

Engine Model
Cummins NT855-C280S10
 Gross Power
175kW(235hp)@1800rpm
 Operating Weight
23,450KG

SD22 BULLDOZER



ENGINE

Engine	Cummins NT855-C280S10
Emission	China-I
Rated revolution	1800rpm
Gross power	175kW(235hp)@1800rpm
Net power	162kW(220hp)@1800rpm
Number of cylinder bore x stroke	6-140X152mm
Displacement	14.01L
Max. torque	1080N.m@1300rpm
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 Backward	F1:3.6km/h R1:4.3km/h	R2:6.5km/h R2:7.7km/h
		F3:11.2km/h R3:13.2km/h	
Max. theoretical traction force		450kN	
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			Wetland type		
Track gauge	2000mm	2000mm	2000mm	2000mm	2250mm	2250mm
Width of track shoe	560/610 /660mm	660mm	610 / 660mm	560/610 /660mm	910mm	910mm
Track grounding length	2430mm	2430mm	2430mm	3050mm	3480mm	3480mm
Track grounding area	28727cm ²	40935cm ²	40935cm ²	38317cm ²	71476cm ²	71476cm ²
Number of track shoe	38 pcs/ side	38 pcs/ side	38 pcs/ side	41 pcs/ side	45 pcs/ side	45 pcs/ side
Grounding pressure (standard configuration)	66kPa	57.5kPa	64kPa	66kPa	36kPa	35.2kPa
Number of carrier roller	2 pcs/side					
Number of track roller	6pcs/side			7pcs/side	8pcs/side	
Pitch	206mm					

REFILL CAPACITY

Fuel capacity	450L	450L	450L	450L	450L	450L
Coolant liquid capacity	79L	79L	79L	79L	79L	79L
Engine oil capacity	45L	45L	45L	45L	45L	45L
Hydraulic oil tank	122L	122L	122L	122L	122L	122L
Transmission	110L	110L	110L	110L	110L	110L
Final drive	82L/side	82L/side	82L/side	102L/side	102L/side	102L/side

OPERATING WEIGHT

Standard	23450kg	24000kg	24700kg	24600kg	25700kg	26000kg
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BLADE

Blade type	Coal-U	Straight-tilt/Angle/Semi-U/U			Straight-tilt/	Waste handling
Blade capacity	8m ³	4.6/3.4/5.8/6.7m ³			5.2m ³	11.8m ³

SD22

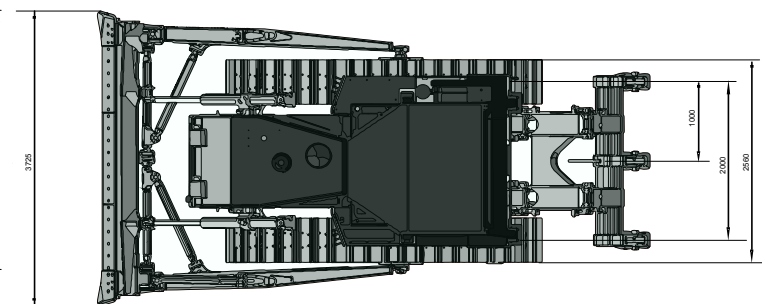
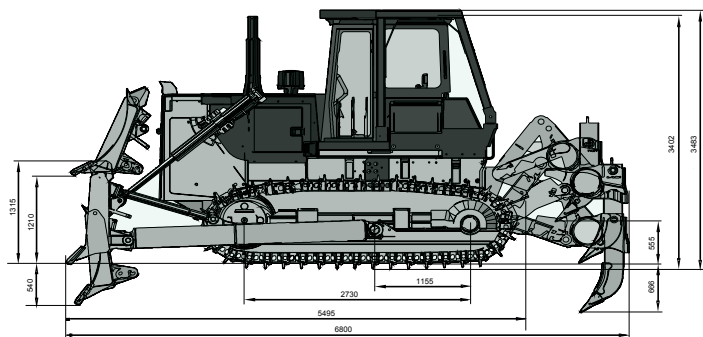
BULLDOZER

DIMENSION

Machine height (without ROPS)	3402mm	3402mm	3402mm	3402mm	3402mm	3402mm
Track grouser height	72mm	72mm	72mm	72mm	123mm (Wetland type)	
Ground clearance	405mm	405mm	405mm	405mm	513mm	513mm
Machine length (without draw bar)	6027mm	5462mm	5462mm	5712mm	6257mm	6257mm
Machine length (with draw bar)	6060mm	5495mm	5495mm	5495mm	6290mm	6290mm
Max. lifting height of blade	1210mm	1210mm	1210mm	1210mm	1330mm	1330mm
Max. digging depth of blade	540mm	540mm	540mm	540mm	550mm	550mm
Digging angle of blade	55°±3°(deg.)					
Blade width	4200mm	3725/4365/3800/3725mm			4365mm	
Blade height	1350mm	1315/1055/1343/1374mm			1248mm	
Width from end of left track shoe to end of right track shoe (standard)	3000mm	3000mm	3000mm	3000mm	3800mm	3800mm

RIPPER

Type	Three-shank ripper	Single shank ripper
Weight	2600kg	2450kg
Max. ripping depth	666mm	695mm
Max. lifting height	555mm	515mm
Ripper length (at deepest ripping)	1781mm	1974mm
Ripper width	2158mm	1426mm
Departure angle (at highest lifting)	25.5°	25.5°
Ripping width	2000mm	2000mm/106mm
Distance between ripper teeth	930mm	-



Engine Model
Cummins NTA855-C360S10
Gross Power
257kW(350hp)@2000rpm
Operating Weight
34,500KG

SD32 BULLDOZER



ENGINE

Engine	Cummins NTA855-C360S10
Emission	China-I
Rated revolution	2000rpm
Gross power	257kW(350hp)@2000rpm
Net power	235kW(320hp)@2000rpm
Number of cylinder bore x stroke	6-140X152mm
Displacement	14.01L
Max. torque	1509N.m@1400rpm
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 Backward	F1:3.6km/h R1:4.4km/h	F2:6.6km/h R2:7.8km/h	F3:11.5km/h R3:13.5km/h	
Max. theoretical traction force		318.2kN			
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	2140mm	2140mm	2140mm	2140mm	2140mm
Width of track shoe	560/610/660/710mm				560mm (heavy duty)
Track grounding length	3150mm	3150mm	3150mm	3150mm	3150mm
Track grounding area	3528/38430/41580/44730cm ²				71476cm ²
Number of track shoe	41 pcs/side				
Grounding pressure (standard configuration)	81.7kPa	82.3kPa	82.9kPa	85.6kPa	84.1kPa
Number of carrier roller	2 pcs/side				
Number of track roller	7pcs/side				
Pitch	228.6mm				

REFILL CAPACITY

Fuel capacity	640L	640L	640L	640L	640L
Coolant liquid capacity	79L	79L	79L	79L	79L
Engine oil capacity	45L	45L	45L	45L	45L
Hydraulic oil tank	97L	97L	97L	97L	97L
Transmission	185L	185L	185L	185L	185L
Final drive	55L/side	55L/side	55L/side	55L/side	55L/side

OPERATING WEIGHT

Standard	34500kg	34150kg	34150kg	35230kg	35000kg
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BLADE

Blade type	Straight-tilt /Angle/ Semi-U	Coal-U	Straight-tilt /Angle/ Semi-U	Waste handing blade	Straight-tilt /Angle/ Semi-U
Blade capacity	7.2/4.8/9m ³	12.1m ³	7.2/4.8/9m ³	18.3m ³	7.2/4.8/9m ³

