

Bulldozer

SD16E

Master of the swamp

Engine model : Weichai WD10G178E25
Rated power : 120 kW / 160 HP / 1850 rpm
Operating weight : 17.5 tons

Product features

The SD16E bulldozer has been developed to meet special requirements of certain earth-moving projects. It's equipped with a hydraulic control technology and an advanced structure, providing reliable performance and convenient and flexible operation. The SD16E's extended track makes it suitable for projects requiring low ground pressure.



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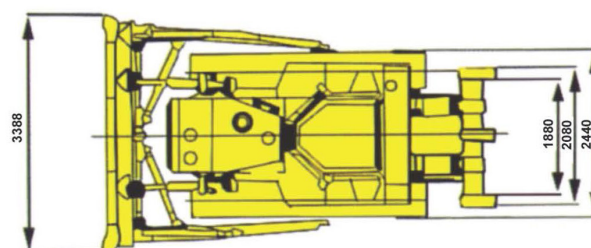
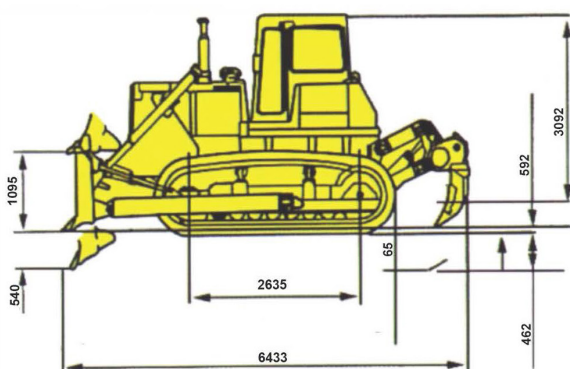
Technical Specification

Blade type	Straight-tilt blade
Min. ground clearance	400 mm
Ground pressure	0.067 MPa
Min. turning radius	4.545 m
Gradeability	30°
Track gauge	1880 mm

ENGINE	Model & type	Weichai WD10G178E25; water-cooled, in-line, 4-stroke direct injection		
	Rated power	120kW / 160HP / 1850rpm		
	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 @1300rpm		
POWER TRANSMITTING 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	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	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	7 (each side)		
	Track type	39 (each side)		
	Width of track shoes (mm)	560 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		
	Dozing capacity	4.5 m³		
	Efficiency (Theoretical value 40 m)	225 m³/h		
	Blade width	3388 mm		
	Blade height	1149 mm		
	Maximum drop below ground	540 mm		
	Maximum tilt adjustment	400 mm		

SD16E

Dimension



Kantor Cabang

Surabaya | Semarang | Denpasar | Medan | Pekanbaru | Palembang | Batam | Balikpapan | Banjarmasin | Makassar | Kendari | Manado

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