

**Bulldozer Series**

# 520 HP / SD52-5

Our Mega-dozer!



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## Bulldozer Series

# 520 HP / SD52-5

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ENGINE			
Make	Cummins		
Model	QSK19		
Rated Power	392 kW @ 1800 rpm		
Maximum Torque	3019 Nm @ 1300 rpm		
Displacement	19 L		
Cylinder	6 - 159 x 159 mm (bore x stroke)		
Water cooled	Yes		
Direct injection	Yes		
Radiator	Enlarged tropical radiator		
POWER TRANSMISSION			
Make	SHANTUI		
Torque converter	3-element, single-stage, single phase, torque converter with lockup clutch		
Transmission	Planetary gear type, multiple-disc clutch, hydraulically-actuated and force lubricated		
Main drive	Spiral bevel gear, single-stage speed reduction, splash lubrication		
Steering clutch	Level controlled steering clutches. Wet, multiple-disc, spring loaded, hydraulically released. Steering clutches and brakes are interconnected.		
Steering brake	Pedal/level controlled steering brake. Wet, multiple disc, spring loaded, hydraulically released and normally engaged. Steering clutches and brakes are interconnected.		
Final drive	Spur and planetary gear sets double reduction, splash lubrication.		
Number of drive wheel teeth	25		
TRAVEL SPEED			
Gear	1st	2nd	3rd
Forward	0 - 3.8 km/h	0 - 6.8 km/h	0 - 11.8 km/h
Reverse	0 - 5.1 km/h	0 - 9.2 km/h	0 - 15.8 km/h
UNDERCARRIAGE SYSTEM			
Make	SHANTUI		
Type	Sprayed beam, suspended structure of equalizer		
Carrier rollers	2 each side		
Track rollers	7 each side		
Track type	Master link, single grouser, sealed and lubricated		
Track shoe width	610 mm		
Grouser height	93 mm		
No. of track shoes	40 each side		
Pitch	280 mm		
Ground pressure	0.1469 Mpa		
HYDRAULIC CONTROL SYSTEM			
Rated pressure	20.6 MPa		
Pump type	Gear Pump		
Flow rate	243 L/min		
Blade lift cylinder	Φ150 mm × 2		
Blade tilt cylinder	Φ225 mm × 1		
Ripper cylinder	Φ225 mm × 2, Φ200 mm × 2		

RIPPER	
Ripper type	Single shank ripper
Maximum digging depth	1435 mm
Maximum lift above ground	1105 mm
Weight	3946 kg without cylinders
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	10387 mm
Overall width	4690 mm
Overall height	4162 mm
Ripper overall width	3630 mm
Machine width (Blade off)	8576 mm
Machine length (Blade off)	610 mm
Min. ground clearance	6.786 m
Min. turning radius	30°
Gradeability	2500 mm
Track Gauge	67,5 ton
ELECTRICAL EQUIPMENT	
Batteries	2 x 12 V-165 Ah
Starter Motor	8 kW
Alternator	100 A
SERVICE	
Fuel tank	1090 L
Engine coolant	120 L
Engine oil	60 L
Hydraulic tank	300 L
Transmission and steering case	275 L
Final drive case	61 L each side
BLADE	
Type	Semi-U Blade
Dozing capacity	18.5 m <sup>3</sup>
Blade width	4680 mm
Blade height	2260 mm
Maximum drop below ground	715 mm
Maximum tilt adjustment	730 mm
Maximum blade angle	1860 mm

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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