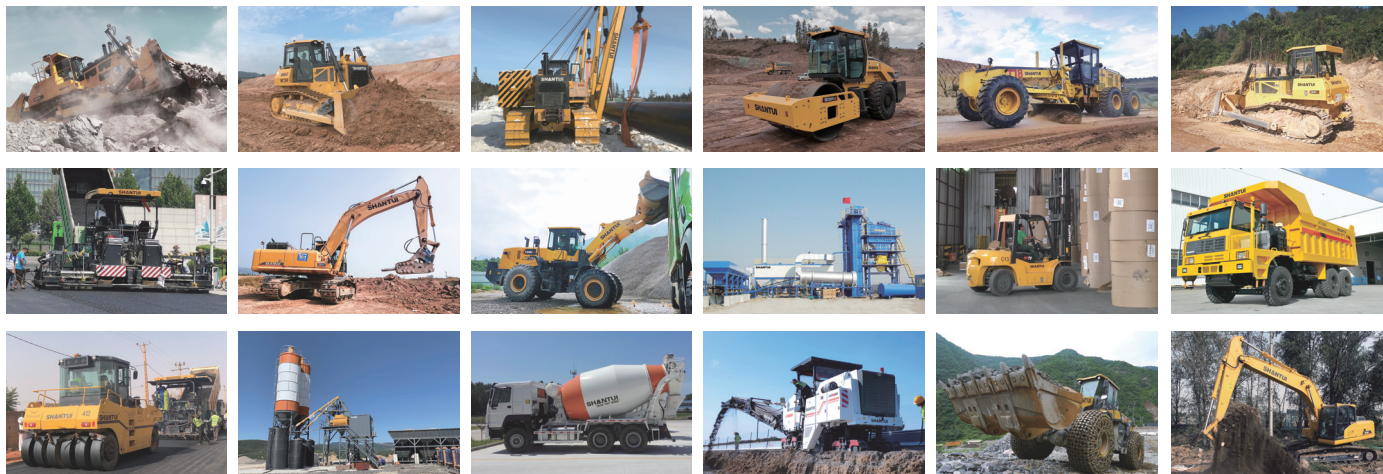




TOGUNA Motors

LET'S MAKE CONSTRUCTION EASIER

GROUP PRODUCTS



Shantui Social

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SHANTUI
LET'S MAKE CONSTRUCTION EASIER

SHANTUI

SD60-C5
Crawler Dozer



Engine Model: CUMMINS QSK19
Gross Power: 450kW(604 HP)/1800 rpm
Operating Weight: 70,630kg

SHANTUI Torqflow Travel Drive
electronically controlled



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The SHANTUI SD60-C5 is characterized by the modular design, with normally closed brake single-handle walking control system, lockup torque converter temperature-controlled cooling system, floating walking system, intelligent display terminal and other advanced technology. Mainly applicable to mining site, large-scale water conservancy, infrastructure and other heavy duty operations, the equipment can adapt to tough environment, and greatly improve productivity with low costs. Based on SD52-5, the SD60-C5 uses same solid and reliable engine, chassis system and transmission system. The electric traveling system and the driving system are completed upgraded.

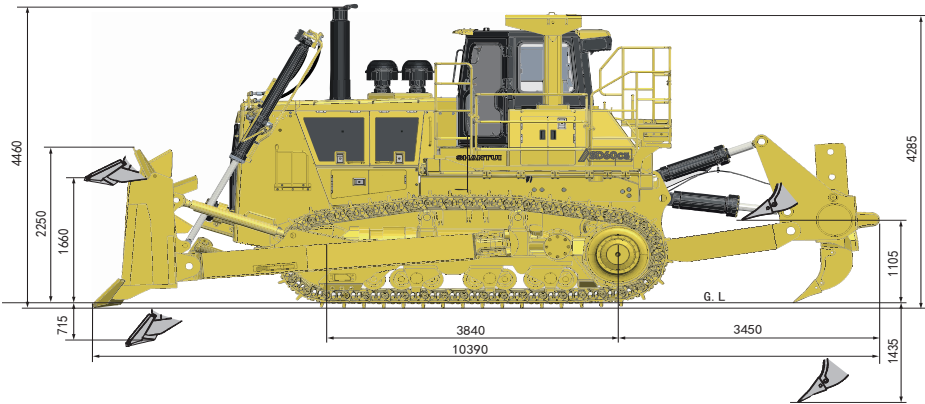
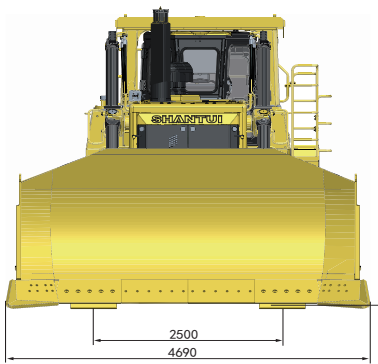
SPECIFICATIONS

WEIGHT	
Operating weight	70630kg
Transport weight	52100kg
DRIVE	
MIN TURNING RADIUS	
Without blade	3864mm
With blade	6786mm
Gradeability	30°
Stability:front/rear; left/right	30°
Ground pressure	130.2kPa
Travelling speed	
F.1st	3.8km/h
F.2nd	6.8km/h
F.3rd	11.8km/h
R.1st	5.1km/h
R.2nd	9.2km/h
R.3rd	15.8km/h
ENGINE	
Model	Cummins QSK19
Type	4-stroke,In-line,water cooled ,electronic control,turbocharged diesel,air to air intercooler
Bore*stroke	159*159mm
Displacement	19L
Rated power	450/1800kw/rpm
Max. torque	3019/1300Nm/rpm
Low/High idle speed	750/1900rpm
Min fuel consumption	216g/kw.h
Applicable altitude	≤3048m
Applicable temperature	-12~45°
GENERATOR	
Rated voltage	24V
Rated current	100A
START MOTOR	
Rated voltage	24V

Rated power	8kw	
BATTERY		
Unit capacity	75Ah	
Unit rated voltage	12V	
Quantity	4	
TRANSMISSION SYSTEM		
Torque converter	1 stage, 1 phase,3-element,electronic controlled lockup clutch,forced lubrication	
Transmission box	Planetary,multi-disc,hydraulic applied,forced lubricated, 3 forward gear,3 reverse gear	
Bevel gear	Spiral bevel gear,splash lubrication	
Steering clutch	Wet,multi-disc,spring application,hydraulic separated(electronic controlled),linked with brake clutch	
Brake clutch	Wet,multi-disc,spring application,hydraulic separated(electronic controlled),linked with steering clutch	
Final drive case	Spur gear reduction, planetary gear reduction,splash lubrication	
HYDRAULIC SYSTEM		
TRANSMISSION PUMP	Gear pump	
Front pump:transmission and steering pump	Displacement	112ml/r
Rear pump:lubrication pump	Displacement	160ml/r
Temperature controlled fan pump	Swash plate plunger pump, 140ml/r	
WORKING PUMP		
Type	Fixed displacement gear pump and double pump confluence	
Pump 1	Front pump displacement	135ml/r
Pump 1	Rear pump displacement	10ml/r
Pump 2	-	70ml/r
SCAVENGE OIL PUMP		
Type	Gear pump	
Front pump	Displacement	63ml/r
Rear pump	Displacement	200ml/r
Fan motor	Swash plate plunger motor, 110ml/r	
HYDRAULIC CYLINDER		
	Bore of working cylinder	150mm
	External diameter of piston rod	90mm
	Stroke of working cylinder	1671mm
	Min. length between mounting hinge points	937mm
	Relief valve setting	21mPa

Blade tilt cylinder	Bore of working cylinder	225mm
	External diameter of piston rod	110mm
	Stroke of working cylinder	220mm
	Min. length between mounting hinge points	1478mm
Ripper lift cylinder	Relief valve setting	21mPa
	Bore of working cylinder	225mm
	External diameter of piston rod	110mm
	Stroke of working cylinder	495mm
Ripper tilt cylinder	Min. length between mounting hinge points	1360mm
	Relief valve setting	21MPa
	Bore of working cylinder	200mm
	External diameter of piston rod	110mm
Pin puller cylinder	Stroke of working cylinder	550mm
	Min. length between mounting hinge points	1250mm
	Relief valve setting	21MPa
	Bore of working cylinder	55mm
Pin puller cylinder	External diameter of piston rod	30mm
	Stroke of working cylinder	150mm
	Min. length between mounting hinge points	378mm
	Relief valve setting	21MPa

UNDERCARRIAGE SYSTEM		
Structure	Modular design,equalizing beam, K type oscillation suspension	
Number of carrier roller	2	
Number of track roller	7	
Single flange each side	4	
Double flange each side	3	
Track shope type	Master link single grouser lubricated track shoe	
Number of track shoe	40	
Pitch	280mm	
Width of track shoe	610/710/810mm	
WORKING DEVICE		
Semi-U blade	Max. lifting height/digging depth	1660/715mm
	Max. tilting adjustment	730mm
	Blade capacity	18.9m³
	Blade width	4690mm
	Blade height	2250mm
	Digging angle of blade	55°
Single-shank ripper	Max.digging depth	1435mm
	Max.lifting height	1105mm
	Departure angle(at highest lifting)	32.5~55°
	Ripper width	1600mm
	Depth position	3



* 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.