

NASR | MACHINE
INTERNATIONAL

ND350

Engine Model Cummins NTA855-C360S10

Gross Power 257kW(350hp)/2000rpm

Operating Weight 37200kg

Powered by **Innovation**



ND350

Technical Parameters:

	ENGINE			
	Model & type	Cummins NTA855-C360S10; In-line, water-cooled; 4-cycle, overhead valve direct injection, turbocharged diesel		
	Rated revolution	2000 rpm		
	Rated power	257 kW		
	Number of cylinders	6—139.7 x 152.4 (mm x stroke)		
	Piston displacement	14010 ml		
	Min. fuel consumption	245 g/kW·h		
	Maximum torque	1440 N·m@1400rpm		
	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		
	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
	UNDER CARRIAGE SYSTEM			
	Type	Swing type of sprayed beam, suspended structure of equalizer bar		
	Carrier rollers	2 each side		
	Track rollers	7 each side (single flange 5, double flange 2)		
	Number of track shoes (per side)	41 each side		
	Width of track shoes	560 mm		
	Pitch	228.6 mm		
	HYDRAULIC SYSTEM			
	Maximum pressure			14 MPa
	Pump type			Gear pump
	Discharge (at revolution of 2000 rpm)			355 (1795 rpm) L/min
	Bore of working cylinder × no. (double-acting type)			140 mm × 2
	BLADE			
	Blade type	Straight-tilt	Angle	Semi-U blade
	Dozing capacity	10 m3	6 m3	11.9 m3
	Efficiency(Theoretical value 40m)	580 m3/h	350 m3/h	690 m3/h
	Blade width	4130 mm	5000 mm	4130 mm
	Blade height	1590 mm	1140 mm	1710 mm
	Maximum drop below ground	560 mm	630 mm	560 mm
	Maximum tilt adjustment	1000 mm	500 mm	1000 mm
	Weight of blade	4520 kg	4932 kg	4924 kg
	RIPPER (OPTIONAL)			
	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 of single ripper			3252 kg