

## Bulldozer Series

# 160 HP / SD16

The all-purpose customer choice



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### ENGINE

Make	Shangchai/Weichai
Model	SC11CB184G2B1/WD10G178E25
Rated Power	120 kW @ 1850 rpm
Maximum Torque	765 Nm @ 1300 rpm
Displacement	10.5 L
Cylinder	6-121 x 152 mm (bore x stroke)
Water cooled	Yes
Direct injection	Yes
Radiator	Enlarged tropical radiator

### POWER TRANSMISSION

Make	SHANTUI
Torque converter	YJ380, 3-element, single-stage, single phase, ratio 2.3
Transmission	Planetary gear type, power-shift, forced lubrication
Main drive	Spiral bevel gear, single-stage speed reduction, splash lubrication, ratio 2.667
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, ratio 16.66
Number of drive wheel teeth	27

### 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

Make	SHANTUI
Type	Sprayed beam, suspended structure of equalizer
Carrier rollers	2 each side
Track rollers	6 each side
Track type	Assembled, single-grouser track
Track shoe width	510 mm
Grouser height	60 mm
No. of track shoes	37 each side
Pitch	203.2 mm
Ground pressure	0.072 Mpa

### HYDRAULIC CONTROL SYSTEM

Rated pressure	14 MPa
Pump type	Gear Pump
Flow rate	213 L/min
Blade lift cylinder	Φ110 mm×2
Blade tilt cylinder	Φ160 mm×1
Ripper cylinder	Φ160 mm×1

### RIPPER

Ripper type	Parallelogram adjustable and removable 3-shank ripper
Maximum digging depth	572 mm
Maximum lift above ground	592 mm
Weight	1667 kg

### CAB

ROPS & FOPS	YES
A/C	YES
Adjustable air suspension seat	YES
Seat belt	YES
Strobe light	YES
Fire extinguisher	YES, SABS Standard
Engine oil pressure meter	YES
Hydraulic oil temperature meter	YES
Coolant temperature meter	YES
Hour meter	YES
Voltage meter	YES

### DIMENSIONS AND WEIGHT

Overall length	6104 mm
Overall width	3388 mm
Overall height	3032 mm
Ripper overall width	2080 mm
Machine width (Blade off)	2390 mm
Machine length (Blade off)	5500 mm
Min. ground clearance	400 mm
Min. turning radius	4.5 m
Gradeability	30°
Track Gauge	1880 mm
Operating weight	17 ton

### ELECTRICAL EQUIPMENT

Batteries	2 x 12 V-165 Ah
Starter Motor	5.4 kW
Alternator	27 A

### SERVICE

Fuel tank	300 L
Engine coolant	79 L
Engine oil	45 L
Hydraulic tank	108 L
Transmission case	52 L
Steering case	70 L
Final drive case	23 L each side

### BLADE

Type	Straight Tilt	Angle	U-Blade
Dozing capacity	4.5 m³	4.3 m³	5.0 m³
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	N/A	400 mm
Maximum blade angle	N/A	20°	N/A

The specifications are subject to change without notice. The pictures may include options. The actual colour & appearance of the product may differ from what is shown.

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