

220 HP

SD22D

King of the Desert

- ▶ Engine model: Cummins NT855-C280S10
- ▶ Rated power: 162 kW/1800 rpm
- ▶ Operating weight: 25.8 t

Product features

The SD22D desert bulldozer was developed by Shantui for desert operation. The SD22D features advanced performance, high reliability, low fuel consumption and convenient maintenance. It is equipped with an extended track, reducing ground pressure and giving it excellent maneuverability in the desert. It also has a large capacity radiator and engine intake pre-filter, allowing the SD22D to adapt to high winds and blowing sand, as well as high temperatures, making it suitable for earth moving operations in the desert.



SHANTUI

VALUE THAT WORKS

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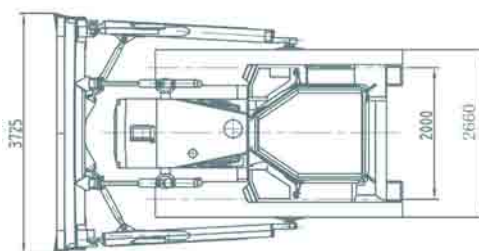
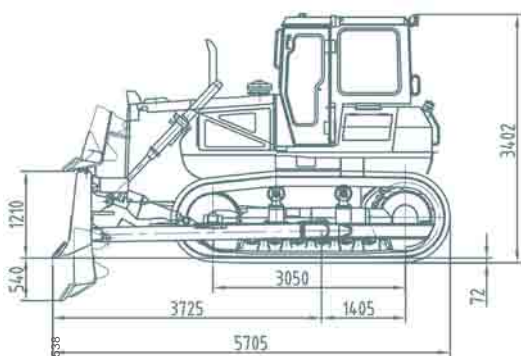
Technical specifications:

| | |
|-------------------------|---------------|
| Blade Type | Straight-tilt |
| Min. ground clearance: | 513 mm |
| Ground pressure: | 0.070 MPa |
| Minimum turning radius: | 3.3 m |
| Gradeability: | 30° |
| Track gauge: | 2000 mm |

SD22D

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|---|---------------------------|-------------------------------------|---|------------|-------------|
|  | ENGINE | Model & type | Cummins NT855-C280S10 In-line, water-cooled 4-cycle, overhead valve direct injection, turbocharged diesel | | |
| | | Rated power | 162 kW | | |
| | | Number of cylinders | 6-139.7 x 152.4 mm (bore x stroke) | | |
| | | Piston displacement | 14.01 L | | |
| | | Min. fuel consumption | 205 g/kW-h | | |
| | | Maximum torque | 1030 N·m@1250rpm | | |
|  | POWER TRANSMISSION SYSTEM | Torque converter | 3-element, 1 stage, 1 phase | | |
| | | Transmission | Planetary gear, multi-disc clutch, hydraulically connected, forced lubrication | | |
| | | Main drive | Spiral bevel gear, splash lubrication, single-stage speed reduction | | |
| | | Steering clutch | Wet, multi-disc, spring loaded, hydraulically separated, hydraulic control | | |
| | | Steering brake | Wet, floating, direct on-off hydraulic inter-linking operation | | |
| | | Final drive | 2-stage speed reduction of spur gear, splash lubrication | | |
|  | TRAVEL SPEED | Gear | 1st | 2nd | 3rd |
| | | Forward | 0~3.6 km/h | 0~6.5 km/h | 0~11.2 km/h |
| | | Reverse | 0~4.3 km/h | 0~7.7 km/h | 0~13.2 km/h |
| | | Type | Swing type of sprayed beam, suspended structure of equalizer bar | | |
|  | UNDERCARRIAGE SYSTEM | Carrier rollers | 2 each side | | |
| | | Track rollers | 7 each side | | |
| | | Track type | Assembled, single-grouser | | |
| | | Width of track shoes | 660 mm | | |
| | | Pitch | 216 mm | | |
|  | HYDRAULIC SYSTEM | Maximum pressure | 14 MPa | | |
| | | Pump type | Gear pump | | |
| | | Discharge | 262 L/min | | |
| | | Bore of working cylinder × no. | 120 mm × 2 | | |
|  | BLADE | Blade type | Straight-tilt blade | | |
| | | Dozing capacity | 6.4 m³ | | |
| | | Efficiency (Theoretical value 40 m) | 330 m³/h | | |
| | | Blade width | 3725 mm | | |
| | | Blade height | 1315 mm | | |
| | | Maximum drop below ground | 538 mm | | |
| | | Maximum tilt adjustment | >735 mm | | |
| | | Weight of blade | 2830 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.