Bulldozer Series

160 HP

SD16

The all-purpose customer choice.

- Engine model: Shangchai SC11CB184G2B1/Weichai WD10G178E25
- Rated power: 120 kW/1850 rpm
- Operating weight: 17 t

Product features

Shantui's best-seller worldwide, this is a medium-duty workhorse that comes off the factory line in various configurations for specific work environments, e.g., desert, swamp, forest, high altitude, etc. It has a Tier IIIb Cummins engine for European markets and optional engines (Weichai and Shangchai) for other markets. The SD16 provides high performance with strong reliability, with Shantui's trademark value.





SHANTUI
VALUE THAT WORKS

160 HP

SD 16

Technical specifications:

Blade Type	Straight-tilt	Angle	U-Blade
Min. ground clearance:	400 mm	400 mm	400 mm
Ground pressure:	0.072 MPa	0.074 MPa	0.074 MPa
Min. turning radius:	4.466 m	4.513 m	4.545 m
Gradeability:	30°	30°	30°
Track gauge:	1880 mm	1880 mm	1880 mm

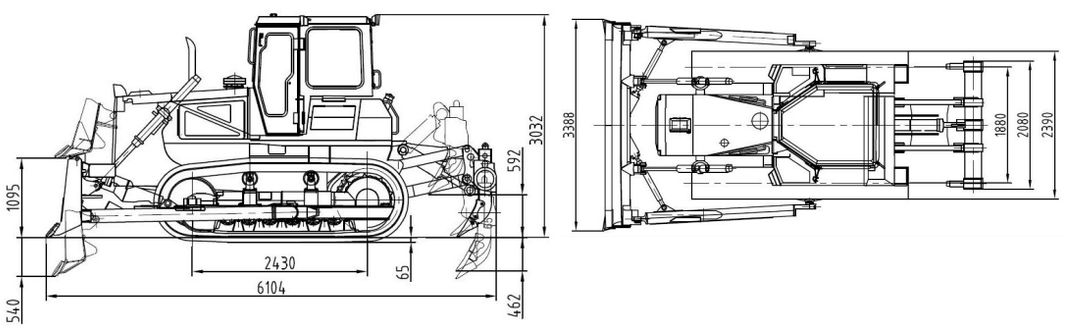
ENGINE	Model & type	Shangchai SC11CB184G2B1/Weichai WD10G178E25; water-cooled, in-line, 4-stroke injection direct	
	Rated power	120 kW	
	Number of cylinders	6–126 x 130 mm (bore x stroke)	
	Piston displacement	9.726 L	
	Min. fuel consumption	214 g/kW·h	
	Maximum torque	765 N·m@1300 rpm	
POWER TRANSMISSION SYSTEM	Torque converter	3-element, 1 stage, 1 phase	
	Transmission	Planetary gear type, power-shift, forced lubrication	
	Main drive	Spiral bevel gear, single-stage speed reduction, splash lubrication	
	Steering clutch	Lubricated, multi-disc, spring loaded, hand hydraulically separated, inter-linking with steering brake	
	Steering brake	Lubricated, floating band structure, foot brake with hydraulic booster	
	Final drive	2-stage speed reduction of spur gear, splash lubrication	
TRAVEL SPEED	Gear	1st	2nd	3rd
	Forward	0~3.29 km/h	0~5.82 km/h	0~9.63 km/h
	Reverse	0~4.28 km/h	0~7.59 km/h	0~12.53 km/h
UNDERCARRIAGE SYSTEM	Type	Sprayed beam, suspended structure of equalizer	
	Carrier rollers	2 each side	
	Track rollers	6 each side	
	Track type	Assembled, single-grouser	
	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 m^3	4.3 m^3	5.0 m^3
	Efficiency (Theoretical value 40 m)	225 m^3/h	225 m^3/h	250 m^3/h
	Blade width	3388 mm	3970 mm	3556 mm
	Blade height	1149 mm	1040 mm	1120 mm
	Maximum drop below ground	540 mm	540 mm	530 mm
	Maximum tilt adjustment	400 mm	–	400 mm

RIPPER (OPTIONAL)	Maximum digging depth of 3-shank ripper	572 mm
	Maximum lift above ground	592 mm
	Weight of 3-shank ripper	1667 kg

SD16

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.