

SHANTUI AUSTRALIA

SD90-C5

Crawler Dozer



Engine Model: Cummins QST30
Gross Power: 708kW(950hp)@2100rpm
Operating Weight: 106,260kg

POWERED BY

EV CORE®

SD90-C5 SPECIFICATIONS

ENGINE

Engine	Cummins QST30
Emission	China-III
Rated revolution	2100rpm
Gross power	708kW(950hp)@2100rpm
Net power	671kW(900hp)@2100rpm
Number of cylinder-bore×stroke	12-140mm*165mm
Displacement	30.5L
Max. torque	4191N.m@1300rpm
Cooling system	Smart hydraulic control fan

DRIVE SYSTEM

Drive system	Torqflow transmission consists of a water-cooled, 3-element, 1-stage, 1-phase torque converter with lockup clutch and a planetary gear, multiple-disc clutch transmission which is hydraulically-actuated and force-lubricated for optimum heat dissipation. Gearshift lock lever and neutral safety switch help prevent accidental starts.	
Traveling speed	Forward	0-3.5/0-6.3/0-10.9km/h
	Backward	0-4.7/0-8.4/0-14.3km/h
Torque converter	3-element, 1-stage, 1-phase with lockup clutch	
Transmission	Planetary gear, multiple-disc clutch, hydraulically actuated and force-lubricated	
Steering clutch	Wet, multiple-disc steering clutches are spring-actuated loaded and hydraulically released.	
Brake clutch	Wet, multiple-disc brakes are spring-actuated and hydraulically released.	
Final drive	Primary spur gear + primary planetary reduction	

CHASSIS SYSTEM

Type	Oscillation with equalizer bar and forward mounted pivot shafts, unique K-type bogies
Track shoe type	Single grouser
Track gauge	2770mm
Width of track shoe	710mm
Track grounding length	4520mm
Track grounding area	64184cm ²
Number of track shoe	41pcs/single side
Grounding pressure (standard configuration)	143.7kPa
Number of carrier roller	2pcs/single side
Number of track roller	7pcs/side
Pitch	317.5mm

REFILL CAPACITY

Fuel capacity	1638L
Coolant liquid capacity	270L
Engine oil capacity	132L
Transmission	200L
Final drive	75L/single side

OPERATING WEIGHT

Standard	106260kg
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BLADE

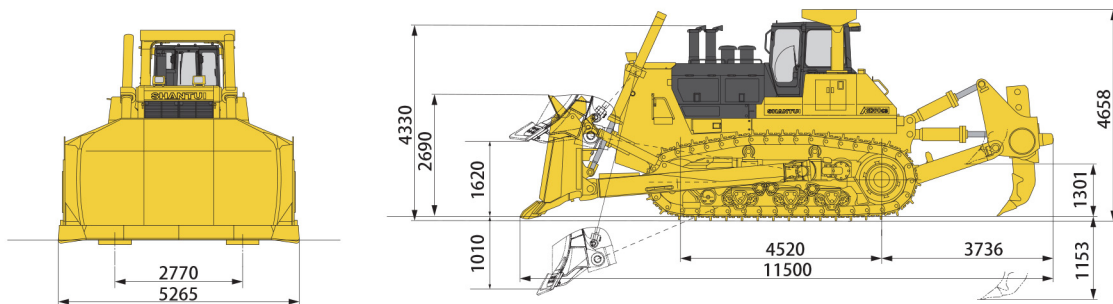
Blade type	Semi-U blade(heavy duty)
Blade capacity	39m ³

DIMENSION

Machine height (without ROPS)	4590mm
Track grouser height	102mm
Ground clearance	655mm
Machine length (without draw bar)	11500mm
Max. lifting height of blade	1620mm
Max. digging depth of blade	1010mm
Digging angle of blade	52°
Blade width	5265mm
Blade height	2690mm
Width from end of left track shoe to end of right track shoe (standard)	3480mm

RIPPER

Type	Single shank ripper
Weight	5843kg
Max. ripping depth	1672mm
Max. lifting height	1301mm
Ripper length (at deepest ripping)	3121mm
Ripper width	1770mm



* 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.

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