

POWER BEHIND THE BLADE



BENETRAX
D350

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ENGINE

Model & type	Cummins NTA855-C360S10; water-cooled, in-line, water-cooled; 4-cycle, overhead valve direct injection, turbocharged and intercooled
Rated power	257 kw@1800 rpm
Maximum torque	1440 Nm@1400 rpm
Number of cylinders	6
Piston displacement	14 L
Emission standard	Tier 2

REFILL CAPACITIES

Diesel fuel	640 L
Engine oil	47 L
Hydraulic oil	164 L
Rear axel box	185 L
Final transmission (each)	55 L
Coolant capacity	121 L

POWER TRANSMISSION SYSTEM

Torque converter	3-element, 1 stage, 1 phase
Transmission	Planetary gear, multi-disc clutch, power shift, forced lubrication
Main drive	Spiral bevel gear, splash lubrication, single-stage speed reduction
Steering clutch	Wet, multi-disc, spring loaded, hydraulically separated, hydraulic control
Steering brake	Wet, floating band, foot brake with hydraulic booster
Final drive	2-stage speed reduction of spur gear, splash lubrication
Drawbar pull	318 kN

RIPPER

Maximum digging depth of 3-shank ripper	842 mm
Maximum lift above ground	883 mm
Weight of 3-shank ripper	3802 kg
Maximum digging depth of single ripper	1250 mm
Maximum lift above ground	965 mm

WEIGHT & DIMENSIONS

Operating weight with ripper	41 ton
L × W × H (mm)	8883 × 4150 × 3600

UNDER CARRIAGE

Type	Swing type of sprayed beam, suspended structure of equalizer bar
Carrier rollers	2 each side
Track rollers	7 each side (single flange 6, double flange 2)
Number of track shoes (per side)	41 each side
Width of track shoes	610 mm
Pitch	228.6 mm
Ground pressure	0.11 MPa

HYDRAULIC SYSTEM

Maximum pressure	14 MPa
Pump type	Gear pump
Discharge (at revolution of 2000 rpm)	355 (1795 rpm) L/min
Bore of working cylinders × no (double-acting type)	140 mm × 2
Pilot control blade and ripper	

TRAVEL SPEED

Gear	1st	2nd	3rd
Forward	0-3.6 km/h	0-6.6 km/h	0-11.5 km/h
Reverse	0-4.4 km/h	0-7.8 km/h	0-13.5 km/h

BLADE

Blade type	Semi-U blade
Dozing capacity	11.9 m ³
Blade width	4130 mm
Blade height	1710 mm
Maximum lifting height	1560 mm
Maximum drop below ground	560 mm
Maximum tilt adjustment	1000 mm
Blade weight	4924 kg