	1.75" (44.5 mm)	1.75" (44.5 mm)
Ground contact area	3,850 in ² (24,841 cm ²)	5,003 in ² (32,274 cm ²)
Ground pressure	5.4 psi (37 kPa)	4.3 psi (30 kPa)

ATTACHMENT HYDRAULICS		
Pump	Gear type	
Capacity at rated speed	14.3 gpm	(54 L/min)
Relief valve pressure	3,046 psi	(21 mPa)
Control valve (standard)	Open center, 3 balanced spools w/safety lockout device	
Control	Pilot joystick	
Blade control circuit	Raise, hold, lower, float	
Tilt circuit	Left, hold, right	
Angle circuit	Left, hold, right	
6 way PAT blade		
Cylinders:	Double acting control	
Blade lift (2) bore x stroke	3.5" x 16.7"	(90 x 423 mm)
Blade angle (2) bore x stroke	3.15" x 16.7"	(80 x 423 mm)
Blade tilt (1) bore x stroke	3.15" x 4.9"	(80 x 125 mm)
Hydraulic control locking lever	Standard	

RIPPER		
Model	NHC 100	
Type	Parallelogram	
Ripping depth	18"	(450 mm)
Ripping width	66.1"	(1,680 mm)
Shanks	3	
Shank holders	3	
Clearance, under tooth w/ripper raised	21.7"	(550 mm)
Clearance, under tool beam w/ripper lowered	7.9"	(200 mm)
Hydraulic cylinders rod x bore x stroke	2.0 x 3.5 x 10.0	(50 x 90 x 253 mm)
Overall width	71"	(1,800 mm)
Weight (with three shanks)	1,480 lbs	(670 kg)

ELECTRICAL SYSTEM		
Voltage	12V	
Battery	1	
Rating	200 Ah — 1,050 CCA	
Type	Maintenance free	
Starter	2.8 kW	
Alternator	63 A	

CAPACITIES		
Lube oil	2.6 gal	(9.8 L)
Coolant	8.0 gal	(30.0 L)
Fuel	50.0 gal	(190.0 L)
Final drives (each)	1.2 gal	(4.5 L)
Hydraulic system	22.5 gal	(85.0 L)

STANDARD AND OPTIONAL EQUIPMENT

Engine

Cummins 4BTA3.9 Elite
Air Cleaner, dry type, two stage
Air precleaner
Anti-freeze
Cold weather starting aid provision
Fuel priming pump

Hydraulics

Open center hydraulic system
Single lever pilot operated control
3 spool control valve

Transmission

Single lever joystick control
Dual path hydrostatic with 2 speed forward, and 2 speed reverse, infinitely variable
Electro-magnetic travel lock

Operator Station

Parking brake
Horn
Hydraulic control locking lever
Suspension seat with 3" seatbelt
ROPS/FOPS canopy
Decelerator

Main Frame

Drawbar
Full belly guards
Engine side panels; perforated & hinged
Fan-pusher with finger guard
Muffler
Vandalism protection

Instruments

Gauges
Tachometer
Engine coolant temperature
Volt meter
Engine oil pressure
Fuel level
Hour meter
Warning lights:
Air filter restriction
Battery charge
Electronic control system fault
Engine oil pressure
Engine coolant temperature
Fuel level
Pilot oil filter restriction
Hydraulic oil temperature
Indicator lights:
High speed travel engaged
Parking brake engaged

Electrical

63 amp alternator
12-volt system
Back-up alarm
Four halogen headlights
Maintenance-free 200Ah battery
Two rear halogen lights
Master system switch

Undercarriage

Guards: idler, sprocket and track guiding
Hydraulic track adjusters
Sealed And Lubricated Track (SALT) with split master link

LT: 20" (508 mm) track shoes
40 shoes/side
7 lower rollers/side
1 carrier roller/side
67" (1,700 mm) track gauge

LGP: 26" (660 mm) track shoes
40 shoes/side
7 lower rollers/side
1 carrier roller/side
73" (1,850 mm) track gauge

Attachment

Power Angle Tilt (PAT) with adjustable pitch
LT: 2.87 cu yd/110" wide
LGP: 3.4 cu yd/130" wide

OPTIONAL EQUIPMENT

Air conditioning for ROPS cab
Cold-weather starting aid
Control and piping for ripper
Control and piping for fourth hydraulic function — raise, lower, float
Forestry guarding — sweeps, screens, radiator grill guard, air pre-cleaner guard
Heater for ROPS cab
Radiator, land-clearing type
Ripper, parallelogram type, three shanks
PTO provision
ROPS cab
Track roller guards, full
Winch, PTO-driven