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.



AT WORK*

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SHANTUI

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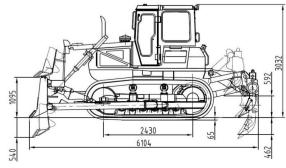
160 HP SD 16

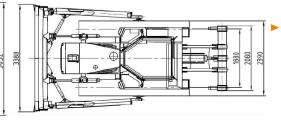
Technical specifications:

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

Model of Type Rated power 1 20 kW Number of cylinders Piston displacement Min. fuel consumption Maximum torque 7 8- km @ 1300 rpm Torque converter Transmission Planetary gear type, power-shift, forced lubrication Main drive Spiral bevel gear, single-stage speed reduction, splash lubrication Steering back Steering back Steering back Lubricated, floating band structure, foot brake with hydraulical booster Final drive 2-stage speed reduction of spur gear, splash lubrication Well and the speed of the spiral bush of the spiral back Steering back Steering back Lubricated, floating band structure, foot brake with hydraulical booster Final drive 2-stage speed reduction of spur gear, splash lubrication Well and the speed speed speed spiral bush speed s									
Number of cylinders	ENGINE ENGINE		Model & type Weichai WD10G178E25; water-cooled, in-line, 4-stroke injection direct						
Min. fuel consumption Annual Maximum torque 765 N-m@1300 rpm			Rated power	120 kW					
Min. fuel consumption Annual Maximum torque 765 N-m@1300 rpm		SINE	Number of cylinders	6–126 x 130 mm (bore x stroke)					
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, floating band structure, foot brake with hydraulically separated, inter-linking with steering brake Lubricated, floating band structure, foot brake with hydraulical booster Final drive 2-stage speed reduction of spur gear, splash lubrication		ENG	Piston displacement	9.726 L					
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 Lubricated, floating band structure, foot brake with hydraulic booster Final drive 2-stage speed reduction of spur gear, splash lubrication Gear 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 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 Maximum pressure Pump type Gear pump Discharge Bore of working cylinder × no. 110 mm × 2 Blade type Straight-tilt Angle U-blade Dozing capacity 4.5 m² 4.3 m² 5.0 m² Efficiency (Theoretical value 40 m) 255 m²/h 225 m²/h 250 m²/h Blade width 3338 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			Min. fuel consumption	ion 214 g/kW·h					
Transmission			Maximum torque	765 N·m@1300 rpm					
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 Lubricated, floating band structure, foot brake with hydraulic booster Final drive 2-stage speed reduction of spur gear, splash lubrication Gear 1st 2nd 3rd Forward 0-3.29 km/h Reverse 0-4.28 km/h 0-7.59 km/h 0-7.59 km/h 0-72.59 km/h 0-72.53 km/h Type Sprayed beam, suspended structure of equalizer Carrier rollers 1 cach side Track type Assembled, single-grouser Width of track shoes Fitch 203.2 mm Maximum pressure Pump type Discharge Bore of working cylinder × no. Blade type Discharge Straight-tilt Dazing capacity 4.5 m² 4.3 m² 5.0 m² Efficiency (Theoretical value 40 m) 225 m²/h Blade width 3388 mm 3970 mm 3556 mm Maximum drop below ground Maximum tilt adjustment 400 mm - 400 mm			Torque converter	3-element, 1 stage, 1 phase					
Steering clutch Lubricated, multi-disc, spring loaded, hand hydraulically separated, inter-linking with steering brake Lubricated, floating band structure, foot brake with hydraulic booster		Z	Transmission	Planetary gear type, power-shift, forced lubrication					
Steering clutch Lubricated, multi-disc, spring loaded, hand hydraulically separated, inter-linking with steering brake Lubricated, floating band structure, foot brake with hydraulic booster		SSIO	Main drive	Spiral bevel gear, single-stage speed reduction, splash lubrication					
Final drive 2-stage speed reduction of spur gear, splash lubrication			Steering clutch	Lubricated, multi-disc, spring loaded, hand hydraulically separated, inter-linking with steering brake					
Track rollers Sear	Mod	POW TRA	Steering brake	Lubricated, floating band structure, foot brake with hydraulic booster					
Forward 0~3.29 km/h 0~5.82 km/h 0~10.59 km/h 0~10.53 km/h Reverse 0~4.28 km/h 0~7.59 km/h 0~10.53 km/h 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 Maximum pressure 14 MPa Pump type Gear pump Discharge Bore of working cylinder × no. 110 mm × 2 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 width 3388 mm 3970 mm 3556 mm Maximum drop below ground 540 mm 540 mm 530 mm Maximum drop below ground 540 mm 540 mm 530 mm Maximum drop below ground 540 mm 540 mm 530 mm Maximum tilt adjustment 400 mm — 400 mm			Final drive 2-stage speed reduction of spur gear, splash lubrication						
Type Sprayed beam, suspended structure of equalizer	TRAKEL		Gear	1st 2nd :		3rd			
Type Sprayed beam, suspended structure of equalizer		RAVE	Forward	0~3.29 km/h		0~5.82 km/h		0~9.63 km/h	
Carrier rollers 2 each side		IS	Reverse	0~4.28 km/	0~4.28 km/h 0~7.59 km		km/h	0~12.53 km/h	
Pitch 203.2 mm			Туре	Sprayed beam, suspended structure of equalizer					
Pitch 203.2 mm		1GE	Carrier rollers	2 each side					
Pitch 203.2 mm		ARRI/	Track rollers	6 each side					
Pitch 203.2 mm		UNDERCA SYSTEM	Track type	Assembled, single-grouser					
Maximum pressure 14 MPa			Width of track shoes	510 mm					
Pump type Discharge Disc			Pitch	203.2 mm					
Blade type	HYDRAULIC	· ·	Maximum pressure 14 MPa						
Blade type		AULI	Pump type					Gear pump	
Blade type		YDR	Discharge					243 L/min	
Dozing capacity			Bore of working cylinder × no. 110 mm × 2						
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	BLADE		Blade type		Straight-tilt		Angle	U-blade	
Blade width 3388 mm 3970 mm 3556 mm			Efficiency (Theoretical valu		4.5 m³		4.3 m³	5.0 m³	
Maximum drop below ground 540 mm 540 mm 530 mm Maximum tilt adjustment 400 mm – 400 mm					225 m³/h		225 m³/h	250 m³/h	
Maximum drop below ground 540 mm 540 mm 530 mm Maximum tilt adjustment 400 mm – 400 mm		ADE	Blade width		3388 mm		3970 mm	3556 mm	
Maximum tilt adjustment 400 mm – 400 mm		BL	Blade height		1149 mm		1040 mm	1120 mm	
			Maximum drop below ground		540 mm		540 mm	530 mm	
Maximum digging depth of 3-shank ripper Maximum lift above ground 572 mm 592 mm			Maximum tilt adjustment		400 mm		-	400 mm	
Maximum lift above ground 592 mm		AL)	Maximum digging depth of	572 mm					
<u> </u>		PER TION,	Maximum lift above ground					592 mm	
Weight of 3-shank ripper 1667 kg		RIPI (OP	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.