

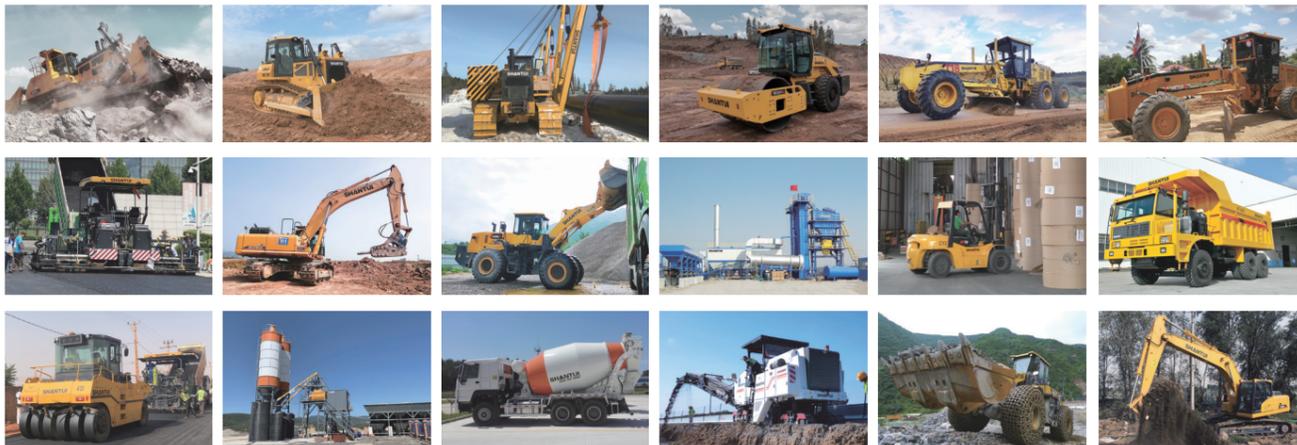
SHANTUI

DH-M SERIES

Crawler Dozer

LET'S MAKE CONSTRUCTION EASIER

GROUP PRODUCTS



Shantui Social

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SHANTUI
LET'S MAKE CONSTRUCTION EASIER

Welcome to Shantui! Home of Value That Works

HOW DO YOU SAY 'DOZER' 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 dozers.

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 dozer 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 'dozers' 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 dozers!

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 dozers 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 dozers 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 dozer shares a common trait:

WE CALL IT VALUE THAT WORKS.



SHANTUI—VALUE THAT WORKS!

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

- Get-the-job-done design. Shantui dozers 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 dozers are consistently heavier and more stable than the other guys' dozers.

- Shantui dozers, Shantui parts. Shantui manufactures all our dozers' structural parts—undercarriage, tracks, buckets, roller sets, torque converters, transmissions and more—in house. That means better quality control for our dozers 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 dozer—a complete line of more than 20 dozer types and sizes including models with engines that meet Tier 4 final/Euro Stage 4 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.

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



High value and lower machine cost.



High value and lower machine cost.

The M series crawler dozer is the latest generation hydrostatic-drive dozer from SHANTUI. Built of the the superiorities of the J series dozer, while using EPA Tier 4f/EU Stage V engines, state-of-art technologies such as adjustable work-mode and grade assist, the new K series dozer becomes more powerful and intelligent, give you more productivity with less fuel consumption. K series dozer can be used in landscape, municipal engineering, earth-moving, grading, logging and many other applications.

- Powerful, efficient and economic performance
- Precise intelligent control system
- Comfortable and safe operating environment
- Easy access and serviceability
- Blade and rear attachments

I Powerful, efficient and economic performance

To give our customers more value, we focused on the crucial characteristic of efficiency, economy, intelligence and environmental-protection when designing the K series dozers. With FPT NEF series diesel engines and dual hydrostatic driving systems that are automatically controlled by an intelligent, well harmonized program, the K-series dozers have excellent performance while consuming minimal fuel. Whether your working with heavy loads or delicate precise dozing operations, the K-series dozers can do the job to your needs.

OPTIONAL WORK MODES

STANDARD MODE:

a balance between power and economy;

POWER MODE:

provides higher power, use with heavy load conditions;

ECONOMY MODE:

engine usually operates at lower-speed range, fuel consumption is reduced by up to 20 percent; engine speed can automatically rise when more power is needed. Use this mode with medium-load conditions.

ASSISTANT GRADING SYSTEM

*Helps the operator achieve the wanted slope rapidly and accurately with less back and forth while doing fine grading, improving work quality and efficiency.

*The blade angle and tilt are displayed on the monitor in real time to help the operator know the current blade condition, allowing the best blade-control operation.

Intelligent hydrostatic transmission system

PRECISE CONTROL AND HIGH OVERALL EFFICIENCY ARE THE MAIN CHARACTERISTICS OF OUR HYDROSTATIC TRANSMISSION SYSTEM.

*Smooth starting process, no harsh impact when shifting, steering or reversing.

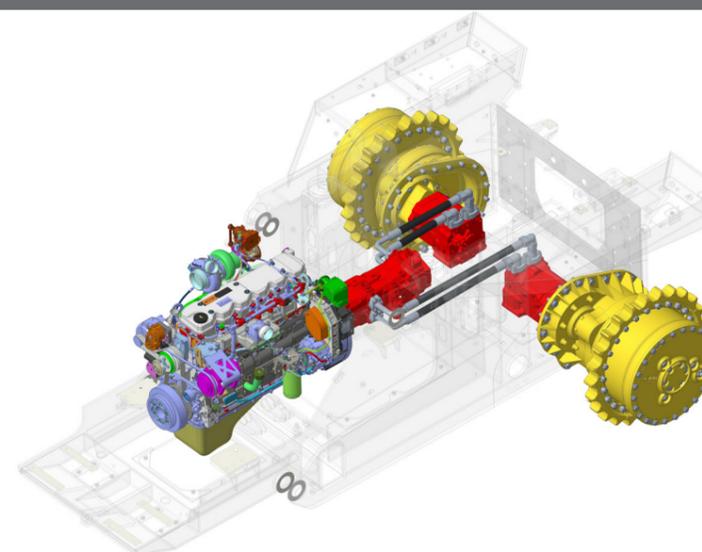
*From zero to maximum the speed is smooth infinitely variable. The operator only needs to set the maximum required speed, the control program will adjust the displacement of the hydraulic drive motor and/or pump automatically to prevent the engine from being overloaded. For different work conditions, the dozer can adjust itself to a suitable speed automatically. These features can increase productivity and reduce the fuel consumption.

*Speed and running direction of both side track can be controlled individually, so you can turn and counter turn the dozer in any direction. Power turns with load can also be achieved, allowing the operator to operate with more flexibility and efficiency when working in a narrow environments.

▶ Intelligent hydrostatic transmission system

Precise control and high overall efficiency are the main characteristics of our hydrostatic transmission system.

Linde controllers of the Wise-series are determined through their robust mechanical and electrical designing. Key components are the function and safety controller. Wise controllers are used standalone or in combination for electro-hydraulic systems. Beside the hydraulic components a variety of control inputs such as joysticks, pedals as well as the combustion engine and safety switches can be included in the overall control concept. Through economic operation modes and increased user friendliness a better power utilization as well as reduced fuel consumption and emissions can be achieved.



DiagSmart

DiagSmart Software for set up and diagnostics.

Characteristics

- compatible with Linde Hydraulics electronic controls
- suited for PC /laptop with Windows operating system with serial or USB interface
- operated by mouse, key or pad
- diagnostics
- documentation and reporting
- harness checking
- parameterization
- "Teach in" of components
- data logger
- electronic box restorable to factory setting

Product advantages

- optimum system usage by teach-in function
- error prevention through continual comparison and documentation of the variance
- user-friendly software up-dating ("flashing")
- easy usage by self-explanatory user surface
- large letters and buttons offer optimum use even with the machine running
- self-adapting screen size
- multi-lingual, up to 10 languages can be programmed
- documentation exportable into MS Office
- practical-minded partition of control elements by functional groups
- modular set-up: individual functions can be added optionally later

I FPT electronic control diesel engine

FPT has leading experience in production design with heavy diesel engine manufacturing. Their NEF series engines have many reliable technologies such as an integrated turbocharged, direct injection with air-to-air aftercooling. FPT NEF series engines achieve the EPA Tier 4 Final / EU Stage V emissions standards to minimized noise and vibration, with excellent performance, fuel economy and durability.



Increase vehicle productivity due to better transient response

No additional turbocharger's complexity, but performance in line with FPT industrial competitors

Low operating costs due to low engine wear and long maintenance intervals (up to 600h depending on the working environment)

Lean engine design and state-of-the-art HI-eSCR after-treatment system provides flexibility for easy installation

Lean technology improving durability and reliability

No additional cooling system requirements compared to the Tier 3 & Tier 4i models

CUMMINS electronic control diesel engine



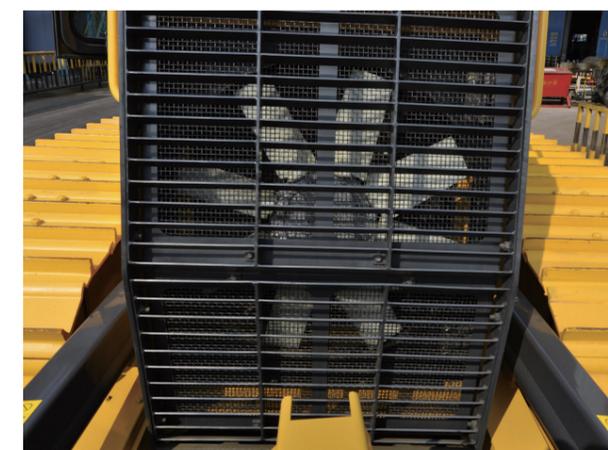
For equipment manufacturers, the Cummins Tier 4 Final / EU Stage V package provides a fully integrated air-intake-to-exhaust aftertreatment system designed to minimize space and maximize output.

For optimized performance Cummins uses a combination of different Tier 4 Final / Stage V Technologies across different power bands, ensuring the best result for every application. The technology approach is incremental, where the right usage of diesel oxidation catalyst, selective catalytic reduction or diesel particulate filter technology allows Cummins to meet these stringent standards whilst delivering performance and packaging benefits to the customer.

Cummins has vast experience in exhaust aftertreatment, with all solutions designed and built in house by Cummins Emission Solutions. Knowledge and experience with the diesel particulate filter positions Cummins well for any future emissions regulations which would most likely call for particulate level counting.

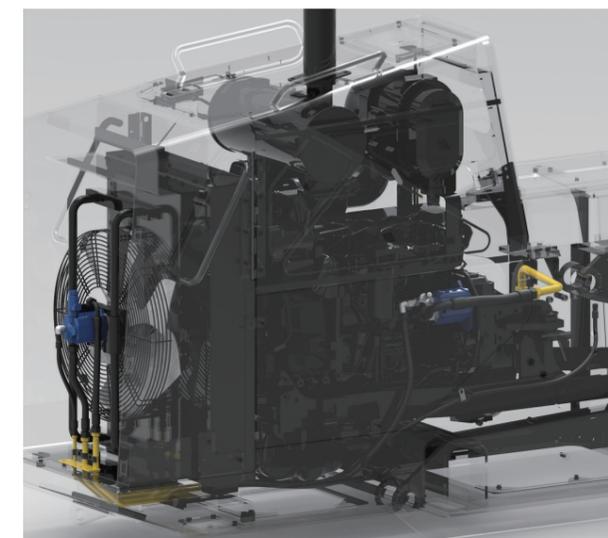
Integrated aluminum heat exchanger

K-series dozers heat exchangers use large fin spacing design which prevents the accumulation of dust, and improves cooling efficiency and durability. The heat exchanger is installed behind a high heavy-duty grill which protects it from being damaged while dozing.



Hydraulic fan system

The cooling fan is driven by a hydraulic motor which controls the fan speed. The fan speed is adjusted automatically by an electronic intelligent control program based on the temperature of engine inlet coolant, engine intake air and hydraulic oil. The higher the temperature the higher the fan speed. The fan always rotates at the minimum needed speed. Compared with the traditional belt-drive fan, the hydraulic fan system consumes less power which greatly improves fuel efficiency and at the same time, fan noise is reduced because of lower fan speed. An optional hydraulic reversing fan offers automatic or manual modes for changing direction to blow debris out of the radiator cores.



I Precise intelligent control system

K-series dozers use state-of-the-art intelligent control and display systems to provide the optimal interaction with the operators. It's so convenient, only simple manipulation is required for efficient operation, the operator can just go to work with no need for extra costs for additional training. The steering and blade are each controlled by their own joystick. The engine speed decelerator pedal and brake function are integrated by one foot pedal. Blade response rate, steering response rate and the deceleration modes can be set by the operator for his preference anytime during operation. These intelligent control functions gives more productivity and more comfortable operation experiences.

HAND-CONTROL SYSTEM

The left-hand joystick is used to steer the machine in any directions and move the machine forward or reverse. The thumb wheel is used to shift the machine speed to high or low speeds. The speed pre-set button and horn button is located at the top side of the joystick. The right-hand joystick is used to control the blade position; up, down, float, tilt and angle. Both joysticks are ergonomic designed for the most comfortable operation experience while still providing efficient output.

INTEGRATED FOOT PEDAL

Engine deceleration and brake function are integrated on one pedal. Pedal modes are optional and the operator can easily choose both the pedal modes through a program on the display.

- *Deceleration mode: Depress the pedal to decrease the engine speed and at the same time the machine speed will decrease, when the pedal is fully depressed the brakes function will engage and the machine will stop.
- *Transmission mode: Depress the pedal to decrease the machine speed, but the engine speed will remain constant, depress the pedal fully to engage the brake function. Under this mode, the dozer will still have enough power when the machine speed is decreased.



MULTI-MODE CONTROL SYSTEM

With multi-mode control system, the operator can set the control mode of many functions to his preference of operation through an interactive monitor. This system will bring you more productivity with comfortable operation.

- *Steer mode: The three steering modes are aggressive, standard and gentle. Under these different modes, the dozer has different response ratios to the steering joystick operation.

ADDITIONAL SAFETY CONTROL FUNCTIONS

- *Load-sensing seat, the dozer will stop automatically and all operation functions will stop, if the operator leaves the seat, his will assure safety.
- *The brake function will be automatically engaged three seconds later, when the left joystick for travelling and steering is put in the neutral position.
- *Optional rear-facing camera is available as an optional appliance instead of a rear view mirror. The operator can observe a clearer and instinctive view about the rear condition of the machine during operating through a LCD screen.





I Safe and Comfortable operating experience

With ergonomics in mind, the K Series' cabs provide a friendly and comfortable environment for operators, reducing fatigue when operating for a long time, helping you work more efficiently and productively.

*The spacious cab offers all-day comfort with wide door openings and large door windows which give excellent visibility to the blade, curbs and tight spaces too help operators to work more precisely. The one-piece cab structure is integrated with the ROPS / FOPS for operator safety and has high rigidity and superb sealing performance which greatly reduce noise and vibration for the operator and minimize dust entering the cab. Retractable seat belt, slip resistant floor mat and convenient grab handles assists the operator safety.

*Comfortable fabric, high-back air-suspension seat with adjustable head and back rests are standard. The bottom seat cushion has multi-way adjustments. The seat is for all day operator comfort for operator support. Optional electric heated seats are available. Separate leather-bolstered arm rests with height and angle adjustments are fitted for operator comfort.



*An AM/FM/MP3 radio which includes an USB and multimedia interface is standard. The cab also has a 12-volt electrical outlet for powering a mobile phone.



*The dash is fitted with a high resolution 7 inch large color intelligent LCD instrument display with anti glare full color screen. The friendly interface developed by Shantui can accurately read real time system temperatures, pressures, forward and reverse directions and speeds. Different languages preferences and a choice of metric and SAE settings can be selected. Easy to read gauges keep you informed of system conditions. The function keys simplify multi-functions to conveniently inform you at any time you need the machine information.



*Highly efficient air conditioning system has numerous directional outlet vents to keep the view clear and the cab comfortable. The rotary control panel is convenient to operate.



I Blade and rear attachments

Selecting the appropriate attachments will bring higher output to the machine. The Variable Power Angle Tilt blade (VPAT) is standard with all K series dozers. Optional attachments are three-shank parallelogram ripper, winch or drawbar. A dual control package makes it simple to utilize either a ripper or winch. Ask your SHANTUI dealer for available options to help you optimize your machine for the correct options.



*Rigid and reliable drawbar is a standard configuration to meet your various dragging demands.



*Four forward and two rear high-intensity halogen work lights are positioned high for nearly 360 deg superior illumination to extend your workday beyond daylight.



*Three-shank aggressive parallelogram ripper lets you do more productive ripper work. The parallel linkage design provides better penetration and maneuverability in tight working areas.



*Hydrostatic winch can be used for self rescue, equipment recovery, logging, or other maneuvers. The SHANTUI hydrostatic winch features excellent line pull at any speed and infinitely variable drum speed.



*For landfill work, anything that could be susceptible to damage has been sealed, rerouted, or reengineered to help deliver the productivity and ensure maximum uptime.

PURPOSE-BUILT TO IMPROVE PRODUCTIVITY AND DURABILITY, SHANTUI VPAT FEATURES:

- *Rugged, Variable Pitch Angle Tilt (VPAT) blade allows you to hydraulically adjust lift, angle and tilt for precise results. For different working conditions, a broad choice of track shoe designs and widths help you further optimize your machine for performance and longer life.
- *Closed-cell blade design and fabricated, box-section C-frame provides maximum torsional stiffness and optimal absorption of forces. And using wear-resisting material in front of the blade can prolong the durability and reliability.
- *Cutting edge angles and blade moldboard geometry are designed to provide exceptional balance between fine/light dozing and aggressive heavy material movement.
- *Using wear-resisting material, cutting edges can be used twice to save cost by exchanging opposite parts.
- *Cylinder guards keep hydraulic hoses and cylinders out of danger.

I Easy access and serviceability

Preventative maintenance is the best way to ensure long running life from your equipment. That's why SHANTUI designed the K series with conveniently located maintenance points and self-diagnostic functions to make necessary inspections and maintenance quick and easy.

*We provide clear and easy-to-understand instructions and process to help you make maintenance and repair more easily.

*Hinged engine side shields swing open wide for convenient access to dipsticks, fill tubes, batteries, master electrical shutoff, the backside of the cooler, and engine, transmission, and hydraulic filters. Vertical filters allow quick, no-spill changes.

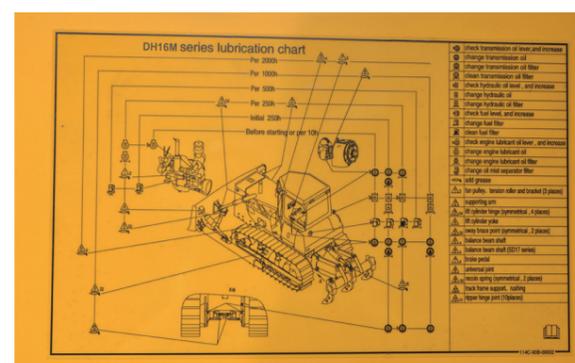
*All the filters' operation and status of engine, hydraulics, and transmission are indicated with wise and on-screen displays. The diagnostic monitor also provides easy-to-understand messages that help speed troubleshooting.

*Grouped pressure taps for quick testing and troubleshooting of the hydraulic system. Clear identification brings convenience of troubleshooting and helps reduce downtime.

*Modular design allows the components to be easily accessed, removed and installed without spilling oil. This can further help reduce downtime and enhance serviceability.

*High-speed rotation, high temperature and other hazardous components are designed with shields, insulation boards, or insulation sets; automatic parking braking function, handrails and anti-skid pedals ensure your complete safety during operating and maintenance. Speakers, reversing alarm, fluorescent signs and clear machine painting, effectively help protect the safety of external personnel and enhance the security of all-weather operations.

*Our service network provides excellent standard services and extended service options, after-sales service through our training agents and professional engineers for your equipment to provide uninterrupted technical support.

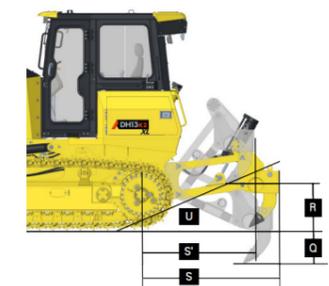


ENGINE		
Model	FIAT N45	
Emission	EPA Tier4 Final / EU Stage V	
Rated revolution	2200rpm	
Gross power	125 kW(167hp)	
Net power	105 kW(140hp)	
Number of cylinder-bore × stroke	4-104 mm-132 mm	
Displacement	4.5L	
Max. torque	710 Nm/1500 rpm	
Cooling system	Smart hydraulic control	
DRIVE SYSTEM		
Drive system	Independent dual-circuit electric control hydrostatic drive, intelligent matching of speed-load	
System overflow pressure	42500 KPa	
Traveling Forward speed	0~10 km/h	
Reverse speed	0~10 km/h	
Max. theoretical traction force	212 kN	
Steering	Independent drive of track at both sides to ensure the full power output for pivot steering and steering with load	
Brake	Regular closed multi-disk brake	
Final drive	Primary spur gear + primary planetary reduction	
UNDERCARRIAGE		
	XL	LGP
Type	Pivot + balance beam semi-rigid suspension structure	
Track shoe type	Single grouser	
Track gauge	1930 mm	2150 mm
Width of track shoe	560 mm	760 mm
Track grounding length	2640 mm	
Track grounding area	29568 cm ²	40128 cm ²
Number of track shoe	40 pcs/single side	
Grounding pressure	46.3 kPa	35.6 kPa
Number of carrier roller	2 pcs/side	
Number of track roller	7 pcs/side	
Pitch	190 mm	
Minimum turning radius	3468 mm	3543 mm
VOLUME		
Fuel capacity	263 L	
Coolant liquid capacity	29 L	
Engine oil capacity	11 L	
Hydraulic oil tank	66 L	
Final drive	19 L/Single side	
DEF capacity	43 L	
OPERATING WEIGHT		
	XL	LGP
Operating weight (Traction frame)	13700 kg	14300 kg
Operating weight (Ripper)	14900 kg	-
Operating weight(Winch)	14700 kg	15300 kg
BLADE		
	XL	LGP
Blade type	PAT	PAT
Blade capacity	3.0 cu.m	3.36 cu.m

DIMENSION		XL	LGP
A	Machine height	3043 mm	
B	Track grouser height	50 mm	
C	Ground clearance	360 mm	
D	Machine length (with draw bar)	5010 mm	
E	Machine length (without draw bar)	4958 mm	
F	Max. lifting height of blade	950 mm	
G	Max. digging depth of blade	460 mm	
H	Digging angle of blade	55°±3°(deg.)	
I	Blade width	3300 mm	3680 mm
J	Blade height	1117 mm	
K	Max blade turning angle on ground	25°(deg.)	
L	Machine length when blade in max turning angle	2989 mm	3334 mm
M	Max tilt height of blade	498 mm	560 mm
N	Vertical distance from left track shoe outside to blade outside when blade in max turning angle	44 mm	6.5 mm
O	Track shoes outside width	2490 mm	2910 mm
P	Vertical distance from right track shoe outside to blade outside when blade in max turning angle	455 mm	417 mm

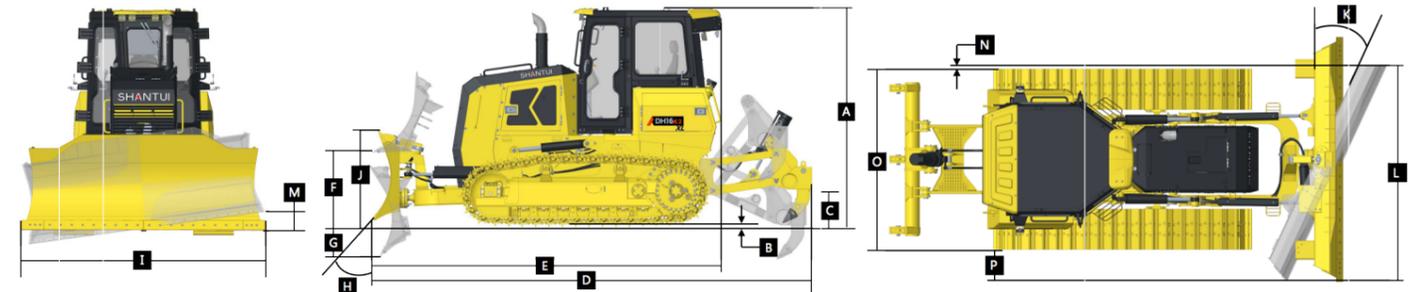


PARAMETER OF RIPPER(Three-shank ripper :1035 kg)		
Q	Max. ripping depth	500 mm
R	Max. lifting height	600 mm
S	Ripper length (at deepest ripping)	1530 mm
S'	Ripper width	1230 mm
T	Departure angle (at highest lifting)	1759 mm
U	Tilt angle(at highest point)	43°(deg.)
V	Ripping width	1696 mm
W	Distance between ripper teeth	800 mm
WINCH PARAMETERS(Hydraulic winch (H5C): 998 kg)		
	Diameter of steel rope	16 mm/ 19 mm/ 22 mm
	Maximum rope capacity of drum	128.9 m/ 90.8 m/ 65.5 m
	Maximum tension(Bare drum)	28190 kg
	Maximum tension(Full drum)	15190 kg
	Maximum speed of the rope(Bare drum)	13.6 m/min
	Length of winch	900 mm



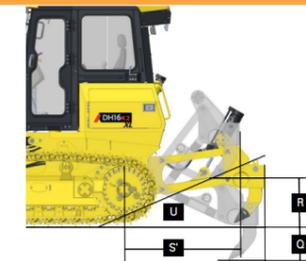
ENGINE		
Model	FIAT N67	
Emission	EPA Tier4 Final / EU Stage V	
Rated revolution	2100 rpm	
Gross power	142 kW(190hp)	
Net power	140 kW(187hp)	
Number of cylinder-bore × stroke	6-104 mm-132 mm	
Displacement	6.7L	
Max. torque	850 Nm/ 1400 rpm	
Cooling system	Smart hydraulic control	
DRIVE SYSTEM		
Drive system	Independent dual-circuit electric control hydrostatic drive, intelligent matching of speed-load	
System overflow pressure	42500 KPa	
Traveling speed	Forward	0~10 km/h
	Reverse	0~10 km/h
Max. theoretical traction force	230 kN	
Steering	Independent drive of track at both sides to ensure the full power output for pivot steering and steering with load	
Brake	Regular closed multi-disk brake	
Final drive	Primary spur gear + primary planetary reduction	
UNDERCARRIAGE		
	XL	LGP
Type	Pivot + balance beam semi-rigid suspension structure	
Track shoe type	Single grouser	
Track gauge	2040 mm	2350 mm
Width of track shoe	560 mm/610 mm	810 mm
Track grounding length	3075 mm	
Track grounding area	34440/ 37515 cm ²	49815 cm ²
Number of track shoe	43 pcs/single side	
Grounding pressure	50 kPa/ 45.9 kPa	36.9 kPa
Number of carrier roller	2 pcs/side	
Number of track roller	8 pcs/side	
Pitch	203 mm	
Minimum turning radius	3879 mm	4012 mm
VOLUME		
Fuel capacity	389 L	
Coolant liquid capacity	29 L	
Engine oil capacity	20 L	
Hydraulic oil tank	115 L	
Final drive	31L/single side	
DEF capacity	43L	
OPERATING WEIGHT		
	XL	LGP
Operating weight (Traction frame)	17665 kg	18830 kg
Operating weight (Ripper)	19190 kg	20375 kg
Operating weight(Winch)	19740 kg	-
BLADE		
	XL	LGP
Blade type	PAT	PAT
Blade capacity	3.22 cu.m	4.01 cu.m

DIMENSION		XL	LGP
A	Machine height	3180 mm	
B	Track grouser height	65 mm	
C	Ground clearance	370 mm	
D	Machine length (with draw bar)	5800 mm	
E	Machine length (without draw bar)	5545 mm	
F	Max. lifting height of blade	1028 mm	
G	Max. digging depth of blade	642 mm	
H	Digging angle of blade	55°-60°(deg.)	
I	Blade width	3300 mm	4011 mm
J	Blade height	1387 mm	1387 mm
K	Max blade turning angle on ground	24°(deg.)	
L	Machine length when blade in max turning angle	3020 mm	3664 mm
M	Max tilt height of blade	435 mm	528 mm
N	Vertical distance from left track shoe outside to blade outside when blade in max turning angle	-	38.5 mm
O	Track shoes outside width	2600 mm	3160 mm
P	Vertical distance from right track shoe outside to blade outside when blade in max turning angle	421 mm	466 mm



PARAMETER OF RIPPER(Three-shank ripper :1493kg)

Q	Max. ripping depth	572 mm
R	Max. lifting height	492 mm
S	Ripper length (at deepest ripping)	1785 mm
S'	Ripper width	1298 mm
T	Departure angle (at highest lifting)	2082 mm
U	Tilt angle(at highest point)	43°(deg.)
V	Ripping width	1900 mm
W	Distance between ripper teeth	950 mm

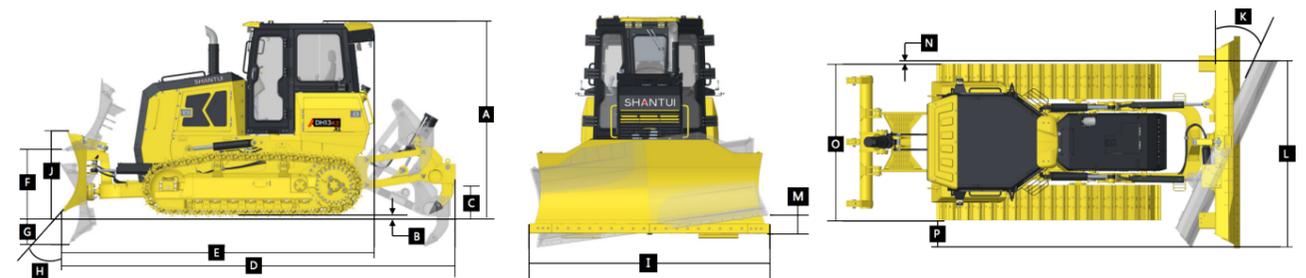


WINCH PARAMETERS(Hydraulic winch (H6H): 2138kg)

	Diameter of steel rope	22/25 mm
	Maximum rope capacity of drum	91/70 m
	Maximum tension(Bare drum)	40733 kg
	Maximum tension(Full drum)	23420 kg
	Maximum speed of the rope(Bare drum)	18 m/min
	Length of winch	1439 mm

ENGINE		
Model	Cummins QSL9	
Emission	EPA Tier4 Final / EU Stage V	
Rated revolution	2050 rpm	
Gross power	186 kW(249hp)	
Net power	160 kW(215hp)	
Number of cylinder-bore × stroke	6-114 mm-145 mm	
Displacement	8.9 L	
Max. torque	1085 N.m/ 1400 rpm	
Cooling system	Smart hydraulic control	
DRIVE SYSTEM		
Drive system	Independent dual-circuit electric control hydrostatic drive, intelligent matching of speed-load	
System overflow pressure	46500 KPa	
Traveling Forward speed	0~11 km/h	
Reverse speed	0~11 km/h	
Max. theoretical traction force	368 kN	
Steering	Hydraulic motor differential steering, in-place steering, with load steering	
Brake	Regular closed multi-disk brake	
Final drive	Primary spur gear + primary planetary reduction	
UNDERCARRIAGE		
	XL	XW
Type	Pivot + balance beam semi-rigid suspension structure	
Track shoe type	Single grouser	
Track gauge	2430 mm	2430 mm
Width of track shoe	610 mm(Standard)	710 mm
Track grounding length	3285mm	3285 mm
Track grounding area	40077 cm ²	46647 cm ²
Number of track shoe	45	45
Grounding pressure	54.3 kPa	47.2 kPa
Number of carrier roller	2/side	2/side
Number of track roller	8/side	8/side
Pitch	203.2 mm	203.2 mm
Minimum turning radius	4192 mm	4192 mm
VOLUME		
Fuel capacity	444 L	
Urea tank capacity	49.2 L	
Coolant liquid capacity	40 L	
Engine crankcase and oil filter capacity	25 L	
Hydraulic oil tank	115 L	
Final drive, XL/side	46 L	
OPERATING WEIGHT		
	XL	XW
Operating weight (Traction frame)	22206 kg	22480 kg
Operating weight (Ripper)	24076 kg	24350 kg
Operating weight(Winch)	-	-
BLADE		
	XL	XW
Blade type	PAT	PAT
Blade capacity	5.0 m ³	5.0 m ³

DIMENSION		XL	XW
A	Machine height	3246 mm	3246 mm
B	Track grouser height	65 mm	65 mm
C	Ground clearance(without truck tooth)	410 mm	410 mm
D	Machine length (with draw bar)	5909 mm	5909 mm
E	Machine length (without draw bar)	5909 mm	5909 mm
F	Max. lifting height of blade	1060 mm	1060 mm
G	Max. digging depth of blade	700 mm	700 mm
H	Digging angle of blade	55°±3°	55°±3°
I	Blade width	4079 mm	4079 mm
J	Blade height	1320 mm	1320 mm
K	Max blade turning angle on ground	25°(deg.)	25°(deg.)
L	Machine width when blade in max turning angle	3702 mm	3702 mm
M	Max tilt height of blade	470 mm	470 mm
N	Vertical distance from left track shoe outside to blade outside when blade in max turning angle	79 mm	29 mm
O	Track shoes outside width	3040 mm	3140 mm
P	Vertical distance from right track shoe outside to blade outside when blade in max turning angle	583 mm	533 mm
	Min turning radius	4192 mm	4192 mm



SPARE PARTS

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 dismantling 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 150 countries and territories around the world.

Shantui has extended its well-regarded domestic market promise of ANYTIME, ANYWHERE SERVICE to its offices abroad and to all of its dealers and agents abroad. The network offers local training, has a mature parts delivery system and is still rapidly growing as Shantui's exports pick up steam.

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.



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