

220 HP

SD22

More power, greater efficiency

- ▶ Engine model: Cummins NT855-C280S10
- ▶ Rated power: 162 kW/1800 rpm
- ▶ Operating weight: 23.4 t

Product features

The SD22 is a large horsepower, advanced technology bulldozer with a Cummins 855C engine delivering high torque yet low fuel consumption. An exhaust turbocharger ensures uninterrupted performance at altitudes up to 3200m. Hydraulic drive and control technology deliver reliable performance and easy control.



SHANTUI

VALUE THAT WORKS

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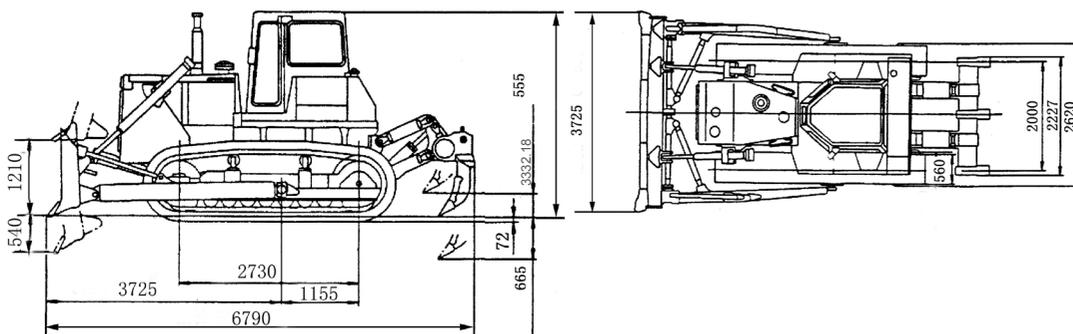
Technical specifications:

Blade Type	Straight-tilt	Angle	Semi-U Blade
Min. ground clearance:	405 mm	405 mm	405 mm
Ground pressure:	0.077 MPa	0.077 MPa	0.078 MPa
Min. turning radius:	3.3 m	3.3 m	3.3 m
Gradeability:	30°	30°	30°
Track gauge:	2000 mm	2000 mm	2000 mm

SD22

	ENGINE	Model & type	Cummins NT855-C280S10; In-line, water cooled 4-cycle, overhead valve direct injection, turbocharged diesel		
		Rated power	162 kW		
		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, hydraulically connected, 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, direct on-off hydraulic inter-linking operation		
		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	6 each side		
		Track type	Assembled, single-grouser		
		Width of track shoes	560 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	Angle	Semi-U-blade
		Dozing capacity	6.4 m³	4.7 m³	7.5 m³
		Efficiency (Theoretical value 40 m)	330 m³/h	245 m³/h	365 m³/h
		Blade width	3725 mm	4365 mm	3725 mm
		Blade height	1315 mm	1055 mm	1374 mm
		Maximum drop below ground	538 mm	535 mm	540 mm
		Maximum tilt adjustment	>735 mm	>500 mm	>755 mm
		Weight of blade	2830 kg	3254 kg	3419 kg
	RIPPER (OPTIONAL)	Maximum digging depth of 3-shank ripper	666 mm		
		Maximum lift above ground	555 mm		
		Weight of 3-shank ripper	2495 kg		
		Maximum digging depth of single ripper	695 mm		
		Maximum lift above ground	515 mm		
		Weight of single ripper	2453 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.