

220 HP

## SD22S

King of the Wetlands

- ▶ Engine model: Cummins NT855-C280S10
- ▶ Net power: 162 kW/220HP/1800 rpm
- ▶ Operating weight: 25.7 t

### Product features

The SD22S swamp bulldozer is specially designed for work in wetlands. The SD22S features advanced performance, high reliability, low fuel consumption and convenient maintenance, as well as being equipped with a 910 mm swamp-type extended track, which reduces ground pressure and improves maneuverability in wet areas. The SD22S easily adapts to earth moving operations in swamps and other wet or muddy environments.



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# SHANTUI

VALUE THAT WORKS

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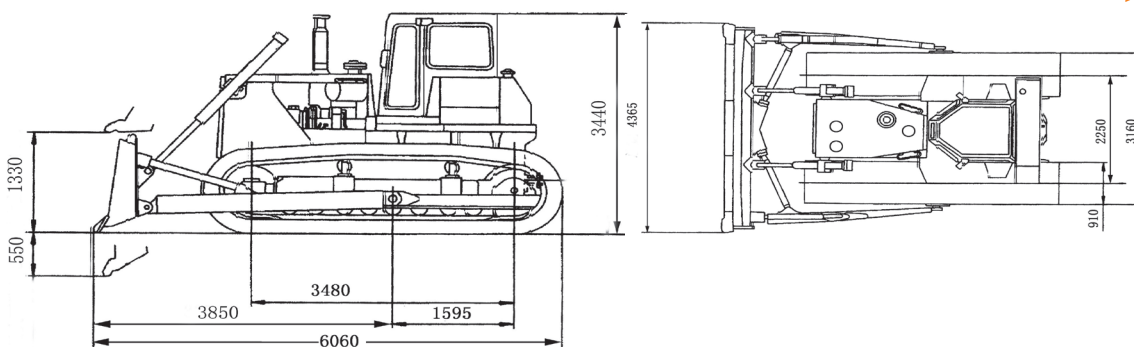
Technical specifications:

Blade Type	Straight-tilt
Min. ground clearance:	405 mm
Ground pressure:	0.041 MPa
Minimum turning radius:	3.3 m
Gradeability:	30°
Track gauge:	2250 mm

SD22S

	ENGINE	Model & type	Cummins NT855-C280S10; In-line, water-cooled 4-cycle, overhead valve direct injection, turbocharged diesel		
		Horsepower	Gross power: 175/235/1800 kW/HP/rpm // Net power: 162/220/1800 kW/HP/rpm		
		Number of cylinders	6-139.7 x 152.4 mm (bore x stroke)		
		Piston displacement	14.01 L		
		Min. fuel consumption	205 g/kW-h		
		Maximum torque	1030 N-m@1250rpm		
	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	0~6.5 km/h	0~11.2 km/h
		Reverse	0~4.3 km/h	0~7.7 km/h	0~13.2 km/h
	UNDERCARRIAGE SYSTEM	Type	Swing type of sprayed beam, suspended structure of equalizer bar		
		Carrier rollers	2 each side		
		Track rollers	8 each side		
		Track type	Assembled, single-grouser		
		Width of track shoes	910 mm		
		Pitch	216 mm		
	HYDRAULIC SYSTEM	Maximum pressure	14 MPa		
		Pump type	Gear pump		
		Discharge	262 L/min		
		Bore of working cylinder × no.	120 mm × 2		
	BLADE	Blade type	Straight-tilt blade		
		Dozing capacity	6.8 m³		
		Efficiency (Theoretical value 40 m)	330 m³/h		
		Blade width	4365 mm		
		Blade height	1248 mm		
		Maximum drop below ground	550 mm		
		Lifting height of blade	1330 mm		
		Weight of blade	3630 kg		

## OVERALL DIMENSIONS Straight-tilt blade



▶ THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR & APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.