

# Bulldozer

# SD22E

More power, greater efficiency

Engine model : Cummins NT855-C280S10  
Rated power : 220 HP / 162 kW / 1800 rpm  
Operating weight : 23.4 tons

## Product features

The SD22E 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.



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VALUE THAT WORKS

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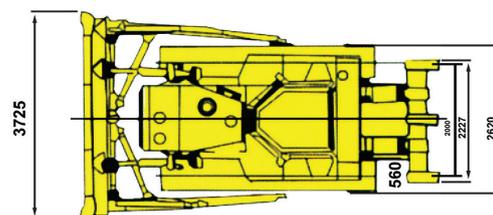
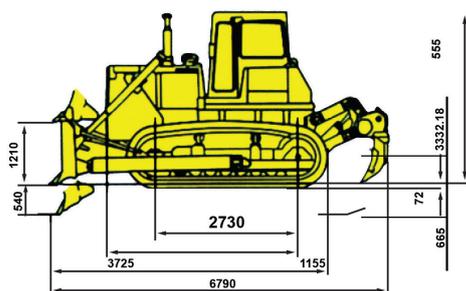
# Technical Specification

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

ENGINE	Model & type	Cummins NT855-C280510		
	Rated power	162kW / 220HP / 1800rpm		
	number of cylinders	6-139.7 x 152.4 mm (bore x stroke)		
	Piston displacement	14.0 L		
	Min. fuel consumption	205 g/kW.h		
	Maximum torque	1030 N.m @1250rpm		
POWER TRANSMITTING 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	7 (each side)		
	Tracklinks	41 (each side)		
	Width of track shoes (mm)	560 mm		
	Pitch	216 mm		
HYDRAULIC SYSTEM	Maximum pressure	14 MPa		
	Pump type	Gear pump		
	Discharge	262 L/min		
	Bore of working cylinder	120 (mm) x no.		
BLADE	Blade type	Straight-tilt	Angle	Semi U-blade
	Dozing capacity	6.4 m <sup>3</sup>	4.7 m <sup>3</sup>	7.5 m <sup>3</sup>
	Efficiency (Theoretical value 40 m)	330 m <sup>3</sup> /h	245 m <sup>3</sup> /h	365 m <sup>3</sup> /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		

# SD22E

## Dimension



## Networking

Semarang | Surabaya | Denpasar | Medan | Pekanbaru | Palembang | Batam | Balikpapan | Banjarmasin | Makassar | Kendari | Manado