



SHANTUI
VALUE THAT WORKS

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Shantui Construction Machinery Co., Ltd.
is a flagship member of the Shandong
Heavy Industry Group newly formed in 2009.

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Bulldozer Series

For European & North American Market



SHANTUI
VALUE THAT WORKS



Welcome to Shantui!

Home of Value That Works

HOW DO YOU SAY 'BULLDOZER' IN CHINESE?

Just as leading brand names have become substitutes for product names around the world, savvy Chinese often simply say 'Shantui' when they talk about bulldozers.

It makes sense: Shantui is the King of the Hill in China when it comes to the muscular machines that powered much of China's phenomenal quarter century-long construction boom. For decades, Shantui has led China's bulldozer market in most every category of market and volume share.

BEYOND THE GREAT WALL

Today, Shantui is well on its way to becoming synonymous with 'bulldozers' well beyond the borders of China, delivering the mechanical muscle to construct great walls, not to mention dams, power plants, housing, factories, hospitals, buildings, offices, ports—you name it!—just about everywhere on the planet people put mechanical muscle to work to build structures or tear them down.

And in 2010, Shantui became the world's Number One volume manufacturer and seller of bulldozers!

IT'S ALL ABOUT MOVING DIRT!

No question about it. Being Number One in the world is a big deal. We're proud of our accomplishments.

But we haven't forgotten how we got to be King of the Hill: Move more dirt better for less and the world will beat a path to your door!

So our job is to make the machines that get your jobs done...better, faster, more efficiently and at a lower cost. It's about more muscle, higher performance, rugged reliability, superb service and building bulldozers that go from one tough job to the next...and the next...without missing a beat or a day's work.

FAMILY TIES

Shantui's diverse bulldozers range from just-big-enough to gigantic. Some are designed to get your jobs done in crowded urban environments; others in biting cold or sweltering desert sands, humid rain forests or remote mountaintops. They work for small companies and multinational enterprises. Their operators range from seasoned professionals, to folks who never sat behind a steering wheel before.

But every Shantui bulldozer shares a common trait:

WE CALL IT VALUE THAT WORKS.

Much of Shantui's operations ▶ are headquartered in a massive well-organized industrial park in Jinan.

SHANTUI—VALUE THAT WORKS!

Great slogan, but how does Shantui create bulldozers that do more for less, deliver higher performance and greater value?

- Get-the-job-done design. Shantui bulldozers are packed with all the features you need for efficient work, job-centered productivity and operator safety, but with none of those 'bells and whistles,' costly extraneous add-ons that drive up your costs without enhancing job performance.
- Height, weight and reach. Built to survive and thrive on the toughest job sites under less-than-optimal working conditions, Shantui bulldozers are consistently heavier and more stable than the other guys' dozers.
- Shantui bulldozers, Shantui parts. Shantui manufactures all our bulldozers' structural parts—undercarriage, tracks, buckets, roller sets, torque converters, transmissions and more—in house. That means better quality control for our bulldozers and a better price for you.
- Designed for onsite maintenance and repair. More maintenance and many repairs can get done onsite without costly, job-delaying downtime.
- Economy of scale. Sometimes bigger is better: Only a world sales and manufacturing leader can supply the just-right bulldozer—a complete line of more than 20 dozer types and sizes including models with engines that meet Tier III/Stage III A European and USA emission standards—for the vast variety of jobs and conditions our customers take on around China and around the world. Only a world sales and manufacturing leader would devote the R&D resources in arcane fields like high efficiency push factors required to build a better dozer that does more for less. And only a world sales and manufacturing leader could make Anytime, Anywhere Service a worldwide reality.
- Solid machines, solid values. Call us old-fashioned, but we believe that the values held by people who make a product can add to that product's value. Our headquarters are located near the home of Confucius, China's preeminent philosopher; our corporate and personal ethos is steeped in his teachings fostering virtue, loyalty and lofty ethical standards. And we strive to make that philosophy part of each of our business dealings. "Do business today, be friends for life" is more than a slogan. It's a way of life at Shantui.



HYDROSTATIC BULLDOZER (STAGE IIIA/TIER3)

Value Ready to Work for You

Shantui Bulldozers

Move more dirt better for less and the world will beat a path to your door!

Product features

The turbocharged, air-to-air intercooled, electronically controlled diesel engine emissions meet EPA Tier 3/ Tier 4i, EU Stage III A /Stage III B standards; provides excellent power, economy (compared with similar horsepower hydrostatic bulldozers provides 15% savings), and durability.

The electronically controlled, dual-circuit hydrostatic drive system automatically adjusts the power output and the traveling speed to adapt to load changes; both sides of the track are independently driven, so as to ensure full steering power output, and enabling reverse rotation for both tracks; possesses "multi-grade" speed characteristics, providing optimum speed in a variety of working conditions.

The hand-operated electric control system, left joystick controls machine direction and speed, right joystick operates working device; system enables accurate, simple, and comfortable operation of the machine.

The heavy, durable, and strong chassis provides for reliable operations in any environment.

The integrated and intelligent thermal management system ensures optimal temperature control, noise management, and energy conservation.

The intelligent service system features automatic fault detection, diagnosis, and remote technical support.

The cab features roll/drop-proof design, shock absorbing structure, noise reduction technology, air conditioning, unobstructed vision, and a spacious environment.

The modular wheel reduction system boasts reliability, long life, and easy maintenance.

The high-capacity, strong, versatile blade is well-suited for operations such as backfilling, excavation, shaping, and other heavy duty jobs.

▼ BULLDOZERS



SD08YE/SD08YS

SD10YE/SD10YS (Stage IIIA/Tier3) /
SD10YE/SD10YS (Stage IIIB/Tier4i)

SD13YE/SD13YS



Power System

Electronically Controlled Cummins Engine

Possesses excellent power, economy, and durability.

Type: Dual air and water cooled, inline, four-stroke, electronic control

Emissions: Meets European standards for non-road mobile equipment (Tier 3/Stage IIIA) / (Tier 4i /Stage IIIB)

SD08YE/SD08YS: QSB3.3

SD10YE/SD10YS: QSB4.5

(Tier 3/Stage IIIA)/(Tier 4i /Stage IIIB)

SD13YE/SD13YS: QSB6.7

Mounted Engine and Hydraulic Elastic Damping

Integrated Aluminum Radiator

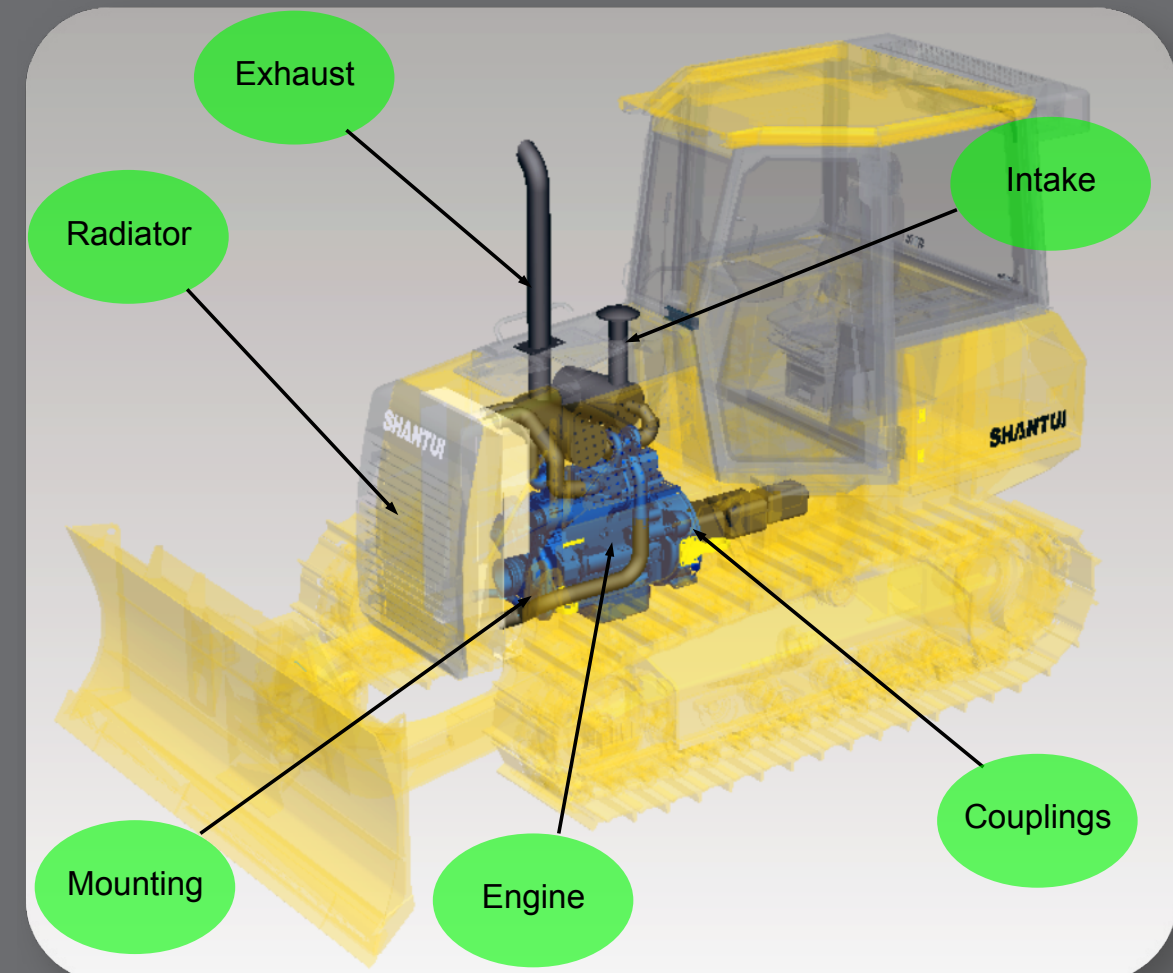
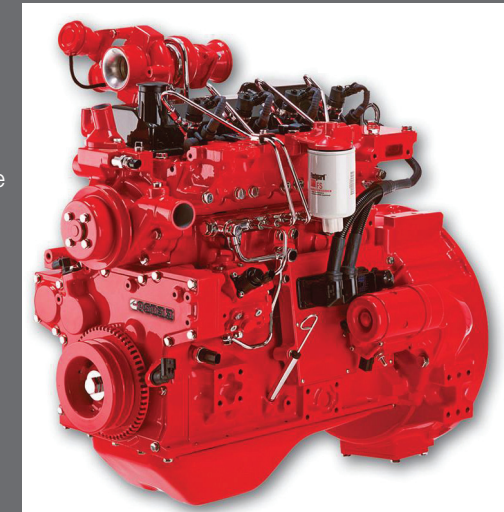
Water cooled engine, air-to-air intercooler, integrated oil cooler, compact structure, light weight.

Tube-band type aluminum radiator, efficient heat exchange.

High-efficiency ventilation

KTR Flexible Nylon Coupling

Effectively absorbs engine torque shock, improving power train life.



Hydraulic System (Bosch Rexroth)

Drive Hydraulics (Maximum pressure: 42.5MPa)

The electronically-controlled dual-circuit hydrostatic drive system automatically adjusts the power output and traveling speed to adapt to load changes; both sides of the track are independently driven, so as to ensure full steering power output, also enabling both tracks reverse rotation; also posses "multi-grade" speed features, enabling optimal output in a variety of working conditions.

Working Device Hydraulics (Load feedback variable hydraulic system, system pressure: 21MPa)

Two lift cylinders control the blade lift movements, one tilt cylinder controls the upper and lower blade tilt, and two angle adjustment cylinders control the left/right blade rotation.

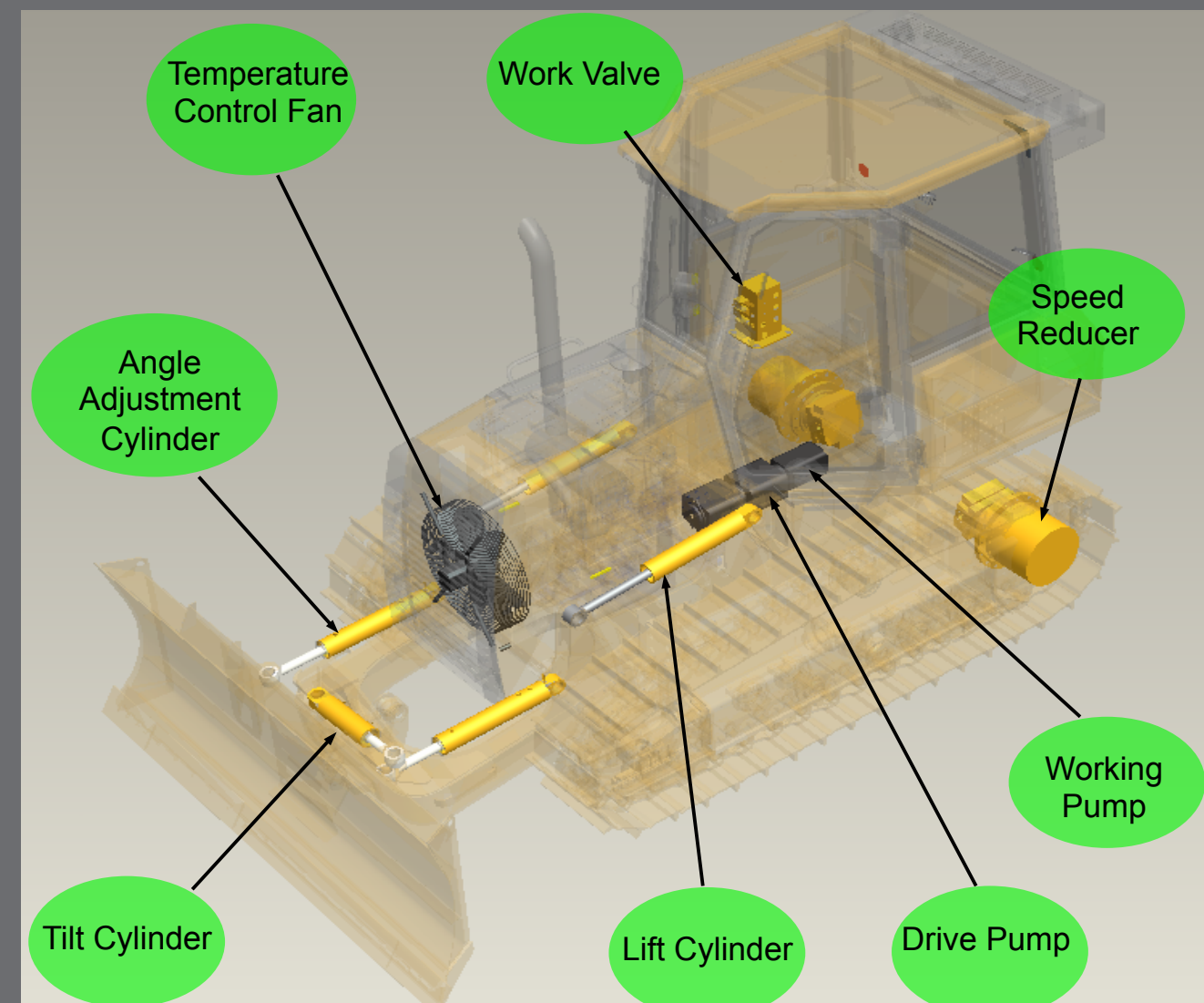
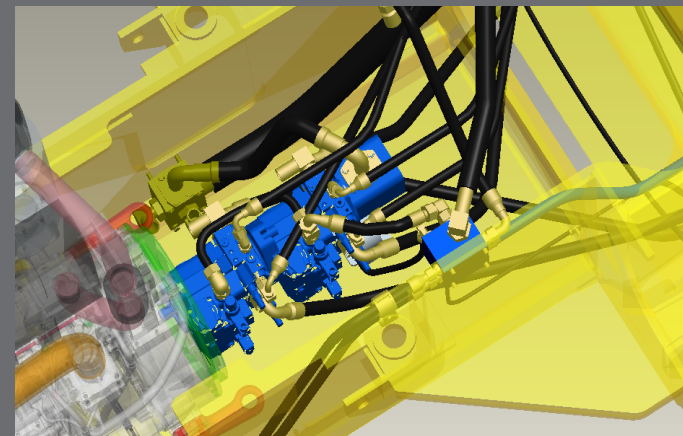
Temperature Control Fan Hydraulics

Through a system composed of the hydraulic pumps, hydraulic motors, controllers, proportional solenoid

valves, and other components, the temperature of the hydraulic system and the intake air temperature controls the fan speed.

Centralized Pressure System

The pressure measurement panel is located on the right side of the main chassis, for easy testing.

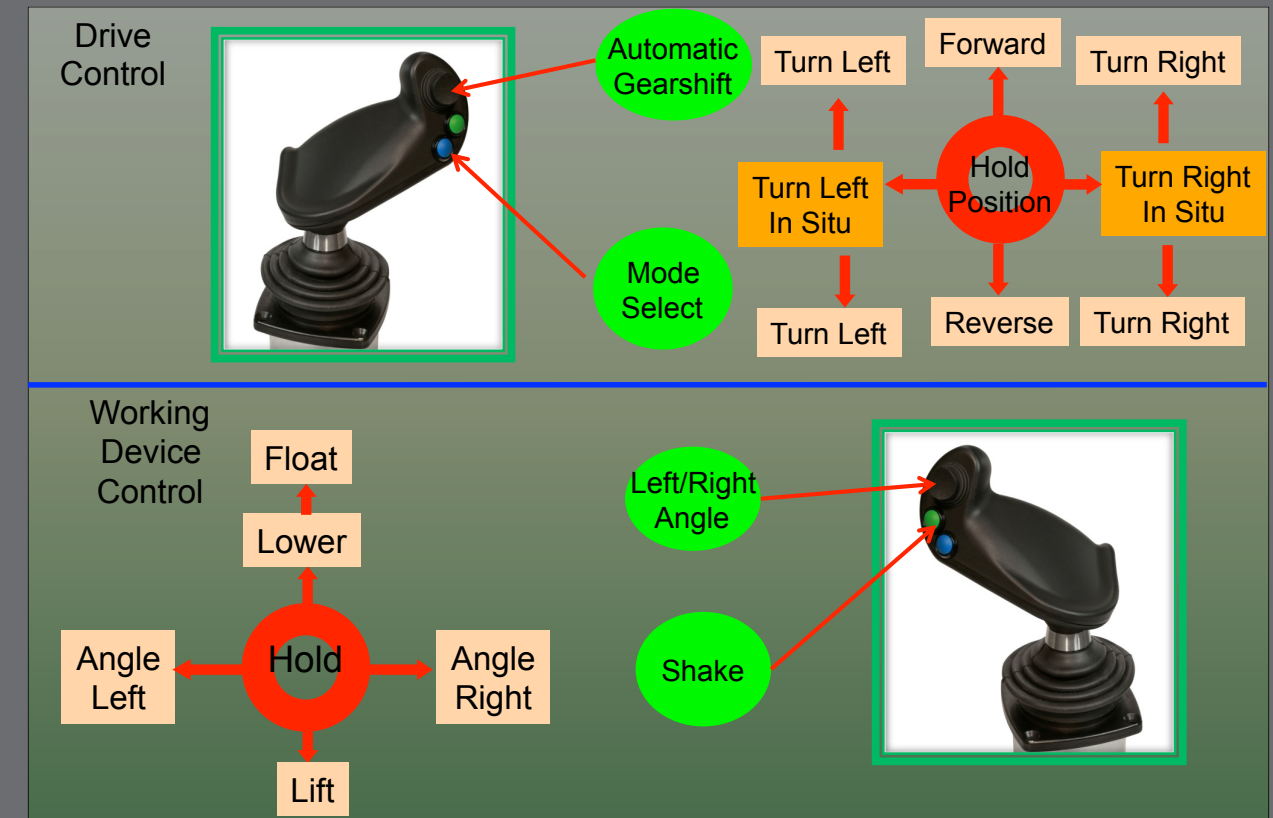


Electrical and Control Systems

Hand-Operated Electronic Control System (Accurate, flexible and simple operation)

Left-hand device controls machine direction and speed.

Right-hand device controls machine working device.



Engine Control System

Throttle knob located to the driver's left side.

Pedal-type foot throttle located on the cab floor.

Temperature Control Fan System

The temperature of the water coolant, intercooler intake air, and oil is collected, and the signal is sent temperature control fan's solenoid valves. This in turn controls the fans speed and flow of oil through the engine, and achieves temperature and noise goals.

Automatic Fault Detection and Alarm System

When the machine performs abnormally, a signal is sent to the diagnostic software; then the corresponding error message will appear on the LCD operator screen along with a fault alarm light.

Possesses a "history of errors" inquiry function.

Intelligent Service System

Immediate machine implementation, comprehensive and continuous data measurement, fault alarm, vehicle control, and additional remote operations.

Air Conditioning System

Split air conditioning, evaporators arranged on floor outside of frame.

- Heating and dual temperature control
- Fan speed control
- Defrost
- Air recycle



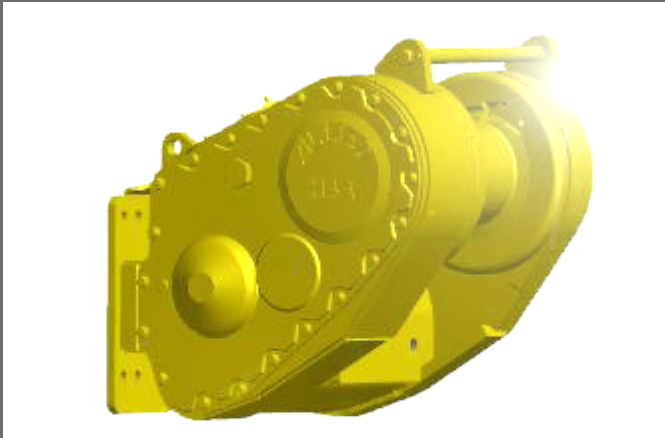
Chassis System

Integrated Main Chassis
The frame and trailer chassis feature an integrated structure with a rigid welded wing structure, which provides excellent strength, rigidity, and easy installation.

Carriage Assembly (SD10YE/SD10YS is an example)

- Track Gauge 1650mm/1790mm
- Track Link Pitch 171.45mm
- Driving Wheel Outfitted with cast steel structure, pitch diameter ϕ 635.478mm
- Track Roller 6 pieces/side
- Roller 2 pieces/side
- Track Shoe Single-tooth track, width 460mm/660mm

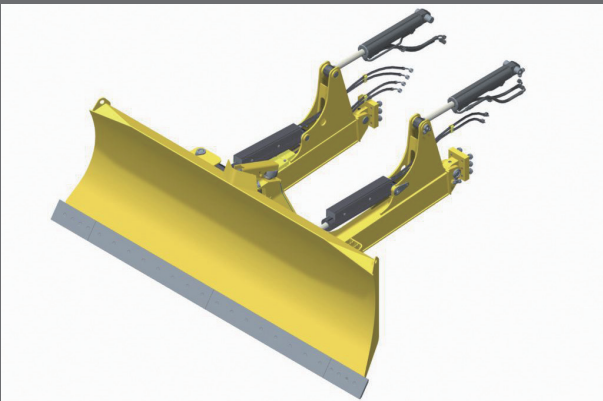
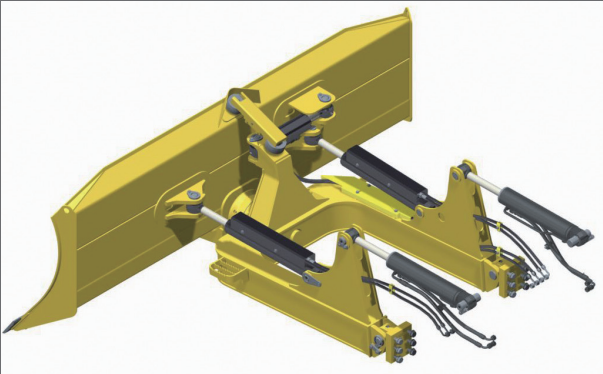
Hydraulic Winch (Optional)



	Weight	612kg
	Winch Working Pressure	21MPa
	Pilot Pressure	2.5MPa
	Theoretical Pump Flow	130L/min
	Motor Displacement	46ml/r
	Gear Ratio	125:1
	Winch Drum Diameter	203mm
	Winch Drum Length	241mm
	Optional Wire Diameter	16/19mm
	Maximum Length of Wire	84/59m
Bare Drum	Maximum Wire Force	14880kg
	Maximum Wire Speed	22.3m/min
	Rated Load	7250kg
	Wire Rated Speed	19.3m/min
Full Drum	Maximum Wire Force	8500kg
	Maximum Wire Speed	29.1m/min
	Rated Load	7250kg
	Wire Rated Speed	39.1m/min

Multifunctional Working Device: VPAT Blade

Capable of raising, lowering, floating, left/right swing, and other functions.



ROPS&FOPS fully sealed cabin

Ergonomics air suspension seat Color screen for easy operation Full view of the blade when seated in the cabinvision; Large space; Fully sealed, reduced noise.

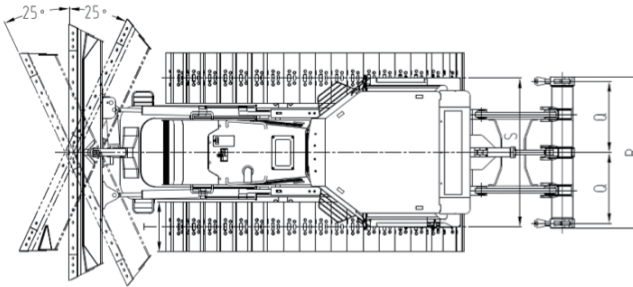
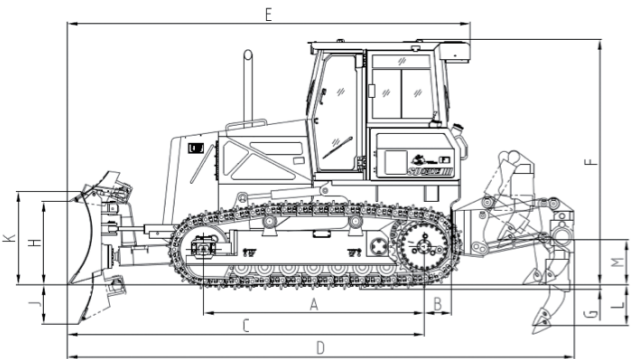
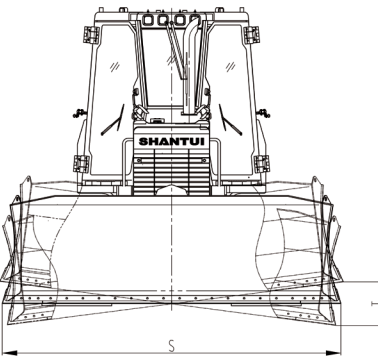
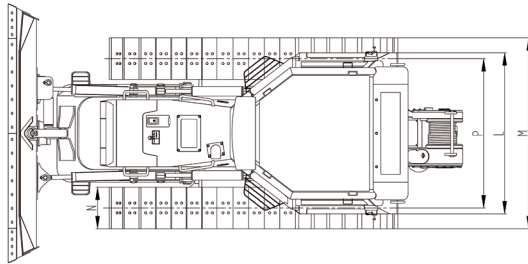
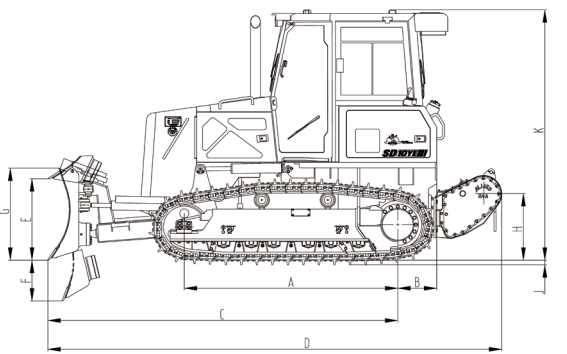
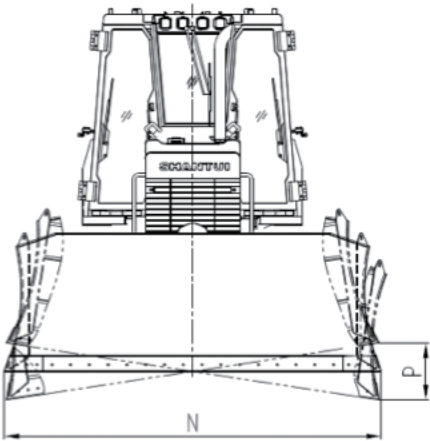


Dimensions (80HP\100HP)

		80HP		100HP	
		SD08YE	SD08YS	SD10YE	SD10YS
A	mm	2270	2270	2360	2360
B	mm	430	430	430	430
C	mm	3737	3737	3868	3868
D	mm	4882	4882	5012	5012
E	mm	750	750	900	900
F	mm	515	515	450	450
G	mm	950	900	1020	1020
H	mm	800	800	778	778
J	mm	47	47	50	50
K	mm	2775	2775	2763	2763
L	mm	1780	1780	1780	1780
M	mm	2060	2360	2110	2450
N	mm	460	610	460	660
P	mm	1600	1750	1650	1790
S	mm	2680	3150	2860	3200
T	mm	350	411	410	458

Dimensions (130HP)

		130HP	
		SD13YE	SD13YS
A	mm	2640	2640
B	mm	330	330
C	mm	4272	4272
D	mm	6068	6068
E	mm	4849	4849
F	mm	2938	2938
G	mm	50	50
H	mm	1000	1000
J	mm	460	460
K	mm	1120	1120
L	mm	467	467
M	mm	559	559
N	mm	3060	3380
P	mm	460	510
Q	mm	796	796
R	mm	1762	1762
S	mm	1780	2000
T	mm	560	760



Technical specifications:

		UNIT	80 HP		100 HP	
MODEL			SD08YE Tier 3/ Stage IIIA	SD08YS Tier 3/Stage IIIA	SD10YE Tier 3/Stage IIIA	SD10YS Tier 3/ Stage IIIA
Main Specification	L*W*H	mm	Traction Frame 4252 × 2680 × 2775	Traction Frame 4252 × 3150 × 2775 Winch 4882 × 3150 × 2775	Traction Frame 4406 × 2860 × 2763 Winch 5012 × 2860 × 2763	Traction Frame 4406 × 3200 × 2763 Winch 5012 × 3200 × 2763
	Operating Weight	kg	8020	8440	9200	9500
	Track Gauge	mm	1600	1750	1650	1790
	Ground Length	mm	2270		2360	2360
	Width of Trackshoe	mm	460	610	460	660
	Blade Width	mm	2680	3150	2860	3200
	Blade Height	mm	950	900	1020	
	Dozing Capacity	m³	1.93	2.04	2.38	2.66
	Maximum Lifting Height of Blade	mm	750		900	
	Maximum Digging Depth of Blade	mm	515		450	
	Maximum Tilting Height of Blade	mm	350	411	410	458
	Speed(Forward/ Reverse)	km/h	0–9		0–9	
	Ground Pressure	kPa	38.3	30.5	40	30.5
	Minimum Ground Clearance	mm	320		340	
	Gradeability	°	30		30	
Engine	Model		Cummins QSB3.3		Cummins QSB4.5	
	Type		Water-cooling,In-line,four-stroke,electrical control, intercooling turbocharging		Water-cooling,In-line,four-stroke,electrical control, intercooling turbocharging	
	Rated Speed	rpm	2200		2200	
	Total Power	kW	SAE J1995 74kW 99hp @2200 rpm		SAE J1995 82 kW 110hp @ 2200 rpm	
	Net Power		GB/T 16936 / ISO 924967kW 90hp @2200 rpm		GB/T 16936 / ISO 9249 80 kW 107hp @ 2200 rpm	
	Net Power (Min. Fan Speed)		–		72 kW 97hp @ 2200rpm	
	Cylinder Qty– Cylinder Bore X Stroke	mm	4–95 × 115		4–107 × 124	
	Swept Volume	L	3.3		4.46	
	Max.Torque	N.m/rpm	415/1600		488/1500	
	Fuel Capacity	L	192		192	
	Coolant Capacity	L	18		20	
	Engine Oil Capacity	L	7		15	
Undercarriage System	Type		Rigid Suspension		Rigid suspension	
	Number of Carrier Roller		1/side		2/side	
	Width of Trackshoe	mm	460	610	460	660
	Pitch	mm	154		171.45	
Hydraulic System	Variable Pump		2		2	
	Number of Travel Motor and Reducer		2		2	
	System Pressure	MPa	42.5		42.5	
	Brake Pressure	MPa	2.5		2.5	

100 HP		130 HP	
SD10YE Tier 4i/Stage IIIB	SD10YS Tier 4i/Stage IIIB	SD13YE Tier 3/Stage IIIA	SD13YS Tier 3/Stage IIIA
Traction Frame 4406 × 2860 × 2763 Winch 5012 × 2860 × 2763	Traction Frame 4406 × 3200 × 2763 Winch 5012 × 3200 × 2763	4849 × 3060 × 2988	4849x3380x2988
9200	9500	12800	13400
1650	1790	1780	2000
2360	2360	2640	
460	630	560	760
2860	3200	3060	3380
1020		1120	1120
2.38	2.66	3.07	3.39
900		1000	
450		460	
410	458	460	510
0–9		0–10	
40	30.5	43	32.7
340		360	
30		30	
Cummins QSB4.5		Cummins QSB6.7	
Water-cooling,In-line,four-stroke,electrical control, intercooling turbocharging			
2200		2200	
SAE J1995 82 kW 110hp @ 2200 rpm		SAE J1995 99 kW 133hp @ 2200 rpm	
GB/T 16936 / ISO 9249 80 kW 107hp @ 2200 rpm		GB/T 16936 / ISO 9249 97 kW 130hp @ 2200 rpm	
72 kW 97hp @ 2200rpm		90 kW120hp @ 2200rpm	
4–107 × 124		6–107 × 124	
4.46		6.7	
488/1500		584/1450	
192		268	
20		26	
15		24	
Rigid suspension		Semi-rigid suspension	
2/side		2/side	
460	660	560	760
171.45		190	
2		2	
2		2	
42.5		42.5	
2.5		2.5	

HYDROSTATIC BULLDOZER (STAGE IIIB/TIER4I)

SD16YE/SD16YS

Shantui Bulldozers

Move more dirt better for less and the world will beat a path to your door!

Product features

The turbocharged, air-to-air intercooled, electronically controlled diesel engine emissions meet EPA Tier4i EU Stage III B standards; provides excellent power, economy (compared with similar horsepower hydrostatic bulldozers provides 15% savings), and durability.

The electronically controlled, dual-circuit hydrostatic drive system automatically adjusts the power output and the traveling speed to adapt to load changes; both sides of the track are independently driven, so as to ensure full steering power output, and enabling reverse rotation for both tracks; possesses “multi-grade” speed characteristics, providing optimum speed in a variety of working conditions.

The hand-operated electric control system, left joystick controls machine direction and speed, right joystick operates working device; system enables accurate, simple, and comfortable operation of the machine.

The heavy, durable, and strong chassis provides for reliable operations in any environment.

The integrated and intelligent thermal management system ensures optimal temperature control, noise management, and energy conservation.

The intelligent service system features automatic fault detection, diagnosis, and remote technical support.

The cab features roll/drop-proof design, shock absorbing structure, noise reduction technology, air conditioning, unobstructed vision, and a spacious environment.

The modular wheel reduction system boasts reliability, long life, and easy maintenance.

The high-capacity, strong, versatile blade is well-suited for operations such as backfilling, excavation, shaping, and other heavy duty jobs.

▼ SD16YE



Technical specifications:

MODEL		UNIT	160 HP	
			SD16YE Tier 4i/Stage IIIB	SD16YS Tier 4i/Stage IIIB
Main Specification	L*W*H	mm	Traction Frame 6670X3295X3064	Traction Frame 5260 × 3350 × 3050
	Operating Weight	kg	16060	18600
	Track Gauge	mm	1890	2100
	Ground Length	mm	3075	2830
	Width of Trackshoe	mm	560	760
	Blade Width	mm	3295	3350
	Blade Height	mm	1195	1200
	Dozing Capacity	m³	3.76	3.68
	Maximum Lifting Height of Blade	mm	1025	
	Maximum Digging Depth of Blade	mm	650	
	Maximum Tilting Height of Blade	mm	450	450
	Speed (Forward/Reverse)	km/h	0-10	
	Ground Pressure	kPa	47	33.6
	Minimum Ground Clearance	mm	370	360
Engine	Gradeability	°	30	
	Model		Cummins QSB6.7	
	Type		Water-cooling, In-line, four-stroke, electrical control, intercooling turbocharging, EGR, DOC	
	Rated Speed	rpm	2200	
	Total Power	kW	SAE J1995 120kW 160hp @2100 rpm	
	Net Power		GB/T 16936 / ISO 9249 67kW 160hp @2100 rpm	
	Net Power (Min. Fan Speed)		-	
	Cylinder Qty-Cylinder Bore X Stroke	mm	6-107 × 124	
	Swept Volume	L	6.7	
	Max.Torque	N.m/rpm	801/1500	
	Fuel Capacity	L	380	
	Coolant Capacity	L	11.7	
	Engine Oil Capacity	L	16-18	
Undercarriage System	Type		Rigid Suspension	
	Number of Carrier Roller		2/side	
	Width of Trackshoe	mm	560	610
	Pitch	mm	203	
Hydraulic System	Variable Pump		2	
	Number of Travel Motor and Reducer		2	
	System Pressure	MPa	42	
	Brake Pressure	MPa	2.5	

► THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. THE PICTURES MAY INCLUDE OPTIONS. THE ACTUAL COLOR AND APPEARANCE OF THE PRODUCT MAY DIFFER FROM WHAT IS SHOWN.

Power System

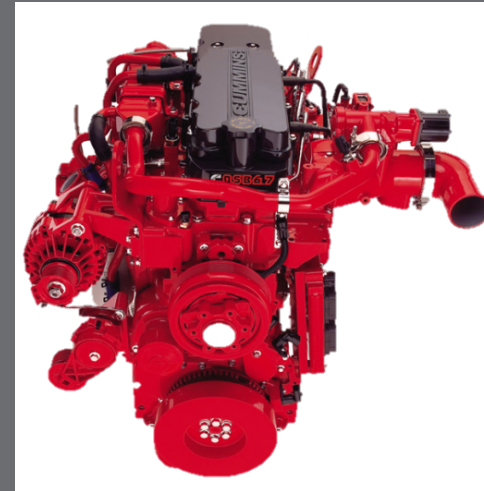
Electronically Controlled Cummins Engine

Possesses excellent power, economy, and durability.

Type: Dual air and water cooled, inline, four-stroke, electronic control

Emissions: Meets European standards for non-road mobile equipment (Tier 4i/Stage IIIB)

SD16YE/SD16YS: QSB6.7



Mounted Engine and Hydraulic Elastic Damping

Integrated Aluminum Radiator

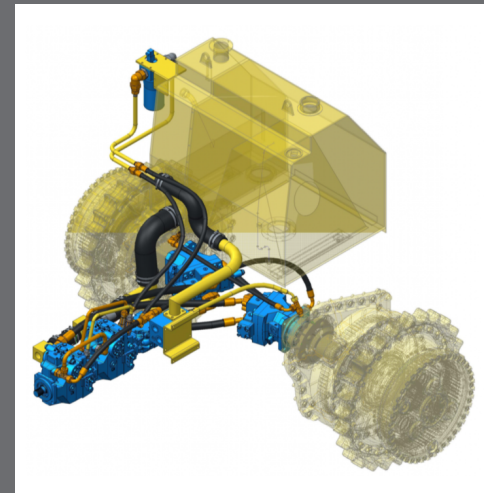
Water cooled engine, air-to-air intercooler, integrated oil cooler, compact structure, light weight.

Tube-band type aluminum radiator, efficient heat exchange.

High-efficiency ventilation

KTR Flexible Nylon Coupling

Effectively absorbs engine torque shock, improving power train life.



Hydraulic System

Sauer dual pump dual Motor

Closed type electronic control System

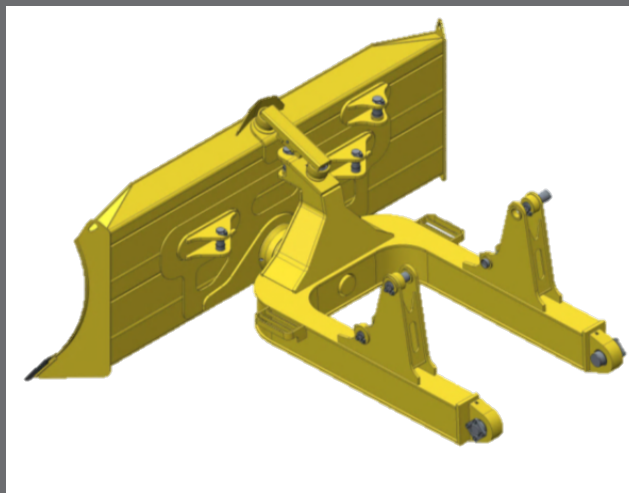
BLADE

Blade dimensions: 3295×1195 mm

Dozing capacity: 3.76 m³

Maximum drop below ground: 1025 mm

Maximum tilt adjustment: 650 mm

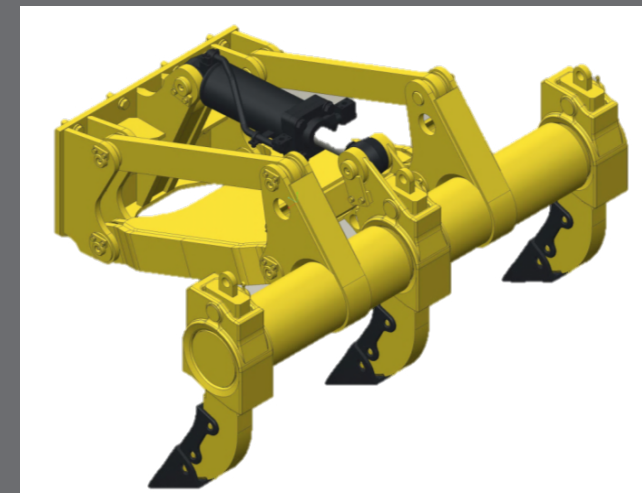


RIPPER(Optional)

3-shank ripper

Maximum digging depth of 3-shank ripper: 463 mm

Maximum lift above ground: 588 mm



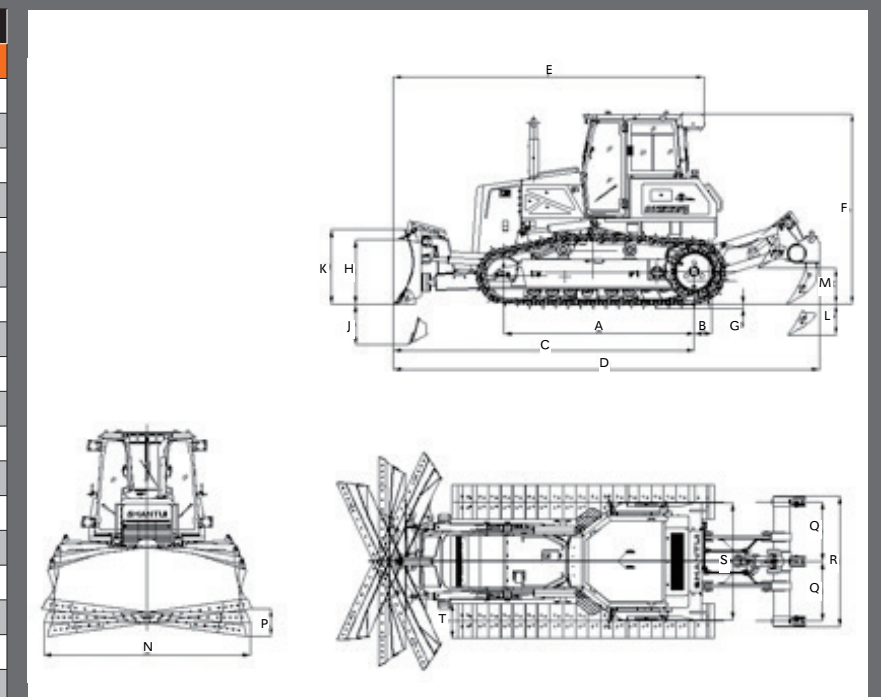
ROPS&FOPS fully sealed cabin

Ergonomics air suspension seat Color screen for easy operation Full view of the blade when seated in the cabinvision; Large space; Fully sealed, reduced noise.



Dimensions (160HP)

		160HP	
		SD16YE	SD16YS
A	mm	3075	3075
B	mm	290	290
C	mm	4850	4850
D	mm	6670	6970
E	mm	5010	5010
F	mm	3064	3064
G	mm	65	65
H	mm	1025	1025
J	mm	650	650
K	mm	1195	1195
L	mm	492	492
M	mm	572	572
N	mm	3295	3295
P	mm	450	450
Q	mm	950	1050
R	mm	2082	2282
S	mm	1860	1860
T	mm	560	560



POWERSHIFT BULLDOZER (STAGE IIIA/TIER3)

Value Ready to Work for You

Shantui Bulldozers
Move more dirt better for less and the world will beat a path to your door!

SD16-3 CE

Product features

Made with advanced technology to get your jobs done in a rich variety of special working circumstances, the 17-ton SD16-3 features a hydraulic drive system with hydraulic control technology and is powered by a mighty Cummins QSC8.3 engine for European and North American models. This cousin of the SD16 is produced specifically for European and North American markets and meets all relevant requirements for entry into Europe and North America.

▼ SD16-3 CE



SD22 CE

Product features

Made with advanced technology to get your jobs done in a rich variety of special working circumstances, the 22.5-ton SD22 features a hydraulic drive system with hydraulic control technology and is powered by a mighty Cummins QSNT C261 engine for European and North American models. This cousin of the SD16 is produced specifically for European and North American markets and meets all relevant requirements for entry into Europe and North America.

▼ SD22 CE



SD32 CE

Product features








Made with advanced technology to get your jobs done in a rich variety of special working circumstances, the 37.2-ton SD32 features a hydraulic drive system with hydraulic control technology and is powered by a mighty Cummins QSNT C345 engine for European and North American models. This cousin of the SD16 is produced specifically for European and North American markets and meets all relevant requirements for entry into Europe and North America.

▼ SD22 CE

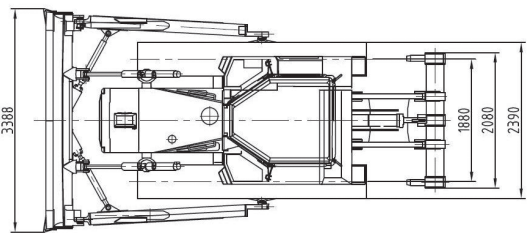
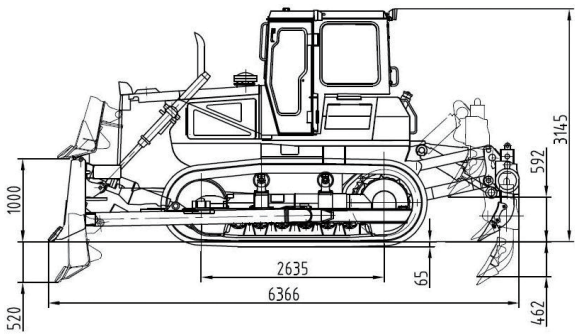


SD16-3 CE

Blade Type	Straight-tilt	Angle
Min. ground clearance:	400 mm	400 mm
Ground pressure:	0.058 MPa	0.074 MPa
Minimum turning radius:	4.466 m	4.513 m
Gradeability:	30°	30°
Track gauge:	1880 mm	1880 mm








	ENGINE	Model & type	Cummins QSC8.3; water-cooled, in-line, 4-stroke injection direct,conform Euro Stage IIIA emission standards		
		Rated power	120 kW		
		Number of cylinders	6~114 x 135 mm (bore x stroke)		
		Piston displacement	9.3 L		
		Min. fuel consumption	214 g/kW-h		
		Maximum torque	764 N·m		
	POWER TRANSMISSION SYSTEM	Torque converter	3-element, 1 stage, 1 phase		
		Transmission	Planetary gear type, power-shift, forced lubrication		
		Main drive	Spiral bevel gear, single-stage speed reduction, splash lubrication		
		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		
	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	Type	Sprayed beam, suspended structure of equalizer		
		Carrier rollers	2 each side		
		Track rollers	7 each side		
		Track type	Assembled, single-grouser		
		Width of track shoes	510 mm		
		Pitch	203.2 mm		
	HYDRAULIC SYSTEM	Maximum pressure	14 MPa		
		Pump type	Gear pump		
		Discharge	213 L/min		
		Bore of working cylinder × no.	110 mm × 2		
	BLADE	Blade type	Straight-tilt	Angle	
		Dozing capacity	4.5 m³	4.3 m³	
		Efficiency (Theoretical value 40 m)	225 m³/h	225 m³/h	
		Blade width	3388 mm	3970 mm	
		Blade height	1149 mm	1090 mm	
		Maximum drop below ground	540 mm	530 mm	
		Maximum tilt adjustment	400 mm	-	
	RIPPER (OPTIONAL)	Maximum digging depth of 3-shank ripper	572 mm		
		Maximum lift above ground	592 mm		
		Weight of 3-shank ripper	1709 kg		

OVERALL DIMENSIONS: STRAIGHT-TILT BLADE

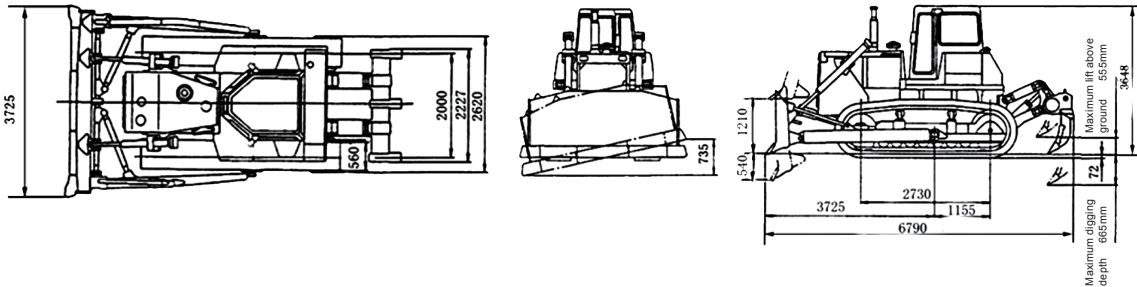


SD22 CE

Minimum ground clearance: 405 mm	Minimum turning radius: 3.3 m
Operating weight: 23.5 t	Gradeability: 30°
Ground pressure: 0.077 MPa	Track gauge: 2000 mm








	ENGINE	Model & type	Cummins QSNT C261; In-line,water cooled 4-stroke turbocharged diesel air to air-cooled electronic control engine conform Euro Stage IIIA emission standards			
		Rated revolution	1800 rpm			
		Rated power	175 kW			
		Cylinder number-bore	6-140 x 152 (mm x stroke)			
		Piston displacement	14 L			
		Max. fuel consumption	222 g/kW-h			
	POWER TRANSMISSION SYSTEM	Torque converter	3-element, 1 stage, 1 phase			
		Transmission	Planetary gear, multi-disc clutch, power shift, 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 band, foot brake with hydraulic booster			
		Final drive	2-stage speed reduction of spur gear, splash lubrication			
	TRAVEL SPEED	Gear	1st	2nd	3rd	
		Forward	0~3.6 km/h	0~6.6 km/h	0~11.2 km/h	
		Reverse	0~4.3 km/h	0~7.7 km/h	0~13.2 km/h	
	UNDERCARRIAGE SYSTEM	Type	Swing type of sprayed beam, suspended structure of equalizer bar			
		Carrier rollers	2 each side			
		Track rollers	6 each side (single flange 4, double flange 2)			
		Track type	41 each side			
		Width of track shoes	560 mm			
		Pitch	216 mm			
	HYDRAULIC SYSTEM	Maximum pressure		21 MPa		
		Pump type		Gear pump		
		Discharge (at revolution of 2000 rpm)		190 L/min		
	BLADE	Blade type	Straight-tilt	Angle	Semi-U blade	U Blade
		Dozing capacity	6.4 m³	4.7 m³	7.0 m³	7.5 m³
		Blade width	3725 mm	4365 mm	3725 mm	3800 mm
		Blade height	1315 mm	1055 mm	1374 mm	1343 mm
		Maximum drop below ground	540 mm	635 mm	540 mm	540 mm
		Maximum tilt adjustment	735 mm	500 mm	755 mm	755 mm
	RIPPER (OPTIONAL)	Maximum digging depth of Three shank ripper			665 mm	
		Maximum lift above ground			555 mm	
		Weight of Three shank ripper			2900 kg	
		Maximum digging depth of Single shank ripper			695 mm	
		Maximum lift above ground			515 mm	
		Weight of Single shank ripper			2500 kg	

OVERALL DIMENSIONS: STRAIGHT-TILT BLADE

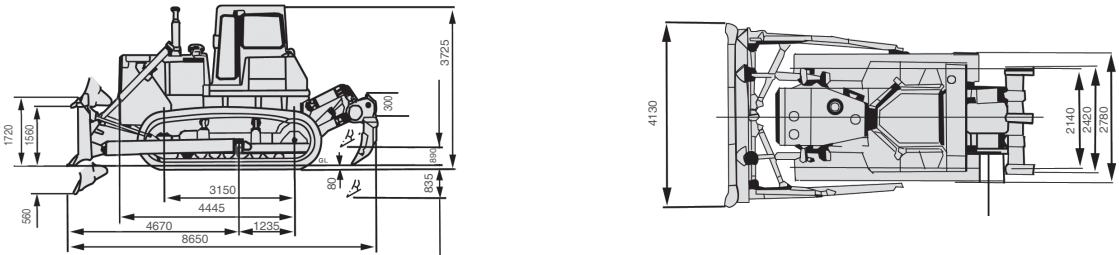


SD32 CE

Minimum ground clearance: 500 mm	Minimum turning radius: 3.8 m
Operating weight: 37.2 t	Gradeability: 30°
Ground pressure: 0.105 MPa	Track gauge: 2140 mm

	ENGINE	Model & type	Cummins QSNT C345; In-line,water cooled 4-stroke turbocharged diesel air to air-cooled electronic control engine conform Euro Stage IIIA emission standards		
		Rated revolution	2000 rpm		
		Rated power	257 kW		
		Cylinder number-bore	6—140 x 152 (mm x stroke)		
		Piston displacement	14 L		
		Min. fuel consumption	213 g/kW-h		
	POWER TRANSMISSION SYSTEM	Torque converter	3-element, 1 stage, 1 phase		
		Transmission	Planetary gear, multi-disc clutch, power shift, 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 band, foot brake with hydraulic booster		
		Final drive	2-stage speed reduction of spur gear, splash lubrication		
	TRAVEL SPEED	Gear	1st	2nd	3rd
		Forward	0~3.6 km/h	0~6.6 km/h	0~11.5 km/h
		Reverse	0~4.4 km/h	0~7.8 km/h	0~13.5 km/h
	UNDERCARRIAGE SYSTEM	Type	Swing type of sprayed beam, suspended structure of equalizer bar		
		Carrier rollers	2 each side		
		Track rollers	7 each side (single flange 5, double flange 2)		
		Track type	41 each side		
		Width of track shoes	560 mm		
		Pitch	228.6 mm		
	HYDRAULIC SYSTEM	Maximum pressure	14 MPa		
		Pump type	Gear pump		
		Discharge (at revolution of 2000 rpm)	355 (1795 rpm) L/min		
		Bore of working cylinder × no. (double-acting type)	140 mm × 2		
	BLADE	Blade type	Straight-tilt	Angle	Semi-U blade
		Dozing capacity	10 m³	6 m³	11.9 m³
		Efficiency (Theoretical value 40 m)	580 m³/h	350 m³/h	690 m³/h
		Blade width	4130 mm	5000 mm	4130 mm
		Blade height	1590 mm	1140 mm	1710 mm
		Maximum drop below ground	560 mm	630 mm	560 mm
	RIPPER (OPTIONAL)	Maximum digging depth of 3-shank ripper	842 mm		
		Maximum lift above ground	883 mm		
		Weight of 3-shank ripper	3802 kg		
		Maximum digging depth of single ripper	1250 mm		
		Maximum lift above ground	965 mm		
		Weight of single ripper	3252 kg		

OVERALL DIMENSIONS: STRAIGHT-TILT BLADE



DOZER PARTS AND COMPONENTS

A key element in **Shantui Value**

How Shantui's dominant position in the production of all types of parts and components for construction machinery adds up to more **VALUE** for you.

Shantui actually makes its own structural parts, including arms, tracks, undercarriages, roller sets, buckets, and also makes its own transmissions, torque converters and much more for a wide range of construction machinery products.

Unlike most competitors in China, Shantui doesn't just assemble machines—we build them from scratch. Many of Shantui's competitors in China and around the world—are also its customers when it comes to parts. It's one more reason why Shantui delivers better value in its finished products.

SHANTUI PARTS WITHSTAND STRESS—SO YOU DON'T HAVE TO!

Shantui manufactures many of our lines' structural parts—undercarriage, tracks, buckets, roller sets, torque converters, transmissions and more—in house.

That means better quality control for our bulldozers and a better price for you.

Parts and components—The Shantui Way.



Easy installation.

Simple design makes for easy cleaning, mounting and dismounting of the main links, assuring reliability and high endurance.

High-temp, inductive hard surfaces ensure the best strength and superior wear-resistance.

Crack-proof.

When the bushing material is cold extruded, the steel fibers in it are evenly distributed. Carburization then ensures sufficient core hardness and wear-resistance of the surface.

Strength.

Special heat treatment and quenching ensures the strong wear-resistance of the pin shaft for anti-bump, anti-stress and consistent strength, which is critical to the process.

All-around adaptability.

Track shoes include single-tooth, double-tooth, as well as swamp type, to meet all varieties of work conditions, with strong wear-resistance and enduring performance.

Transmissions.

At Shantui, we make our own transmissions for our many lines. This is a key component in our vertical integration, further contributing to our trademark value proposition.



OUR GLOBAL SALES AND SERVICE NETWORK

Shantui's global sales and service network now covers more than 120 countries and territories around the world.

Shantui made history in China with its Anytime, Anywhere Service. Today, Shantui is extending that pledge around the world. Wherever Shantui products are sold, our service network offers local training, a mature parts delivery system and superlative service.

THAT'S THE SHANTUI WAY!

Today Shantui value-Value That Works—can be found in a broadly diversified product line that includes the mighty bulldozer as well as pipe layers, rollers, compactors, graders, wheel loaders, excavators, concrete mixer trucks, concrete pump trucks, concrete pump trailers, truck-mounted line pumps and forklifts.

Contact your local Shantui distributor or dealer to learn more about the ways that Shantui brings value to a wide range of construction and concrete handling projects.



THE FIVE SHANTUI PRINCIPLES OF SERVICE

Service—The Shantui Way

1. A customer's time is precious.

We get it! Time is money. Shantui's service team puts you the customer first. We're committed to resolve all your machinery problems quickly. With the support of more than 70 dealers and 20 offices distributed around the world, Shantui has a complete after-sales service network and an unparalleled array of service equipment. With a team of more than 300 service engineers, a special hotline and a computer ERP information management system, we're committed to meet and exceed your service expectations.

2. Create customer value

You purchase Shantui products to earn profit and obtain value. Our service people bring comprehensive service abilities to each customer and guide you in mastering the

operation, maintenance and repair of Shantui machines. We work with you so Shantui products work for you!

3. "Shantui service, anytime, anywhere"

Our goal: To make Shantui service a reality—anytime and anywhere.

4. It's all about you!

Centered on customer needs, Shantui has developed training programs, a technical enquiry system, customer visits, key project special services (free special coating service, on-site service, extended on-site service), so you know you've purchased not only a machine, but a complete service network.

5. Proactive service

Shantui service is proactive in all customer dealings. We come to your work site quickly and provide thorough, timely and quick service to save time and create value for you. That's The Shantui Way.