

# SHANTUI AUSTRALIA

## SD60-C5

Crawler Dozer



Engine Model: Cummins QSK19  
Gross Power: 450kW(604hp)@1800rpm  
Operating Weight: 70,630kg

**POWERED BY**

**EV CORE®**

# SD60 C5 SPECIFICATIONS

## ENGINE

|                                |                             |
|--------------------------------|-----------------------------|
| Engine                         | Cummins QSK19               |
| Emission                       | China-III                   |
| Rated revolution               | 1800rpm                     |
| Gross power                    | 450kW(604hp)@1800rpm        |
| Net power                      | 438kW(588hp)@1800rpm        |
| Number of cylinder-bore×stroke | 6-159mm×159mm               |
| Displacement                   | 19L                         |
| Max. torque                    | 3019N.m@1300rpm             |
| Cooling system                 | Smart hydraulic control fan |

## DRIVE SYSTEM

|                  |                                                                                                                                                                                                                                                                                                                                             |                        |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Drive system     | Torqflow transmission consists of a water-cooled, 3-element, 1-stage, 1-phase torque converter with lockup clutch and a planetary gear, multiple-disc clutch transmission which is hydraulically-actuated and force-lubricated for optimum heat dissipation. Gearshift lock lever and neutral safety switch help prevent accidental starts. |                        |
| Traveling speed  | Forward                                                                                                                                                                                                                                                                                                                                     | 0-3.8/0-6.8/0-11.8km/h |
|                  | Backward                                                                                                                                                                                                                                                                                                                                    | 0-5.1/0-9.2/0-15.8km/h |
| Torque converter | 3-element, 1-stage, 1-phase with lockup clutch                                                                                                                                                                                                                                                                                              |                        |
| Transmission     | Planetary gear, multiple-disc clutch, hydraulically actuated and force-lubricated                                                                                                                                                                                                                                                           |                        |
| Steering clutch  | Wet, multiple-disc steering clutches are spring-actuated loaded and hydraulically released.                                                                                                                                                                                                                                                 |                        |
| Brake clutch     | Wet, multiple-disc brakes are spring-actuated and hydraulically released.                                                                                                                                                                                                                                                                   |                        |
| Final drive      | Primary spur gear + primary planetary reduction                                                                                                                                                                                                                                                                                             |                        |

## CHASSIS SYSTEM

|                                             |                                                                                       |
|---------------------------------------------|---------------------------------------------------------------------------------------|
| Type                                        | Oscillation with equalizer bar and forward mounted pivot shafts, unique K-type bogies |
| Track shoe type                             | Single grouser                                                                        |
| Track gauge                                 | 2500mm                                                                                |
| Width of track shoe                         | 610/710/810mm                                                                         |
| Track grounding length                      | 3840mm                                                                                |
| Track grounding area                        | 46850cm <sup>2</sup>                                                                  |
| Number of track shoe                        | 40pcs/single side                                                                     |
| Grounding pressure (standard configuration) | 130.2kPa                                                                              |
| Number of carrier roller                    | 2pcs/single side                                                                      |
| Number of track roller                      | 7pcs/side                                                                             |
| Pitch                                       | 280mm                                                                                 |

## REFILL CAPACITY

|                         |                 |
|-------------------------|-----------------|
| Fuel capacity           | 1150L           |
| Coolant liquid capacity | 122L            |
| Engine oil capacity     | 24L             |
| Hydraulic oil tank      | 275L            |
| Transmission            | 246L            |
| Final drive             | 61L/single side |

## OPERATING WEIGHT

|          |         |
|----------|---------|
| Standard | 70630kg |
|----------|---------|

## BLADE

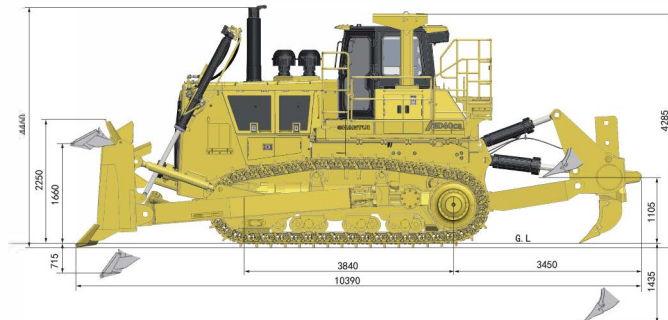
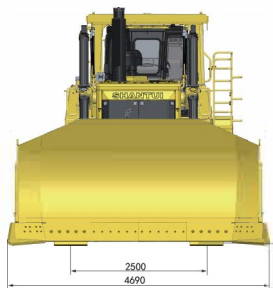
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|----------------|--------------------------|
| Blade type     | Semi-U blade(heavy duty) |
| Blade capacity | 18.9m <sup>3</sup>       |

## DIMENSION

|                                                                         |         |
|-------------------------------------------------------------------------|---------|
| Machine height (without ROPS)                                           | 4370mm  |
| Track grouser height                                                    | 93mm    |
| Ground clearance                                                        | 610mm   |
| Machine length (without draw bar)                                       | 10390mm |
| Max. lifting height of blade                                            | 1660mm  |
| Max. digging depth of blade                                             | 715mm   |
| Digging angle of blade                                                  | 55°     |
| Blade width                                                             | 4690mm  |
| Blade height                                                            | 2250mm  |
| Width from end of left track shoe to end of right track shoe (standard) | 3110mm  |

## RIPPER

|                                      |                     |
|--------------------------------------|---------------------|
| Type                                 | Single shank ripper |
| Weight                               | 3946kg              |
| Max. ripping depth                   | 1435mm              |
| Max. lifting height                  | 1105mm              |
| Ripper length (at deepest ripping)   | 2928mm              |
| Ripper width                         | 1600mm              |
| Departure angle (at highest lifting) | 45.6°               |



\* 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.

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