

SHANTUI

VALUE THAT WORKS

SD22W

Crawler Dozer



. Engine Model
. Gross Power
. Operating Weight

Cummins NT855-C280S10
175kW(235hp)@1800rpm
26,050kg



SD22W SPECIFICATIONS

ENGINE

Engine	Cummins NT855-C280S10
Emission	Euro II
Rated revolution	1800 rpm
Gross power	175 kW (235hp) @ 1800 rpm
Net power	162 kW (220hp) @ 1800 rpm
Number of cylinders-borexstroke	6 - 140x152 mm
Displacement	14.01 L
Max. torque	1080 N.m @ 1300 rpm
Cooling system	Mechanic fan

DRIVE SYSTEM

Drive system	Manufactured by SHANTUI, with high working efficiency, low breakdown rate; torqflow transmission, 3 gears forward and 3 gears backward	
Traveling speed	Forward	F1:3.6km/h R2:6.5km/h F3:11.2km/h
	Backward	R1:4.3km/h R2:7.7km/h R3:13.2km/h
Max. theoretical traction force	450 kN	
Torque converter	3-element, single stage, 1-phase	
Transmission	Planetary gear and torqflow transmission hydraulically actuated, forced lubrication	
Central drive	Spiral bevel gear, single-stage speed reduction, splash lubrication	
Steering clutch	Wet multiple disc, disc spring loaded, hydraulically actuated, hand operated, interconnected with steering brake.	
Brake clutch	Wet, contracting band, foot operated with hydraulic booster	
Final drive	Spur gear, double reduction ,splash lubrication	

CHASSIS SYSTEM

Type	Swing type of sprayed beam, suspended structure of equalizer bar	
Track shoe type	Single grouser	
Track gauge	2000 mm	
Width of track shoe	560 mm (Standard)	
Track grounding length	2430 mm	
Track grounding area	28727 cm ²	
Number of track shoe	38 pcs/side	
Grounding pressure (standard configuration)	66 kPa	
Number of carrier roller	2 pcs/side	
Number of track roller	6 pcs/side	
Pitch	206 mm	

REFILL CAPACITY

Fuel capacity	450 L
Coolant liquid capacity	79 L
Engine oil capacity	45 L
Transmission	122 L
Drive axle	110 L
Final drive	82 L/side

OPERATING WEIGHT

Operating weight with ripper	26050 kg
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BLADE

Blade type	Straight tilt
Blade capacity	4.6 m ³

DIMENSION

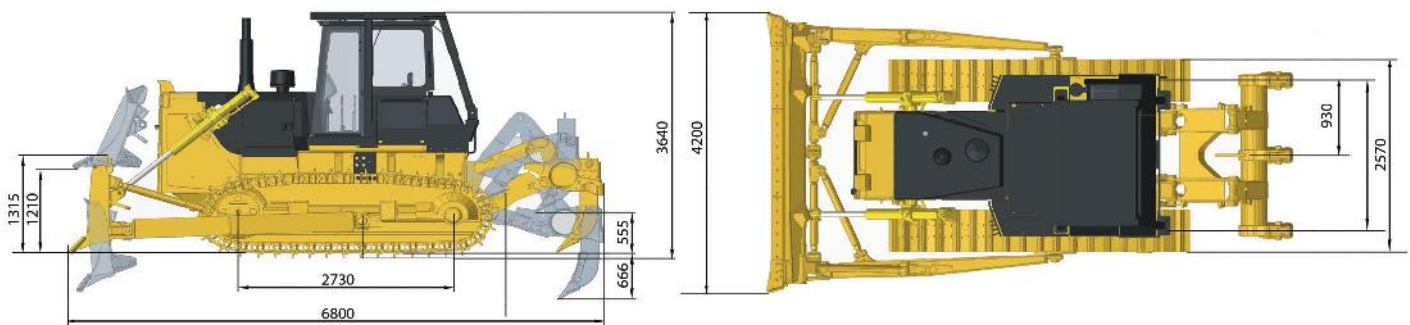
Machine height (with ROPS)	3640 mm
Track grouser height	72 mm
Ground clearance	405 mm
Machine length (without blade)	5810 mm
Machine length (with blade)	6800 mm
Machine width (with blade)	6800 mm
Machine width (without blade)	2900 mm
Max. lifting height of blade	1210 mm
Max. digging depth of blade	540 mm
Digging angle of blade	55°±3°
Blade width	4200 mm
Blade height	1350 mm
Width from end of left track shoe to end of right track shoe (standard)	2570 mm

RIPPER

Type	Three-shank ripper
Weight	2600 kg
Max. ripping depth	666 mm
Max. lifting height	555 mm
Ripper length(at deepest ripping)	1781 mm
Ripper width	2158 mm
Departure angle(at highest lifting)	25.5°
Ripping width	2000 mm
Distance between ripper teeth	930 mm

STANDARD EQUIP

FIRE EXTINGUISHER
AIR CON
ROPS & FOPS
REVERSE BUZZLE
STROBE LIGHT
REFLECTIVE TAPES
CAB FAN



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