

SD16

BULLDOZER
SERIES

ENGINE MODEL	WEICHAI WD10G178E25
GROSS POWER	131KW(175HP)@1850rpm
OPERATING WEIGHT	17000KG

SHANTUI
VALUE THAT WORKS



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CONSTRUCTION EASIER



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SD16 TECHNICAL PARAMETERS

BULLDOZER SERIES

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ENGINE	SD16	SD16C	SD16E	SD16F	SD16L	SD16R
Engine	WEICHAI WD10G178E25		SHANGCHAI SC11CB184G2B1			
Emission	China-II		China-II			
Rated revolution	1850rpm		1850rpm			
Gross power	131kW(175hp)@1850rpm		131kW(175hp)@1850rpm			
Net power	121kW(160hp)@1850rpm		121kW(160hp)@1850rpm			
Number of cylinder-bore×stroke	6-126X130mm		6-121X152mm			
Displacement	9.726L		10.5L			
Max. torque	830N.m@1100-1200rpm		843N.m@1300rpm			
Cooling system	Mechanic fan		Mechanic fan			

DRIVE SYSTEM			SD16	SD16C	SD16E	SD16F	SD16L	SD16R
Drive system			Manufactured by SHANTUI, with high working efficiency, low breakdown rate; torqflow transmission, 3 gears forward and 3 gears backward.					
Traveling speed	Forward	0~3.29km/h, 0~5.82km/h, 0~9.63km/h						
	Backward	0~4.28km/h, 0~7.59km/h, 0~12.53km/h						
Torque converter			3-element, single stage, 1-phase					
Transmission			Planetary gear and torqflow transmission hydraulically actuated, forced lubrication					
Bevel gear shaft			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			Wet, contracting band, foot operated with hydraulic booster					
Final drive			Spur gear, double reduction ,splash lubrication					

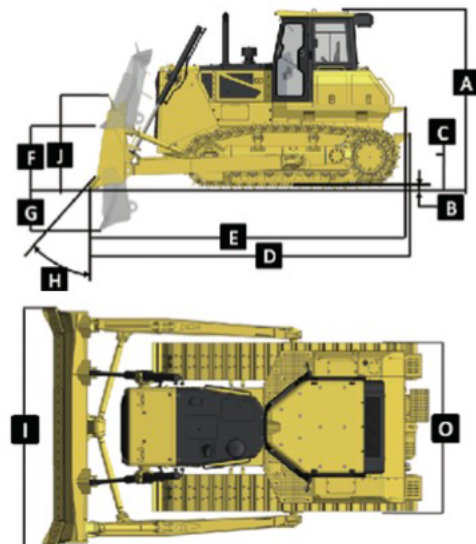
	CHASSIS SYSTEM	SD16	SD16C	SD16E	SD16F	SD16L	SD16R
	Type	Swing type of sprayed beam, suspended structure of equalizer bar					
	Track shoe type	Single grouser				Wetland type	
	Track gauge	1880mm				2300mm	
	Width of track shoe	510/560 /610mm	610mm	560mm	560mm	1100/ 950mm	1100/ 660mm
	Track grounding length	2430mm		2365mm		2935mm	
	Track grounding area	24786cm²	29646cm²	29512cm²	29512cm²	64570cm²	
	Number of track shoe	37pcs/side		39pcs/side		42pcs/side	
	Grounding pressure (standard configuration)	58kPa	59.2kPa	55kPa	55kPa	25kPa	25kPa
	Number of carrier roller	2 pcs/side					
	Number of track roller	6pcs/side			7pcs/side		
	Pitch	203mm					

VOLUME	SD16	SD16C	SD16E	SD16F	SD16L	SD16R
Fuel capacity	315L					
Coolant liquid capacity	62.8L					
Engine oil capacity	24L					
Hydraulic oil tank	112L					
Transmission	52L					
Drive axle	70L					
Final drive	21L/side			25L/side		

OPERATING WEIGHT	SD16	SD16C	SD16E	SD16F	SD16L	SD16R
Operating weight (standard)	17000kg	17370kg	17346kg	17500kg	18460kg	18460kg

BLADE	SD16	SD16C	SD16E	SD16F	SD16L	SD16R
Blade type	Straight-tilt/U	Coal-U	Straight-tilt/Angle	Straight-tilt	Straight-tilt	Waste handling blade
Blade capacity	3.5/4.8m ³	6m ³	3.5m ³	3.5/3.2m ³	3m ³	8.3m ³

	DIMENSION	SD16	SD16C	SD16E	SD16F	SD16L	SD16R
A	Machine height (without ROPS)	3032mm				3074mm	
B	Track grouser height	65mm				101.5mm	
C	Ground clearance	400mm					
D	Machine length (with draw bar)	5140mm	5427mm	5345mm	5350mm	5262mm	
F	Max. lifting height of blade	1095mm				1005mm	
G	Max. digging depth of blade	540mm				485mm	
H	Digging angle of blade	55°±3°(deg.)					
I	Blade width	3455/ 3556mm (Straight-tilt)	3900mm	3455mm	3455/ 4011mm (Straight-tilt/angle)	4150mm	
J	Blade height	1149/ 1120mm (Straight-tilt)	1235mm	1149mm	1149/ 1040mm (Straight-tilt/angle)	960mm	1590mm
O	Width from end of left track shoe to end of right track shoe (standard)	2390mm	2490mm	2440mm	2440mm	3400mm	



PARAMETER OF RIPPER	
Type	Three-shank ripper
Weight	1631kg
Q Max. ripping depth	572mm
R Max. lifting height	592mm
S Ripper length (at deepest ripping)	1580mm
T Ripper width	2080mm
U Departure angle (at highest lifting)	32.1°
V Ripping width	1900mm
W Distance between ripper teeth	950mm

