

160 HP

SD16

The all-purpose customer choice.

- Engine model: 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
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EVERSTAR
Industries

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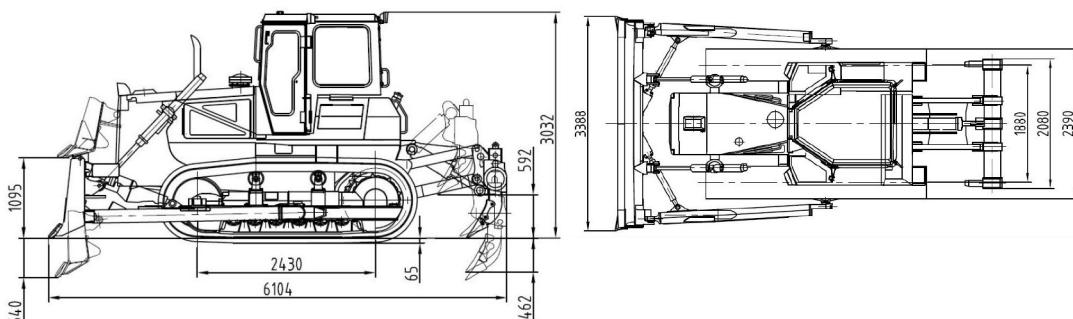
SD 16

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	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 x no.	110 mm x 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 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

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.