

SD22

BULLDOZER
SERIES

ENGINE MODEL	CUMMINS NT855-C280S10
GROSS POWER	175KW(235HP)@1800rpm
OPERATING WEIGHT	23450KG

SHANTUI
VALUE THAT WORKS

LET'S MAKE
CONSTRUCTION EASIER



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SD22 TECHNICAL PARAMETERS

BULLDOZER SERIES

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ENGINE	SD22/W	SD22C	SD22F	SD22D/E	SD22S	SD22R
Engine	Cummins NT855-C280S10					
Emission	China-I					
Rated revolution	1800rpm					
Gross power	175kW(235hp)@1800rpm					
Net power	162kW(220hp)@1800rpm					
Number of cylinder-bore×stroke	6-140X152mm					
Displacement	14.01L					
Max. torque	1080N.m@1300rpm					
Cooling system	Mechanic fan					

DRIVE SYSTEM			SD22/W	SD22C	SD22F	SD22D/E	SD22S	SD22R
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		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						

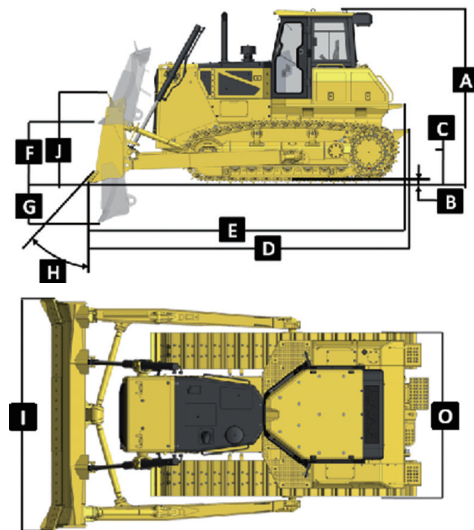
	CHASSIS SYSTEM	SD22/W	SD22C	SD22F	SD22D/E	SD22S	SD22R
	Type	Swing type of sprayed beam, suspended structure of equalizer bar					
	Track shoe type	Single grouser				Wetland type	
	Track gauge	2000mm				2250mm	
	Width of track shoe	560/610 /660mm	660mm	610/ 660mm	560/610 /660mm	910mm	
	Track grounding length	2430mm			3050mm	3480mm	
	Track grounding area	28727cm²	40935cm²		38317cm²	71476cm²	
	Number of track shoe	38pcs/side			41pcs/side	45pcs/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	

VOLUME	SD22/W	SD22C	SD22F	SD22D/E	SD22S	SD22R
Fuel capacity	450L					
Coolant liquid capacity	79L					
Engine oil capacity	45L					
Transmission	122L					
Drive axle	110L					
Final drive	82L/side			102L/side		

OPERATING WEIGHT	SD22/W	SD22C	SD22F	SD22D/E	SD22S	SD22R
Operating weight (standard)	23450kg	24000kg	24700kg	24600kg	25700kg	26000kg

BLADE	SD22C	SD22/W	SD22F	SD22D/E	SD22S	SD22R
Blade type	Coal-U	Straight-tilt/Angle/Semi-U/U			Straight-tilt	Waste handling
Blade capacity	8m³	4.6/3.4/5.8/6.7m³			5.2m³	11.8m³

	DIMENSION	SD22/W	SD22C	SD22F	SD22D/E	SD22S	SD22R
A	Machine height (without ROPS)	3402mm					
B	Track grouser height	72mm				123mm (Wetland type)	
C	Ground clearance	405mm				513mm	
D	Machine length (without draw bar)	6027mm	5462mm		5712mm	6257mm	
E	Machine length (with draw bar)	6060mm	5495mm		6290mm		
F	Max. lifting height of blade	1210mm				1330mm	
G	Max. digging depth of blade	540mm				550mm	
H	Digging angle of blade	55°±3°(deg.)					
I	Blade width	4200mm	3725/4365/3800/3725mm			4365mm	
J	Blade height	1350mm	1315/1055/1343/1374mm			1248mm	1885mm
O	Width from end of left track shoe to end of right track shoe (standard)	3000mm				3800mm	



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

