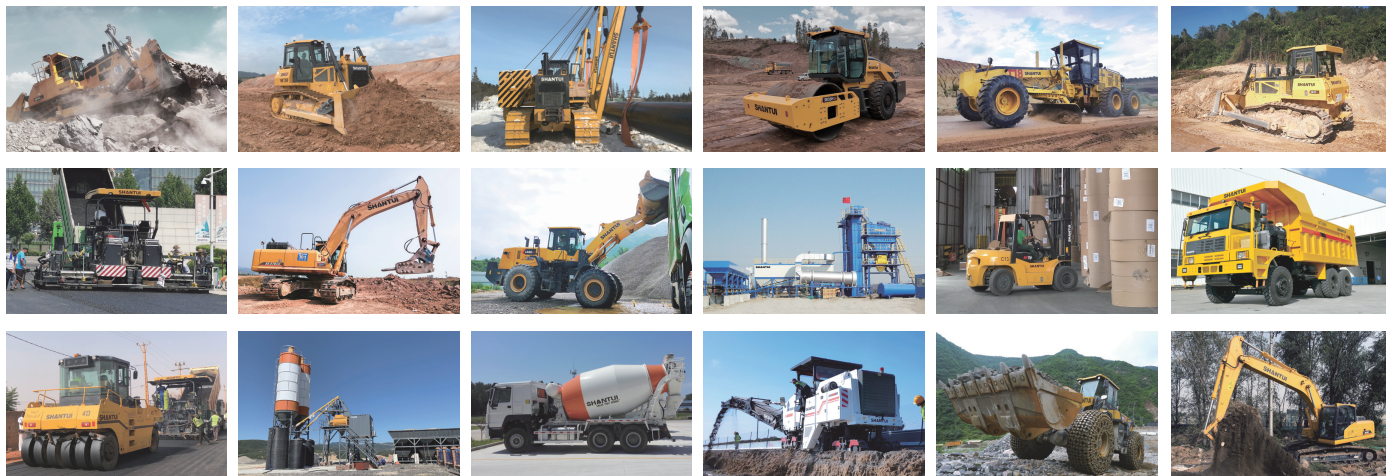




TOGUNA Motors

LET'S MAKE CONSTRUCTION EASIER

GROUP PRODUCTS



Shantui Social

SHANTUI
LET'S MAKE CONSTRUCTION EASIER

SHANTUI

DH46-C3
Crawler Dozer



Engine Model: Cummins QSX 15 Tier III
Gross Power: 380kW(510 HP)/1800 rpm
Operating Weight: 56,200kg

Linde Hydrostatic Travel Drive
electronic control

| DH46-C3 CRAWLER DOZER



| Best-in-class performance

Cummins QSX15 engine makes it easy to doze and crack soil.

| Reliability & durability

From the mainframe to the undercarriage, all of the work units are designed to create a performance monster.

| Cost-saving

Save fuel, save maintenance & repair costs and usage costs.

| Comfort

The spacious hexahedral cab, with lower noise, is safe and dust-proof and is comfortable to drive.

| Easy service access

Easy service access and tilt-cab make the maintenance points within reach.

LET'S MAKE CONSTRUCTION EASIER

■ Shantui DH46-C3 hydrostatic dozer is the latest large crawler bulldozer developed by Shantui. Cummins QSX15 engine, with Linde hydrostatic drive system and durable final drive, gives you excellent fuel efficiency and the most power-dense drive train. Low failure rate brings long service life. The power mode selection function, travel mode selection function, slip control function, favorite speed preset, automatic idle, automatic fault protection and other functions make the machine to be an intelligent beast. The traveling and working equipment are both controlled by a single handle, making it easy and precise to control. The K-type floating track roller system is conducive to maintaining the driving force and reducing the vibration of the machine under rugged ground conditions. Strong front and rear working equipment enable the machine to meet the requirements of severe construction environments such as mine sites and large earthmoving projects. Shantui WISE hydrostatic drive control system enables the machine to deliver strong power with good fuel economy.

■ DH46-C3 design is based on Shantui latest C3-series hydrostatic drive technology platform, which is fully in line with the international first-class standard and is the perfect choice for mining and heavy constructions. The dozer also has a remote control interface to be quickly configured with wireless or 5G remote control system to meet different needs.

SPECIFICATIONS

SHANTUI

ENGINE

Cummins Diesel engine	QSX15 Emission regulations according to 97/68/EC, 2004/26/EC Stage III, EPA/CARB Tier 3
Rated power (net)	
ISO 9249	343 kW / 460 HP
Maximum power (net)	
ISO 9249	380 kW / 510 HP
Rated speed	1,800 rpm
Displacement	15.0 l / 915 in ³
Design	6 cylinder in-line engine, water-cooled, turbocharged, air-to-air intercooler
Injection system	Direct fuel injection, electronic control unit pump
Lubrication	Pressurised lube system, engine lubrication guaranteed for inclinations up to 30°
Operating voltage	24 V
Alternator	100 A
Starter	8.5kW / 11.4HP
Batteries	4 x 75 Ah / 12 V
Air cleaner	Dry-type air cleaner with pre-cleaner, main and safety elements, control light in the operator's cab
Cooling system	Combi radiator, comprising radiators for water and charge air. Hydrostatic fan drive

TRAVEL DRIVE, CONTROL

Transmission system	Infinitely variable hydrostatic travel drive, independent drive for each track
Travel speed	Continuously variable
Forward and reverse	0 – 11.0 km/h / 6.8 mph Travel speed ranges can be set on the travel joystick (speed preset function)
Electronic control	The electronic system automatically adjusts travel speed and drawbar pull to match changing load conditions
Steering	Hydrostatic
Service brake	Hydrostatic (self-locking), wear-free
Parking brake	Multi-disk brake, wear-free, automatically applied with neutral joystick position
Cooling system	Hydraulic oil cooler integrated in combi radiator, hydrostatic fan drive
Filter system	Micro cartridge filters in replenishing circuit*2
Final drive	Combination spur gear with planetary gear, double-sealed (duo cone seals),
Control	single joystick for all travel and steering functions.

HYDRAULICS

Hydraulic system	Load sensing (demand-controlled)
Pump type	Swash plate piston pump
Pump flow max.	301 l/min. / 79.5 gpm
Pressure limitation	260 bar / 3771 psi
Control valve	2 segments, expandable to 4
Filter system	Return filter in hydraulic oil tank
Control	One joystick for all blade functions one joystick for all ripper functions

OPERATOR'S CAB

Cab	Resiliently mounted cab with, can be tilted with hand pump 43° to the rear. With integrated ROPS and FOPS.
Operator's seat	Air-suspended comfort seat, fully adjustable, belt-warning, cushion heater
Monitoring	Touch screen: display of current machine information, automatic monitoring of operating conditions. Individual setting of machine parameters

UNDERCARRIAGE

Design	Undercarriage with K-bogie suspension
Mounting	Via separate pivot shafts and equalizer bar
Track chains	Lubricated, single-grouser shoes, tensioning via a steel spring and grease tensioner
Links, each side	40
Track rollers, each side	7
Carrier rollers, each side	2
Sprocket segments, each side	2*6 teeth+3*5teeth
Track shoes, standard	610 mm / 24"
Track shoes, optional	660mm/26"

REFILL CAPACITIES

Fuel tank	880 l / 232.5 gal
Cooling system	73l / 19.3 gal
Engine oil, with filter	49 l / 12.9 gal
Hydraulic tank	240 l / 63.4 gal
Final drive, each side	42 l / 11.1 gal

DRAWBAR PULL

Max.	730 kN / 164,110 lbf
at 1.5 km/h / 0.9 mph	585 kN / 131,513 lbf
at 3.0 km/h / 1.9 mph	322 kN / 72,388 lbf
at 6.0 km/h / 3.7 mph	169 kN / 37,993 lbf
at 9.0 km/h / 5.6 mph	105 kN / 23,605 lbf

SOUND LEVELS

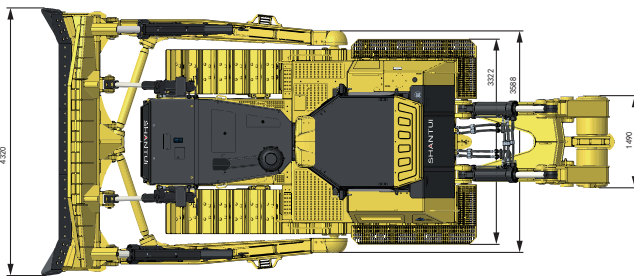
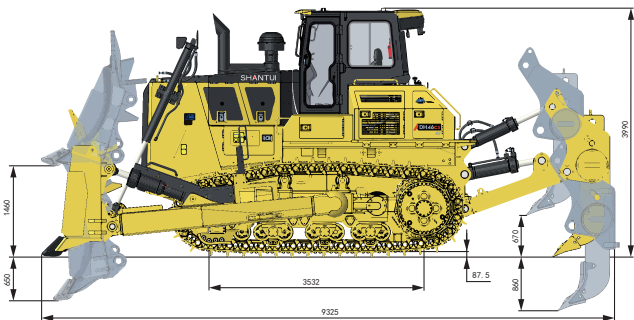
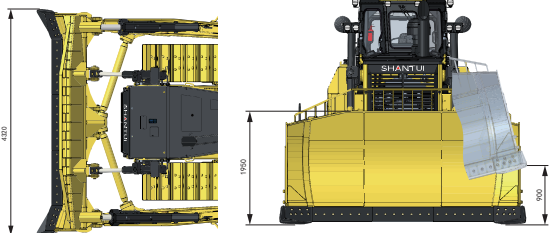
Operator sound exposure ISO 6396	
LpA (in the cab)	82 dB(A) (for now)
Exterior sound pressure 2000/14/EC	
LWA (to the environment)	111 dB(A)

DIMENSIONS

A	Height over cab	mm	3990
		ft in	13'1"
B	Overall length without attachments	mm	5470
		ft in	17'11"
C	Length of track on ground	mm	3532
		ft in	11'7"
D	Height of grousers	mm	87.5
		ft in	0'3"
H	Ground clearance	mm	680
		ft in	2'3"
E	Track gauge	mm	2260
		ft in	7'5"
G	Width over trunnions	mm	3340
		ft in	10'11"
F	Track shoes 610 mm / 24"		
	Width over tracks	mm / ft in	2,870 / 9'5"
F	Track shoes 660 mm / 26"		
	Width over tracks	mm / ft in	2,920 / 9'7"
F	Track shoes 710 mm / 28"		
	Width over tracks	mm / ft in	2,970 / 9'9"

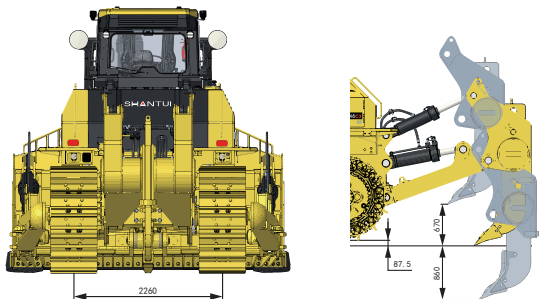
FRONT ATTACHMENTS: SEMI-U BLADE

	Blade capacity, ISO 9246	m ³	13.7
		yd ³	17.9
A	Height of blade	mm	1950
		ft in	6'5"
B	Width of blade	mm	4320
		ft in	14'2"
C	Lifting height	mm	1460
		ft in	4'9"
D	Digging depth	mm	650
		ft in	2'2"
E	Blade pitch adjustment		±6°
	Max. blade tilt	mm	900
		ft in	2'11"
G	Width over push frame	mm	4116
		ft in	13'6"
H	Overall length, blade straight	mm	7085
		ft in	23'3"
H1	Overall length, with rear ripper in max. extended position	mm	9325
		ft in	30'7"
	Track shoes 610 mm / 24"		
	Operating weight	kg / lb kg/cm2 / psi	56,200 / 123,899
	Ground pressure		1.30 / 18.8



REAR ATTACHMENTS: SHANK RIPPER

	Parallelogram		Hydraulic pitch adjustment
A	Ripping depth (max. / mid. / min.)	mm	1,204/860/516
		ft in	3'11"/2'10"/1'8"
B	Lifting height (max. / mid. / min.)	mm	1,014/670/326
		ft in	3'4"/2'2"/1'1"
C	Additional length, attachment raised	mm	2675
		ft in	8'9"
D	Additional length, attachment lowered	mm	3190
		ft in	10'6"
E	Overall beam width	mm	1490
		ft in	4'10"
	Distance between shanks	mm	–
		ft in	
	Max. pitch adjustment		29°
	Maximum penetration force	kN	168
		lbf	37768
	Max. pryout force	kN	342
		lbf	76885
	Weight(with cylinders)	kg	4705
		lb	10373



* 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.