

SHANTUI

K SERIES HYDROSTATIC DOZER

DH13K, DH16K

Model	DH13K	DH16K
Power	118kW/158hp	142kW/190hp
Weight	13700-15300kg (30203-33731lb)	17235-20475kg (37997-45140lb)

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WWW.SHANTUI.COM

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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.

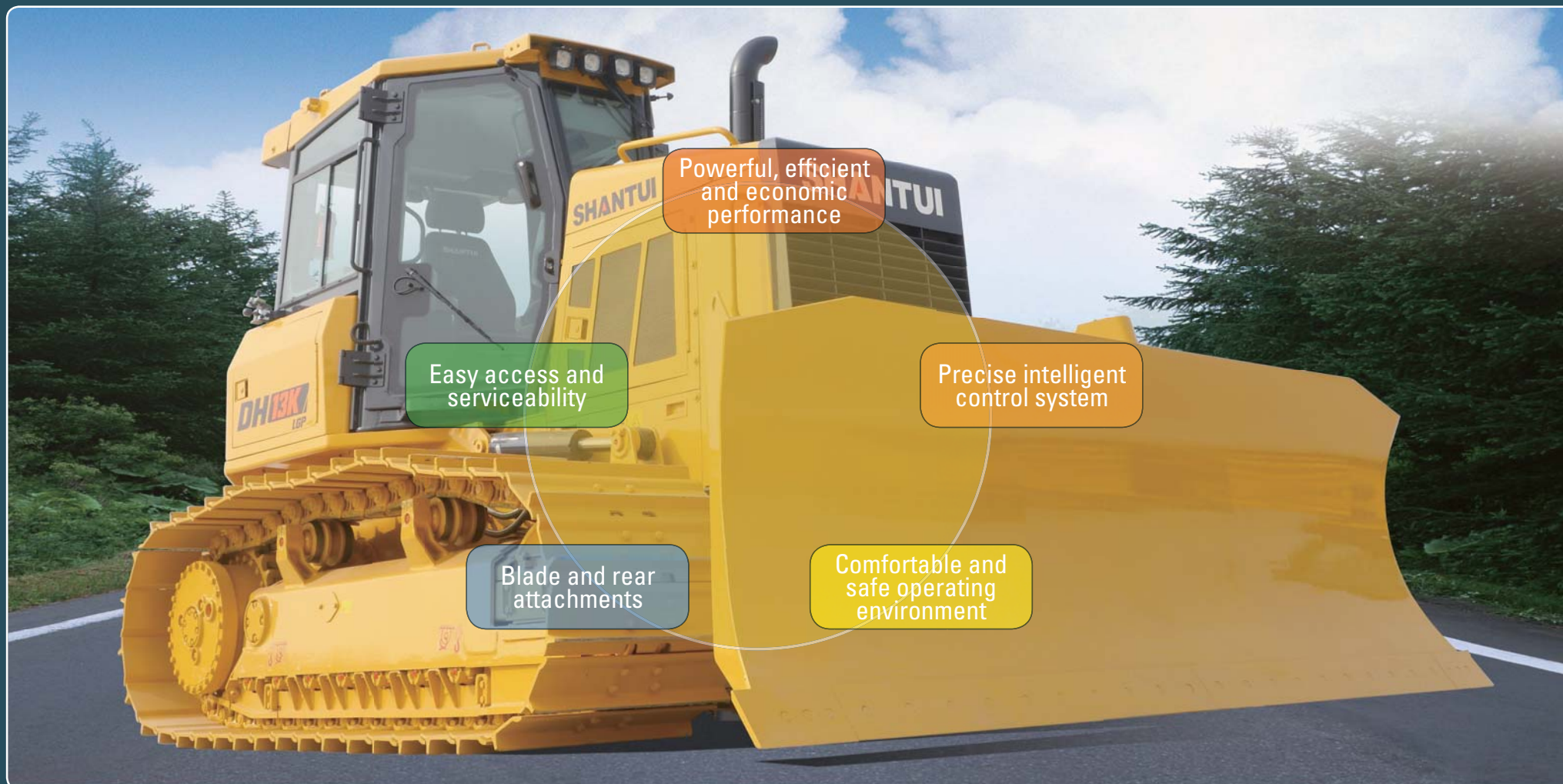
- Solid machines, solid values. Call us old-fashioned, but we believe that the values held by people who make a product can add to that product's value. Our headquarters are located near the home of Confucius, China's preeminent philosopher; our corporate and personal ethos is steeped in his teachings 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 Jinan.

High value and lower machine cost.

The K 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 IV 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.

MODEL	NET POWER	WEIGHT	DOZING CAPACITY
DH13K XL	115kW/154hp	13700kg/ 30,203lb	3.39cu.m /4.43cu.yd
DH13K LGP	115kW/154hp	14300kg/ 31,526lb	3.69cu.m /4.83cu.yd
DH16K XL	138kW/185hp	17235kg/ 37,800lb	3.76cu.m /4.92cu.yd
DH16K LGP	138kW/185hp	18400kg/ 40,570lb	4.4cu.m /5.75cu.yd



Powerful, efficient and economic performance

To give our customers more value, we focused on the crucial characters of efficiency, economy, intelligence and environmental-protection when designing the K series dozers. With FPT NEF series diesel engines and dual hydrostatic drive 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 efficiency and economy;

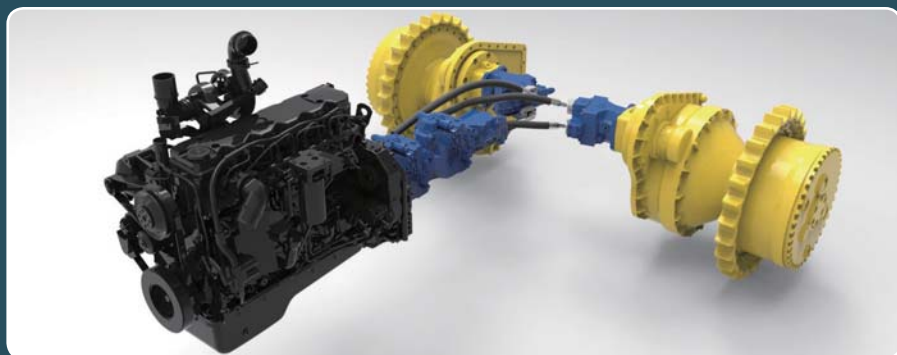
POWER MODE: provides higher power, use with heavy load conditions;

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 pitch 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.

FPT electronic control diesel engine

FPT has leading experience in production design with heavy diesel engine manufacturing. Their NF series engines have many reliable technologies such as an integrated turbocharged, direct injection with air-to-air aftercooling. FPT NF series engines achieve the EPA Tier 4f / EU Stage IV 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

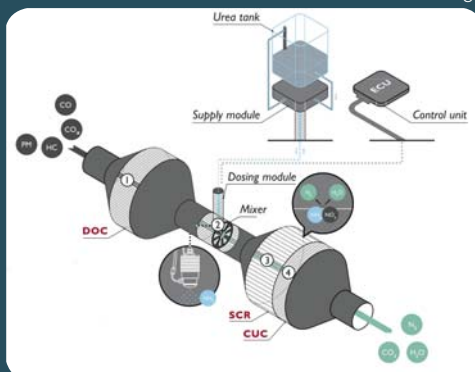
Lean technology improving durability and reliability

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

HI-eSCR

FPT Industrial has chosen instead to increase the engine combustion efficiency to reduce the PM without using EGR or DPF allowing engines to work at their performance best point without caring about emissions. The NOx is reduced in the SCR system while improving fuel consumption reduction, HI-eSCR system performance and overall power system reliability.

FPT Industrial's HI-eSCR is able to reduce the NOx levels more than 95%. The SCR Only technology sees the introduction of a new integrated approach that is the result of extensive research by FPT industrial research that has led to the creation of numerous significant patents.

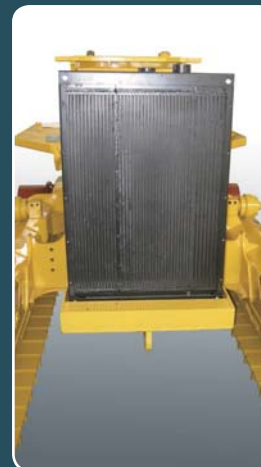


- 1、 DIESEL OXIDATION CATALYST
- 2、 UREA INJECTION
- 3、 SELECTIVE CATALYTIC REDUCTION
- 4、 CLEAN-UP CATALYST

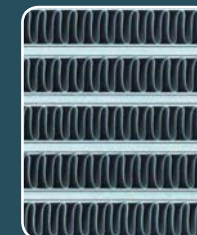
LEGEND

PM Particulate Matter
 HC unburnt Hydrocarbons
 NO Nitrogen Oxides
 CO Carbon Monoxide
 N₂ Nitrogen
 CO₂ Carbon Dioxide
 H₂O Water

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.



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 different 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, angle and also to shake the blade to remove stuck material.

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.

***DECCELERATION 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.

***BLADE-CONTROL MODE:** The three blade-control modes are rough, standard and tenuous. Under these different modes, the blade has different response ratios to the blade 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.



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.



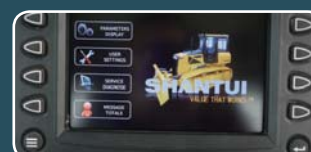
*Comfortable fabric, high-back air-suspension seat with adjustable head and back rests are standard. The bottom seat cushion has multi-way adjustments. The seat is for all day operator comfort for operator support. Optional electric heated seats are available. Separate leather-bolstered arm rests with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

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 and end bits can be used twice to save cost by exchanging opposite parts.
- *Cylinder guards keep hydraulic hoses and cylinders OUT OF DANGER.

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 icons 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.



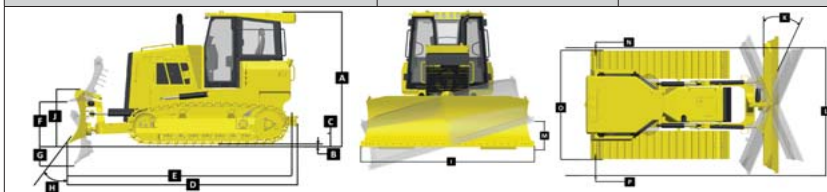
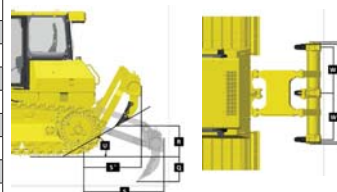
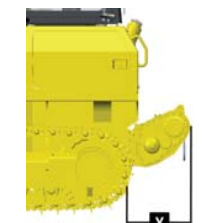
*High-speed rotation, high temperature and other hazardous components are designed with shields, insulation boards, or insulation sets; automatic parking braking function, handrails and anti-skid pedals ensure your complete safety during operating and maintenance. Speakers, reversing alarm, fluorescent 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.

DH13K

Technical Specifications:

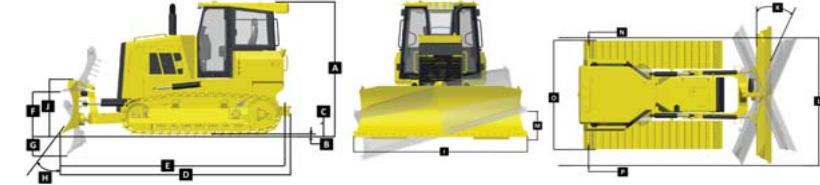
ENGINE		
ENGINE	FPT N67 // Cummins QSB6.7	
EMISSION STANDARD	Tier4 final/ Euro Stage IV	
RATED SPEED	2200rpm	
GROSS POWER	118kW(158hp) // 116kW(155hp)	
NET POWER	115kW(154hp) // 113kW(151hp)	
NUMBER OF CYLINDERS	6-104mm-132mm(6-4in.-5in.) // 6-107mm-124mm(6-4.2in.-4.9in.)	
PISTON DISPLACEMENT	6.7L(409cu.in.)	
MAXIMUM TORQUE	750Nm(554lb.-ft.)/1500rpm // 672Nm(496lb.-ft.)/1500rpm	
COOLING SYSTEM	Intelligent temperature control fan	
POWER TRANSMISSION SYSTEM		
POWER TRANSMISSION SYSTEM	Double loop electro static pressure drive, intelligent matching load change	
SYSTEM OVERFLOW PRESSURE	42500KPa(6162.5psi)	
TRAVEL SPEED		
FORWARD	0~ 10km/h(6.2mph)	
REVERSE	0~ 10km/h(6.2mph)	
TRACTIVE FORCE	200kN(45000lb.)	
STEERING CLUTCH	Hydraulic motor differential steering, in situ steering, steering with load	
STEERING BRAKE	Normally closed brake	
FINAL DRIVE	One stage straight gear + One stage planetary gear	
UNDERCARRIAGE SYSTEM	XL	LGP
TYPE	Pivot, balanced beam suspension	Pivot, balanced beam suspension
TRACK TYPE	Single-grouser,dry	Single-grouser,dry
TRACK GAUGE	1930mm(76in.)	2150mm(79in.)
WIDTH OF TRACK SHOES	560mm(22in.)	760mm(30in.)
GROUND LENGTH	2640mm (104in.)	2640mm (104in.)
GROUND AREA	29568cm ² (4583sq.in.)	40128cm ² (6220sq.in.)
TRACK PITCH OF SHOES PER SIDE	40	40
GROUND PRESSURE	46.3kPa(6.71psi)	35.6kPa(5.16psi)
CARRIER ROLLERS	2 Pieces/side	2 Pieces/side
TRACK ROLLERS	7 Pieces/side	7 Pieces/side
PITCH	190mm(7in.)	190mm(7in.)
MIN. TURNING RADIUS	3468mm(137in.)	3543mm(139in.)
MAINTENANCE CAPACITY		
FUEL TANK CAPACITY	251L(66gal.)	
COOLANT CAPACITY	30L(8.0gal.)	
ENGINE OIL CAPACITY	20L(5.3gal.)	
DEF TANK	41.5L(11gal.)	
HYDRAULIC TANK	65L(17gal.)	
FINAL DRIVE	19L(5gal.)/Side	
OPERATING WEIGHT	XL	LGP
TRACTION FRAME	13700kg(30203lb.)	14300kg(31526lb.)
RIPPER	14900KG(32849lb.)	--
WINCH	14700KG(32408lb.)	15300kg(33731lb.)

OVERALL DIMENSION		XL	LGP
BLADE TYPE		PAT	PAT
DOZING CAPACITY		3.39cu.m(4.4cu.yd.)	3.69cu.m(4.83cu.yd.)
			
A	OVERALL HEIGHT	3043mm(120in.)	3043mm(120in.)
B	TOOTH HEIGHT	50mm(2in.)	50mm(2in.)
C	GROUND CLEARANCE:	360mm(14in.)	360mm(14in.)
D	OVERALL LENGTH	5010mm (197in.)	5010mm (197in.)
E	WITHOUT TRACTION FRAME LENGTH	4958mm (195in.)	4958mm (195in.)
F	MAXIMUM TILT ADJUSTMENT	950mm (37in.)	950mm (37in.)
G	MAXIMUM DROP BELOW GROUND	460mm (18in.)	460mm (18in.)
H	THE BLADE BURIED ANGLE	55°±3°(deg.)	55°±3°(deg.)
I	BLADE WIDTH	3380mm (133in.)	3680mm (145in.)
J	BLADE HEIGHT	1120mm (44in.)	1120mm (44in.)
K	THE MAXIMUM SWING ANGLE OF BLADE	25°(deg.)	25°(deg.)
L	THE MAXIMUM SWING ANGLE OF THE BLADE WIDTH	3063mm (121in.)	3430mm (135in.)
M	BLADE TILT HEIGHT	500mm (19.7in.)	500mm (19.7in.)
N	THE MAXIMUM SWING ANGLE OF THE LEFT KNIFE ANGLE TRACK PROJECTION DISTANCE	54mm (2.13in.)	91mm (3.6in.)
O	TRACK WIDTH AT BOTH ENDS	2490mm (98in.)	2910mm (115in.)
P	THE MAXIMUM SWING ANGLE OF THE RIGHT ANGLE KNIFE TRACK PROJECTION DISTANCE	465mm (18.3in.)	430mm (17in.)
RIPPER (OPTIONAL)			
TYPE	Three-shank ripper		
WEIGHT	1035kg (2282lb.)		
Q	MAXIMUM WORKING DEPTH	500mm (20in.)	
S	SCARIFIER LENGTH (THE SUBSOILING POSITION)	1530mm (60in.)	
S'	SCARIFIER LENGTH (MAXIMUM LIFT POSITION)	1230mm (48in.)	
T	RIPPER WIDTH	1759mm (69in.)	
U	TILT ANGLE (MAXIMUM LIFT POSITION)	43°(deg.)	
V	SCARIFICATION WIDTH	1696mm (66.7in.)	
W	RIPPER HORNS DISTANCE	800mm (31.5mm)	
			
WINCH (OPTIONAL)			
TYPE	Hydraulic Winch (H5CT)		
WEIGHT	998kg(2200lb.)		
OPTIONAL WIRE DIAMETER	16mm(0.63in.)/19mm(0.75in.) /22mm(0.87in.)		
MAXIMUM LENGTH OF WIRE	128.9m(422ft.11in.)/90.8m(297ft.11in.) /65.5m(214ft.11in.)		
MAXIMUM WIRE FORCE(BARE DRUM)	28190kg(62148lb.)		
MAXIMUM WIRE FORCE(FULL DRUM)	15190kg(33488lb.)		
WIRE RATED SPEED(BARE DRUM)	13.6m/min(73ft.2in./min)		
Y	WINCH LENGTH	900mm(35in.)	
			

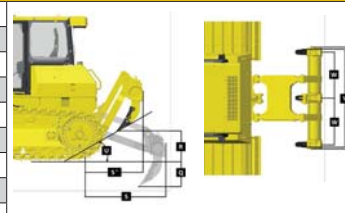
DH16K

Technical Specifications:

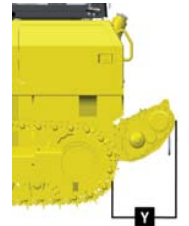
ENGINE		
ENGINE	Cummins QSB 6.7 // FPT N67	
EMISSION STANDARD	Tier4 final/ Euro Stage IV	
RATED SPEED	2000rpm // 2100rpm	
GROSS POWER	142kW(190hp)	
NET POWER	138kW(185hp)	
NUMBER OF CYLINDERS	6-107mm-124mm(6-4in.-5in.) // 6-104mm-132mm(6-4in.-5in.)	
PISTON DISPLACEMENT	6.7L(409cu.in.)	
MAXIMUM TORQUE	809Nm(597lb.-ft.)/1500rpm // 850Nm(627lb.-ft.)/1400rpm	
COOLING SYSTEM	Intelligent temperature control fan	
POWER TRANSMISSION SYSTEM		
POWER TRANSMISSION SYSTEM	Double loop electro static pressure drive, intelligent matching load change	
SYSTEM OVERFLOW PRESSURE	42500KPa(6162.5psi)	
TRAVEL SPEED		
FORWARD	0~ 10km/h(6.2mph)	
REVERSE	0~ 10km/h(6.2mph)	
TRACTIVE FORCE	230kN(35000lb)	
STEERING CLUTCH	Hydraulic motor differential steering, in situ steering, steering with load	
STEERING BRAKE	Normally closed brake	
FINAL DRIVE	One stage straight gear + One stage planetary gear	
UNDERCARRIAGE SYSTEM	XL	LGP
TYPE	Pivot, balanced beam suspension, semi-rigid structure	Pivot, balanced beam suspension, semi-rigid structure
TRACK TYPE	Single-grouser,lubrication	Single-grouser,lubrication
TRACK GAUGE	1890mm(74in.)	2200mm(86.6in.)
WIDTH OF TRACK SHOES	560mm/(22in.)610mm(24in.)	810mm(32in.)
GROUND LENGTH	3075mm(121in.)	3075mm(121in.)
GROUND AREA	34440/37515cm ² (5338/5815sq.in.)	49815cm ² (7721sq.in.)
TRACK PITCH OF SHOES PER SIDE	43	43
GROUND PRESSURE	47kPa(6.82psi)	34.3kPa(4.97psi)
CARRIER ROLLERS	2 Pieces/side	2 Pieces/side
TRACK ROLLERS	8 Pieces/side	8 Pieces/side
PITCH	203mm(8in.)	203mm(8in.)
MIN. TURNING RADIUS	3735mm(127in.)	3919mm(154in.)
MAINTENANCE CAPACITY		
FUEL TANK CAPACITY	370L(98gal.)	
COOLANT CAPACITY	29L(7.7gal.)	
ENGINE OIL CAPACITY	16L(4.2gal.)	
HYDRAULIC TANK	130L(34gal.)	
FINAL DRIVE	31L(8.2gal.)/Side	
OPERATING WEIGHT	XL	LGP
TRACTION FRAME	17235kg(37783lb.)	18400kg(40351lb.)
RIPPER	18780KG(41189lb.)	—
WINCH	19310KG(42358lb.)	—

OVERALL DIMENSION		XL	LGP
BLADE TYPE		PAT	PAT
DOZING CAPACITY		3.76cu.m(4.9cu.yd.)	4.4cu.m(5.7cu.yd.)
			
A	OVERALL HEIGHT	3065mm(121in.)	3065mm(121in.)
B	TOOTH HEIGHT	65mm(2.5in.)	65mm(2.5in.)
C	GROUND CLEARANCE:	370mm(14.6in.)	370mm(14.6in.)
D	OVERALL LENGTH	5010mm(197in.)	5010mm(197in.)
E	WITHOUT TRACTION FRAME LENGTH	6825mm(269in.)	5665mm(223in.)
F	MAXIMUM TILT ADJUSTMENT	1025mm(40in.)	1025mm(40in.)
G	MAXIMUM DROP BELOW GROUND	650mm(26in.)	650mm(26in.)
H	THE BLADE BURIED ANGLE	55°±3°(deg.)	55°±3°(deg.)
I	BLADE WIDTH	3335mm(131in.)	3860mm(152in.)
J	BLADE HEIGHT	1195mm(47in.)	1195mm(47in.)
K	THE MAXIMUM SWING ANGLE OF BLADE	24°(deg.)	24°(deg.)
L	THE MAXIMUM SWING ANGLE OF THE BLADE WIDTH	3047mm(120in.)	3526mm(139in.)
M	BLADE TILT HEIGHT	450mm(18in.)	528mm(21in.)
N	THE MAXIMUM SWING ANGLE OF THE LEFT KNIFE ANGLE TRACK PROJECTION DISTANCE	18mm(1.1in.)	10mm(0.95in.)
O	TRACK WIDTH AT BOTH ENDS	2550mm(96in.)	3110mm(118.5in.)
P	THE MAXIMUM SWING ANGLE OF THE RIGHT ANGLE KNIFE TRACK PROJECTION DISTANCE	460mm(20.1in.)	420mm(18.5in.)

RIPPER (OPTIONAL)		
TYPE	Three-shank ripper	
WEIGHT	1493kg(3291lb.)	
Q	MAXIMUM WORKING DEPTH	492mm(19in.)
S	SCARIFIER LENGTH (THE SUBSOILING POSITION)	2045mm(80.5in.)
S'	SCARIFIER LENGTH (MAXIMUM LIFT POSITION)	1558mm(61.3in.)
T	RIPPER WIDTH	2082mm(82in.)
U	TILT ANGLE (MAXIMUM LIFT POSITION)	29mm(1.1in.)
V	SCARIFICATION WIDTH	1900mm(75in.)
W	RIPPER HORNS DISTANCE	950mm(37in.)

	
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WINCH (OPTIONAL)		
TYPE	Hydraulic Winch (H6H)	
WEIGHT	2138kg(4713.5lb)	
OPTIONAL WIRE DIAMETER	22/25mm(0.866/0.984in.)	
MAXIMUM LENGTH OF WIRE	91/70m	
MAXIMUM WIRE FORCE(BARE DRUM)	40733kg(89800lb)	
MAXIMUM WIRE FORCE(FULL DRUM)	23420kg(51632lb)	
WIRE RATED SPEED(BARE DRUM)	18m/min	
Y	WINCH LENGTH	1439mm(56.7in.)

	
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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 dozers 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.



OUR GLOBAL SALES AND SERVICE NETWORK

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.