

Bulldozer Series

320 HP / SD32W

High-efficiency for mining and more



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ENGINE	
Make	Cummins
Model	NTA855-C360S10
Rated Power	235 kW @ 2000 rpm
Maximum Torque	1440 Nm @ 1400 rpm
Displacement	14.010 L
Cylinder	6 - 139.7 x 152.4 mm (bore x stroke)
Water cooled	Yes
Direct injection	Yes
Radiator	Enlarged tropical radiator

POWER TRANSMISSION	
Make	SHANTUI
Torque converter	YJ409, 3-element, single-stage, single phase, ratio 2.3 - 2.54
Transmission	Planetary gear type, multi-disc clutch, hydraulically connected, forced lubrication
Main drive	Spiral bevel gear, splash lubrication, single-stage speed reduction, ratio 2.33
Steering clutch	Wet, multi-disc, spring loaded, hydraulically separated, hydraulic control
Steering brake	Wet, floating, direct on-off hydraulic inter-linking operation
Final drive	2-stage speed reduction of spur gear, splash lubrication, ratio 17.19
Number of drive wheel teeth	25

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

UNDERCARRIAGE SYSTEM	
Make	SHANTUI
Type	Swing type of sprayed beam, suspended structure of equalizer bar
Carrier rollers	2 each side
Track rollers	7 each side
Track type	Assembled, single-grouser track
Track shoe width	560 mm
Grouser height	80 mm
No. of track shoes	41 each side
Pitch	228.6 mm
Ground pressure	0.084 Mpa

HYDRAULIC CONTROL SYSTEM	
Rated pressure	14 MPa
Pump type	Gear Pump
Flow rate	355 L/min
Blade lift cylinder	Φ140 mm × 2
Blade tilt cylinder	Φ225 mm × 1
Ripper cylinder	Φ225 mm × 4

RIPPER		
Ripper type	Single shank ripper	Three shank ripper
Maximum digging depth	1250 mm	882 mm
Maximum lift above ground	955 mm	883 mm
Weight	4200 kg	4800 kg

CAB	
ROPS & FOPS	YES
A/C	YES
Adjustable air suspension seat	YES
Seat belt	YES
Strobe light	YES
Fire extinguisher	YES, SABS Standard
Engine oil pressure meter	YES
Hydraulic oil temperature meter	YES
Coolant temperature meter	YES
Hour meter	YES
Voltage meter	YES

DIMENSIONS AND WEIGHT	
Overall length	8650 mm
Overall width	4130 mm
Overall height	3725 mm
Ripper overall width	2420 mm
Machine width (Blade off)	2780 mm
Machine length (Blade off)	7360 mm
Min. ground clearance	500 mm
Min. turning radius	3.8 m
Gradeability	30°
Track Gauge	2140 mm
Operating weight	38 ton

ELECTRICAL EQUIPMENT	
Batteries	2 x 12 V-165 Ah
Starter Motor	7.5 kW
Alternator	35 A

SERVICE	
Fuel tank	640 L
Engine coolant	121 L
Engine oil	47 L
Hydraulic tank	164 L
Transmission and steering case	185 L
Final drive case	110 L each side

BLADE			
Type	Straight Tilt	Angle	U-Blade
Dozing capacity	10 m ³	6 m ³	11.9 m ³
Blade width	4130 mm	5000 mm	4030 mm
Blade height	1590 mm	1140 mm	1725 mm
Maximum drop below ground	560 mm	630 mm	560 mm
Maximum tilt adjustment	1000 mm	N/A	1000 mm
Maximum blade angle	N/A	25°	N/A

The specifications are subject to change without notice. The pictures may include options. The actual colour & appearance of the product may differ from what is shown.

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