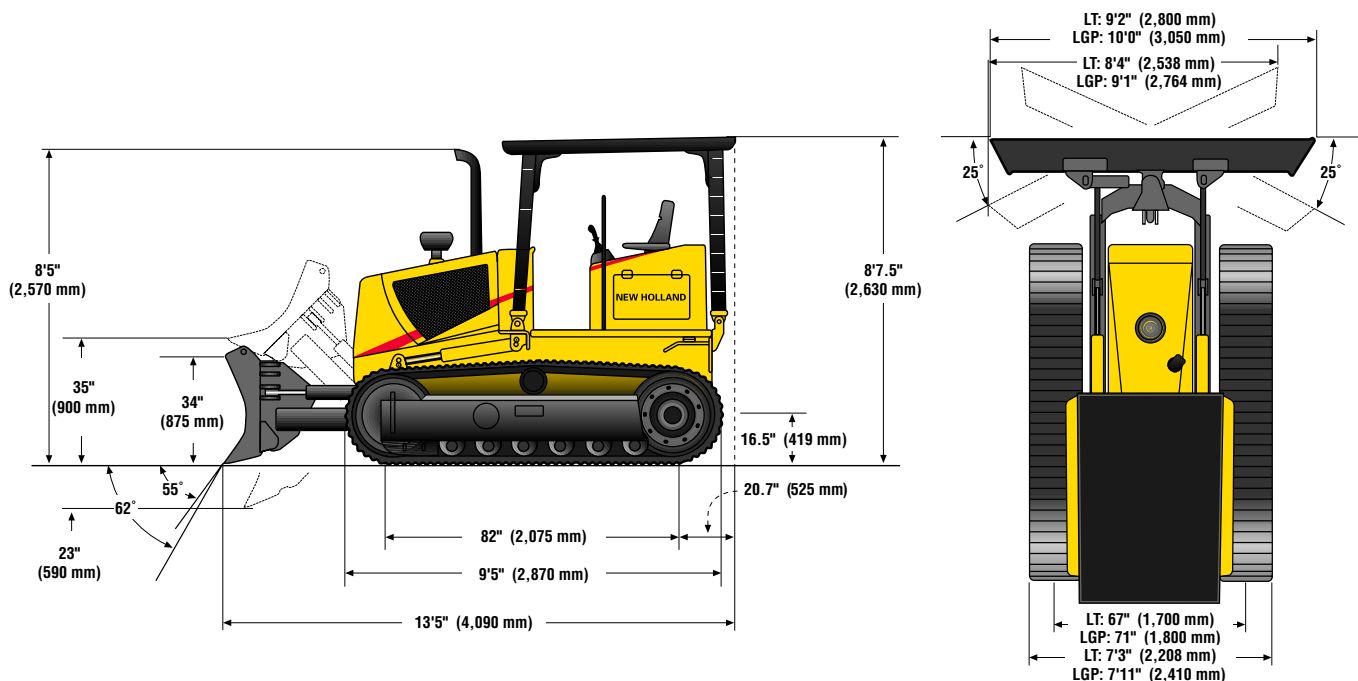


DC80 SPECIFICATIONS



NEW HOLLAND CONSTRUCTION

DC80 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)	34" (875 mm)	2.0 yd ³ (1.53 m ³)	15.4" (390 mm)	55°/62°	23" (590 mm)	35" (900 mm)	13'5" (4,090 mm)
PAT (LGP)*	120" (3,050 mm)	109" (2,764 mm)	34" (875 mm)	2.16 yd ³ (1.65 m ³)	16.9" (430 mm)	55°/62°	23" (590 mm)	35" (900 mm)	13'5" (4,090 mm)

ENGINE

Net flywheel power (SAE J1349)	84 hp	(63 kW)
Make and model	Cummins 4BT3.9 Elite	
Number of cylinders	4	
Type	Turbocharged, direct injection, 4-cycle diesel	
Governed RPM	2,200	
Bore x stroke	4.0" x 4.7"	(102 x 120 mm)
Displacement	239 in ³	(3.9 L)
Maximum torque @ 1,500 RPM	283 lbf-ft	(384 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 34 gpm	(2 x 130 Lpm)
Relief valve pressure	6,020 psi	(41.5 mPa)
Travel motors	One each per track, variable displacement type	
Steering system	Hydrostatic	
Control	1 pilot joystick for all speed and direction functions	
Drawbar pull	30,600 lbf	(13,600 daN)

TRAVEL SPEEDS

	Low Range	High Range
Fwd & rev, infinitely variable	0-2.5 mph (0-4.1 km/h)	0-6.2 mph (0-10.0 km/h)

FINAL DRIVES

Type	Double reduction planetary type
Ratio	1:35.32
Lubrication	Oil bath

BRAKES

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

OPERATING WEIGHTS

LT (20" shoes, ROPS, 175 lbs operator)	16,400 lbs	(7,440 kg)
LGP (24" shoes, ROPS, 175 lbs operator)	16,710 lbs	(7,580 kg)

CHANGES TO OPERATING WEIGHTS LT OR LGP

Addition for track guard, full	+165 lbs	(75 kg)
Addition for ROPS cab	+1,130 lbs	(513 kg)
Addition for cab heater	+40 lbs	(18 kg)
Addition for heater and A/C	+100 lbs	(45 kg)
Addition for ripper with 3 shanks	+1,390 lbs	(630 kg)

SHIPPING DIMENSIONS

Track shoe width:	LT with 20" (508 mm) shoes	LGP with 24" (610 mm) shoes
Transport width (over shoes)	87" (2,208 mm)	95" (2,410 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)	24" (609 mm)
Track rollers (per track)	6	6
Carrier rollers (per track)	1	1
Number of shoes (per track)	39	39
Length of track on ground	82" (2,075 mm)	82" (2,075 mm)
Gauge	67" (1,700 mm)	71" (1,800 mm)
Track chain pitch	6.125" (156 mm)	6.125" (156 mm)
Grouser height	1.75" (44.5 mm)	1.75" (44.5 mm)
Ground contact area	3,268 in ² (21,082 cm ²)	3,923 in ² (25,315 cm ²)
Ground pressure	5.1 psi (35 kPa)	4.4 psi (30 kPa)

ATTACHMENT HYDRAULICS		
Pump	Gear type	
Capacity at rated speed	14.3 gpm	(54 L/min)
Relief valve pressure	2,611 psi	(18 mPa)
Control valve (standard)	Open center, 3 balanced spools w/safety lock device	
Actuation (blade)	Pilot joystick	
Blade control circuit	Raise, hold, lower, float	
Tilt circuit	Left, hold, right	
Angle circuit	Left, hold, right	
Cylinders:	Double acting control	
6-way PAT blade:		
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 70/80	
Type	Parallelogram	
Ripping depth	19"	(480 mm)
Ripping width	66.1"	(1,680 mm)
Shanks	3	
Shank holders	3	
Clearance, under tooth w/ripper raised	18.1"	(460 mm)
Clearance, under tool beam w/ripper lowered	7.9"	(200 mm)
Hydraulic cylinders rod x bore x stroke	1.8 x 3.2 x 9.5	(45 x 80 x 242 mm)
Overall width	71"	(1,800 mm)
Weight (with three shanks)	1,390 lbs	(630 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	21.1 gal	(80.0 L)

STANDARD AND OPTIONAL EQUIPMENT

Engine

Cummins 4BT3.9Elite
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 speeds forward and 2 speeds reverse, infinitely variable
Electromagnetic travel lock

Operator Station

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

Main Frame

Drawbar
Full belly guards
Engine side panels, perforated and 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
39 shoes/side
6 lower rollers/side
1 carrier roller/side
67" (1,700 mm) track gauge

LGP: 24" (610 mm) track shoes
43 shoes/side
6 lower rollers/side
1 carrier roller/side
71" (1,800 mm) track gauge

Attachment

Power Angle Tilt (PAT) with adjustable pitch
LT: 2.0 cu yd/110" wide
LGP: 2.16 cu yd/120" 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