

160 HP

## SD16TL

More muscle for soggy wetlands

- ▶ Engine model: Shangchai SC11CB184G2B1/Weichai WD10G178E25
- ▶ Net power: 120 kW/160HP/1850 rpm
- ▶ Operating weight: 18.4 t

### Product features

The SD16TL mechanical extra-swamp type bulldozer was developed to meet the requirements for operations in the soggiest of ground conditions. It is equipped with a mechanical drive system and advanced structural properties, providing more reliable performance and convenient and flexible operation. The SD16TL is the ideal construction machine for wetlands, swamps and otherwise damp conditions.



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# SHANTUI

VALUE THAT WORKS

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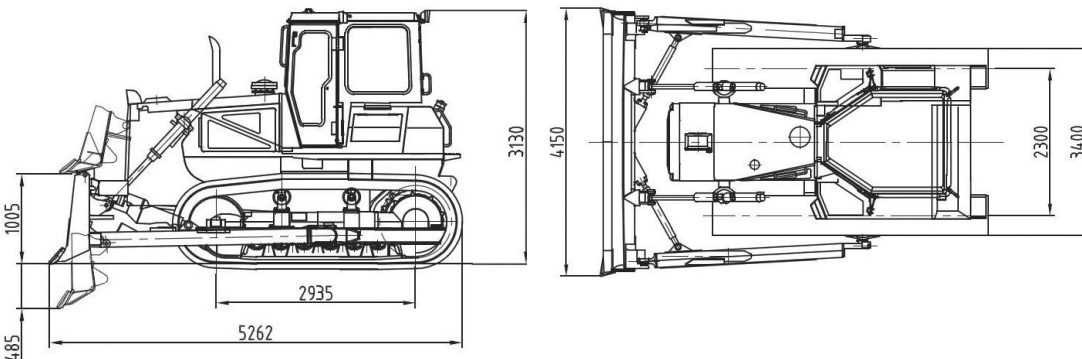
Technical specifications:

|                         |               |
|-------------------------|---------------|
| Blade Type              | Straight-tilt |
| Min. ground clearance:  | 495 mm        |
| Ground pressure:        | 0.027 MPa     |
| Minimum turning radius: | 4.6 m         |
| Gradeability:           | 30°           |
| Track gauge:            | 2300 mm       |

SD16TL

|   |                           |                                     |   |             |             |             |              |
|---|---------------------------|-------------------------------------|---|-------------|-------------|-------------|--------------|
|    | ENGINE                    | Model & type                        | Shanghai SC11CB184G2B1/Weichai WD10G178E25; 4-cycle, in-line, water-cooled, direct injection    |             |             |             |              |
|   |                           | Horsepower                          | Gross power: 131/175/1850 kW/HP/rpm // Net power: 120/160/1850 kW/HP/rpm                        |             |             |             |              |
|   |                           | 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 | Main clutch type                    | Wet, multi-disc, inertia brake, hand operate, hydraulic booster                                 |             |             |             |              |
|   |                           | Transmission                        | Forced lubrication, hand-operated   |             |             |             |              |
|   |                           | 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                         | Tow-stage reduction of spur gear splash lubrication   |             |             |             |              |
|    | TRAVEL SPEED              | Gear                                | 1st   | 2nd         | 3rd         | 4th         | 5th          |
|   |                           | Forward                             | 0~2.67 km/h   | 0~3.76 km/h | 0~5.41 km/h | 0~7.62 km/h | 0~11.13 km/h |
|   |                           | Reverse                             | 0~3.48 km/h   | 0~4.90 km/h | 0~7.05 km/h | 0~9.92 km/h |              |
|    | UNDERCARRIAGE SYSTEM      | Type                                | Sprayed beam, suspended structure of equalizer  |             |             |             |              |
|   |                           | Carrier rollers                     | 2 each side   |             |             |             |              |
|   |                           | Track rollers                       | 7 each side   |             |             |             |              |
|   |                           | Track type                          | Assembled, cycloidal triangle   |             |             |             |              |
|   |                           | Width of track shoes                | 1100 mm   |             |             |             |              |
|   |                           | Pitch                               | 203.2 mm  |             |             |             |              |
|  | HYDRAULIC SYSTEM          | Maximum pressure                    |   |             |             |             | 14 MPa       |
|   |                           | Pump type                           |   |             |             |             | Gear pump    |
|   |                           | Discharge                           |   |             |             |             | 243 L/min    |
|   |                           | Bore of working cylinder × no.      |   |             |             |             | 110 mm × 2   |
|  | BLADE                     | Blade type                          | Straight-tilt   |             |             |             |              |
|   |                           | Dozing capacity                     | 3.8 m³  |             |             |             |              |
|   |                           | Efficiency (Theoretical value 40 m) | 220 m³/h  |             |             |             |              |
|   |                           | Blade width                         | 4150 mm   |             |             |             |              |
|   |                           | Blade height                        | 960 mm  |             |             |             |              |
|   |                           | Maximum drop below ground           | 495 mm  |             |             |             |              |
|   |                           | Maximum tilt adjustment             | 1005 mm   |             |             |             |              |

## 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.