

SHANTUI

SD16F

Forestry Logging dozer



Engine Model: Weichai WD10G178E25
Gross Power: 131kW(175hp)@1850rpm
Operating Weight: 17,500kg

Shantui Torqflow Travel Drive
powershift transmission

SD16F SPECIFICATIONS

ENGINE

Engine	WEICHAI WD10G178E25	SHANGCHAI SC11CB184G2B1
Emission	CHINA II	CHINA II
Rated revolution	1850rpm	1850rpm
Gross power	131kW(175hp)@1850rpm	131kW(175hp)@1850rpm
Net power	120kW(160hp)@1850rpm	120kW(160hp)@1850rpm
No. of cylinder-bore×stroke	6-126mm*130mm	6-121mm*152mm
Displacement	9.726L	10.5L
Max. torque	830N.m@1100-1200rpm	843N.m@1300rpm
Cooling system	Mechanic fan	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	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

Type	Swing type of sprayed beam, suspended structure of equalizer bar
Track shoe type	Single grouser
Track gauge	1880mm
Width of track shoe	560mm
Track grounding length	2635mm
Track grounding area	29512cm ²
Number of track shoe	39 pcs/side
Grounding pressure	55kPa (standard configuration)
Number of carrier roller	2 pcs/side
Number of track roller	7 pcs/side
Pitch	203mm

REFILL CAPACITY

Fuel capacity	315L
Coolant liquid capacity	62.8L
Engine oil capacity	24L
Hydraulic oil tank	112L
Transmission	52L
Drive axle	70L
Final drive	25L/single side

OPERATING WEIGHT

Operating weight	17500kg
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BLADE

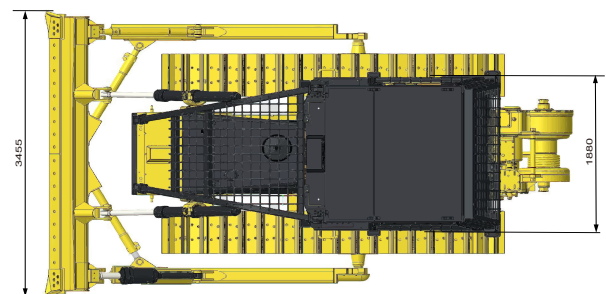
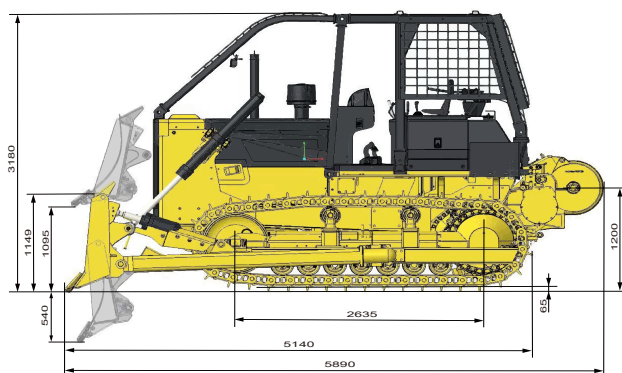
Blade type	Straight-tilt/Angle
Blade capacity	3.5m ³ /3.2m ³

DIMENSION

Machine height (with ROPS)	3180mm
Track grouser height	65mm
Ground clearance	400mm
Machine length (with winch)	5890mm
Machine length (without winch)	5140mm
Max. lifting height of blade	1095mm
Max. digging depth of blade	540mm
Digging angle of blade	55°±3°(deg.)
Blade width	3455mm(Straight-tilt)/ 4011mm(Angle blade)
Blade height	1149mm(Straight-tilt)/ 1040mm(Angle blade)
Width from end of left track shoe to end of right track shoe	1880mm

WINCH

TYPE	Hydraulic winch
Weight	1500kg
Tractive force	≥157 KN
Braking force	≥140 KN



* 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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