

160 HP

SD16T

Earthmoving might

- ▶ Engine model: Shangchai SC11CB184G2B1/Weichai WD10G178E25
- ▶ Net power: 120 kW/160HP/1850 rpm
- ▶ Operating weight: 17.0 t

Product features

The SD16T mechanical bulldozer was developed to meet the requirements of general earth moving projects. It is equipped with a mechanical drive system and an advanced structure, providing reliable performance and convenient and flexible operation, making the SD16T the ideal construction machine for earth moving projects.



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SHANTUI

VALUE THAT WORKS

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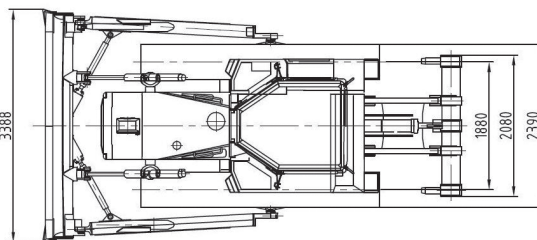
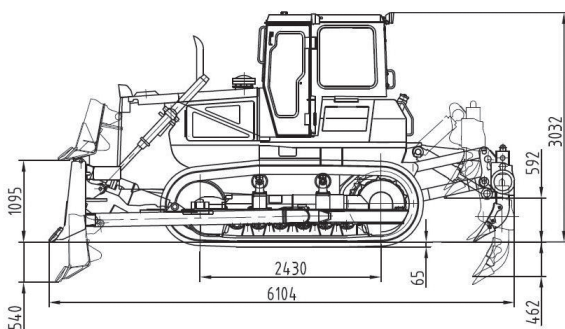
Technical specifications:

Blade Type	Straight-tilt	Angle	U-Blade
Min. ground clearance:	400 mm	400 mm	400 mm
Ground pressure:	0.067 MPa	0.067 MPa	0.067 MPa
Minimum turning radius:	4.466 m	4.513 m	4.545 m
Gradeability:	30°	30°	30°
Track gauge:	1880 mm	1880 mm	1880 mm

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	ENGINE	Model & type	Shanghai SC11CB184G2B1/Weichai WD10G178E25; 4-cycle, in-line, water-cooled, direct injection				
		Horsepower	Gross power: 131/175/1850 kW/HP/rpm // Net power: 120/160/1850 kW/HP/rpm				
		Number of cylinders	6-126 x 130 mm (bore x stroke)				
		Piston displacement	9.726 L				
		Min. fuel consumption	214 g/kW-h				
		Maximum torque	765 N-m@1300 rpm				
	POWER TRANSMISSION SYSTEM	Main clutch type	Wet, multi-disc, inertia brake, hand operate, hydraulic booster				
		Transmission	Forced lubrication, hand-operated				
		Main drive	Spiral bevel gear, single-stage speed reduction, splash lubrication				
		Steering clutch	Wet, multi-disc, spring loaded, hand hydraulically separated, inter-linking with steering brake				
		Steering brake	Wet, floating band structure, foot brake with hydraulic booster				
		Final drive	Tow-stage reduction of spur gear splash lubrication				
	TRAVEL SPEED	Gear	1st	2nd	3rd	4th	5th
		Forward	0~2.67 km/h	0~3.76 km/h	0~5.41 km/h	0~7.62 km/h	0~11.13 km/h
		Reverse	0~3.48 km/h	0~4.90 km/h	0~7.05 km/h	0~9.92 km/h	-
	UNDERCARRIAGE SYSTEM	Type	Sprayed beam, suspended structure of equalizer				
		Carrier rollers	2 each side				
		Track rollers	6 each side				
		Track type	Standard				
		Width of track shoes	510 mm				
		Pitch	203.2 mm				
	HYDRAULIC SYSTEM	Maximum pressure	14 MPa				
		Pump type	Gear pump				
		Discharge	243 L/min				
		Bore of working cylinder × no.	110 mm × 2				
	BLADE	Blade type	Straight-tilt	Angle	U-blade		
		Dozing capacity	4.5 m³	4.3 m³	5.0 m³		
		Efficiency (Theoretical value 40 m)	225 m³/h	225 m³/h	250 m³/h		
		Blade width	3388 mm	3970 mm	3556 mm		
		Blade height	1149 mm	1040 mm	1120 mm		
		Maximum drop below ground	540 mm	530 mm	540 mm		
		Lifting height of blade	1095 mm	1110 mm	1095 mm		

OVERALL DIMENSIONS Straight-tilt blade



▶ 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.