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## TD17T-5 BULLDOZER



### TD17T-5 Standard Bulldozers

Engine model: Weichai WD10G178E25

Net Power(kW/HP): 120/160

Dozing capacity (m3): 4.5(Straight tilt blade);5(U-blade) ; 4.4(Angle blade)

Operating weight(kg): 17000

#### Power system

- The mounted Weichai WD10G178E25 engines feature the high power, easy maintenance, high combustion efficiency, meeting the China-II emission standards.
- High power performance, reliability, economy, low noise and other merits.
- Fuel systems adopt the mechanical pressure injection technology, featuring the low fuel consumption. The 315L fuel tanks could provide the long work duration, reduce the times of fuel filling, saving time and cost and thus creating higher value.

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## **Drive system**

- The convenient operations, the higher power output and the production efficiency are achieved due to the steering system with hydraulic assist and the transmission with both the planetary power shift and the compulsory lubrication.
- The three-element hydraulic torque converters with the single-pole single-phase have the simple and reliable structure, as well as the improved adaptability. Furthermore, it could steadily transfer the power to the drive system, effectively protecting this system and thus improving the bulldozer ride comfort.
- The final drive adopts the spiral bevel gears, stage-I reduction and splash lubrication types.
- The steering clutches are of the wet type, the multi-disc spring compressure, the hydraulic release and the manual-hydraulic operating type. The steering brakes are of wet, floating belt and hydraulic assist types.

# Bulldozer Series



## TD17T-5

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



## Technical parameters of TD17T-5 series bulldozers

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		
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		
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
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	213L/min/1850		
Bore of working cylinder × no.	110 mm × 2		
Blade type	Straight-tilt	Angle	U-blade
Dozing capacity	4.5 m <sup>3</sup>	4.3 m <sup>3</sup>	5.0 m <sup>3</sup>
Efficiency (Theoretical value 40 m)	225 m <sup>3</sup> /h	225 m <sup>3</sup> /h	250 m <sup>3</sup> /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
Maximum digging depth of 3-shank ripper	572 mm		
Maximum lift above ground	592 mm		
Weight of 3-shank ripper	1667 kg		



