

220 HP

## SD22D

King of the Desert

- ▶ Engine model: Cummins NT855-C280S10/Weichai WD12G240E26
- ▶ Net power: 162 kW/220HP/1800 rpm
- ▶ Operating weight: 28.2 Tons including Single Ripper

### Product features

The SD22D desert bulldozer was developed by Shantui for desert operation. The SD22D features advanced performance, high reliability, low fuel consumption and convenient maintenance. It is equipped with an extended track, reducing ground pressure and giving it excellent maneuverability in the desert. It also has a large capacity radiator and engine intake pre-filter, allowing the SD22D to adapt to high winds and blowing sand, as well as high temperatures, making it suitable for earth moving operations in the desert.



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# SHANTUI

VALUE THAT WORKS

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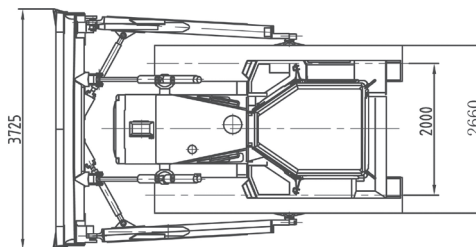
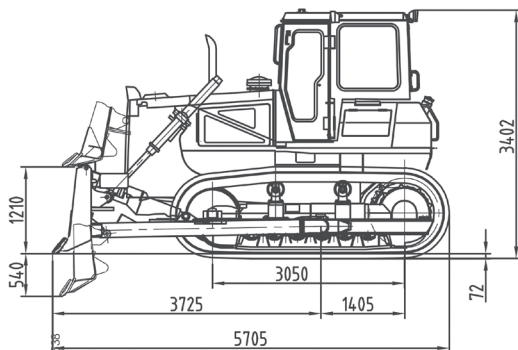
Technical specifications:

Blade Type	Heavy Duty Semi-U
Min. ground clearance:	513 mm
Ground pressure:	0.070 MPa
Minimum turning radius:	3.3 m
Gradeability:	30°
Track gauge:	2000 mm

SD22D

	ENGINE	Model & type		Cummins NT855-C280S10 / Weichai WD12G240E26 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
		Type	Swing type of sprayed beam, suspended structure of equalizer bar		
	UNDERCARRIAGE SYSTEM	Carrier rollers		2 each side	
		Track rollers		7 each side	
		Track type		Assembled, single-grouser	
		Width of track shoes		660 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		Heavy Duty Semi-U	
		Dozing capacity		6.4 m³	
		Efficiency (Theoretical value 40 m)		330 m³/h	
		Blade width		3725 mm	
		Blade height		1315 mm	
		Maximum drop below ground		550 mm	
		Lifting height of blade		1420 mm	
		Weight of blade		2830 kg	

OVERALL DIMENSIONS Heavy Duty Semi-U 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.