

# UHI - DH10

Crawler Dozer



Engine Model: Weichai WP4G110E221  
Gross Power: 82 kW(110 hp)  
Operating Weight: 9,580 kg

Linde Hydrostatic Travel Drive  
electronic control

# WALK-AROUND



## SHIG GOLDEN POWERTRAIN

- Weichai WP4 engine with Pre-Filter
- LINDE hydrostatic transmission(HST)
- More powerful & reliable, fuel economy

## ALL-AROUND VISIBILITY

- New integrated cab with ROPS/FOPS
- A/C installed at rear top of cab

## TWO-STAGE AIR FILTER

- Filtration efficiency >99.9%
- Integrated pre-filtration, high quality Air filtration
- Radial seal, durable, easy maintenance

## EASY OPERATION

- Excellent visibility to blade, enlarged inner space
- Palm Command Control System(PCCS)
- Large user-friendly monitor display



## MULTIFUNCTIONAL ATTACHMENT

- Standard drawbar
- Three-shank ripper (optional)

## IMPROVED DURABILITY

- High-rigidity simple main frame structure combined with thick plates and steel castings provide increased reliability and durability.
- Long track-on-ground with 6 track rollers improves machine stability and grading/dozing performance.
- Track frames are available in extra-long

## INCREASED PRODUCTIVITY

- 0-9km/h, constantly variable speed
- 360° counter-rotation turn
- New efficient electronic controlled hydrostatic system

## ENHANCED DOZING BLADE

- Power Angle Tilt (PAT) Blade with highly durable structure expand versatility and productivity in a variety of applications.
- PPC(Palm-command Proportional Pressure Control) joystick provides blade control smoothly and stable.
- Handle fits to hand to allow for more precise control and reduce operator fatigue.

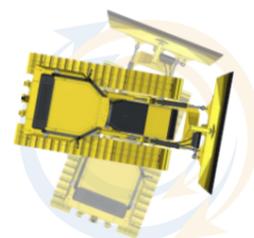


## COMFORT



### HST WITH ELECTRONIC CONTROL

DH10-B3 is equipped with Linde Hydrostatic Transmission (HST) that allows for Quick-Shift or constantly variable speed. The HST consists of dual-path closed-cycle systems with two variable displacement piston pumps and two variable displacement travel motors. Hydrostatic steering eliminates steering clutches and brakes, providing smooth powerful turns. Fully electronic control provides full automatic shifting and enables smooth control.



### MULTI-FUNCTION MONITOR

The multi-function monitor provides status of the machine, as well as Self-Diagnostic information and maintenance reminder.



### COMFORTABLE ENVIRONMENT

Equipped with A/C fitted on rear top of cabin, radio, fan, sunshade curtain for front and side windows. Equipped with 24V lighter, USB charging port.



### PPC & PCCS CONTROL

PPC (Proportional Pressure Control) joysticks controls blade & ripper. PCCS (Palm Command Control System) joystick controls all directions and speed movements.

## DURABILITY

### SHIG GOLDEN POWERTRAIN

Weichai engine, Linde hydraulic system, SHANTUI transmission & undercarriage system, all belong to same group, SHANDONG HEAVY INDUSTRY GROUP(SHIG), the world famous power system manufacture & supplier.

Turbo-charged Weichai WP4 engine features direct fuel injection to maximize power, fuel efficiency, parts universality and low maintenance cost.

Linde-designed Hydrostatic Transmission (HST) consists of dual-path closed-circuits with variable displacement piston pumps and travel motors, that allows for Quick-Shift or variable speed selection. PCCS(Palm Command Control System) provides full automatic shifting and enables smooth control.



### LONG TRACK-ON-GROUND

Long track-on-ground with 6 track rollers improves machine stability, grading and dozing performance. SHANTUI's track frame design using thicker box section material and fewer welded components provides increased rigidity and strength.

### OPTIONAL ATTACHMENTS

Standard equipped with drawbar. Other optional attachments available such as Multi-shank ripper for ground breaking,



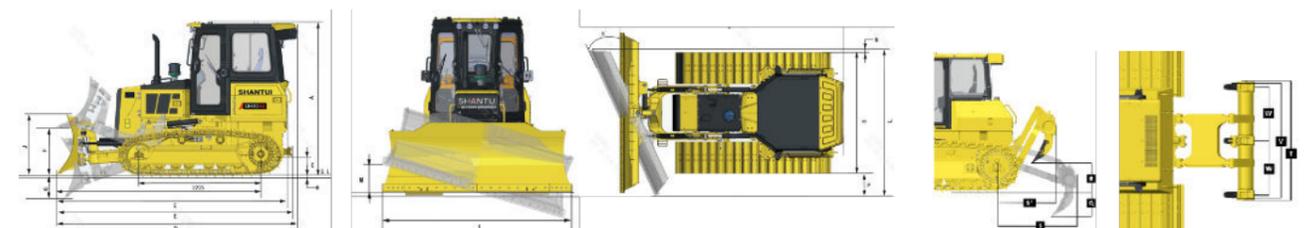
### WIDE OPEN ACCESSIBLE MAINTENANCE

The DH10 machine design is not only concern about operators' comfort it also offers convenience on the daily maintenance. Wide-open maintenance access for engine, hydraulics and electrical A/C systems. Centralized hydraulic pressure testing location. All daily maintenance can be performed efficiently at ground level.

# SPECIFICATIONS

ENGINE	
Model	Weichai WP4G110E221
Emission	China-II
Rated speed	2000 rpm
Gross power	82 kW(110hp)
Net power	74 kW(99hp)
No. of cylinder-bore×stroke	4-105 mm×130 mm
Displacement	4.5 L(274 cu.in)
Max. torque	460 Nm(339 lb.-ft.)/1300-1500 rpm
Min. fuel consumption	220 g/kw.h
DRIVE SYSTEM	
Drive system	Independent dual-circuit electric control hydrostatic drive, intelligent matching of speed-load
System overflow pressure	42500 KPa(6162.5 psi)
Traveling speed	Forward 0~9 km/h(5.6 mph) Reverse 0~9 km/h(5.6 mph)
Max. traction force	155.2 kN(34914 lb.)
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	
Type	Rigid type suspension
Track shoe type	Single grouser
Track gauge	1650 mm(65 in.)
Width of shoe	460 mm(18 in.)
Length of track on ground	2320 mm(91 in.)
Ground contact area	21344 cm <sup>2</sup> (3308sq.in.)
Number of track shoe	39 pcs/single side
Grounding pressure	46.1 kPa(6.69psi)
Number of carrier roller	2 pcs/single side
Number of track roller	6 pcs/single side
Pitch	171.45 mm(6.75in.)
Minimum turning radius	3085 mm (121.4in.)
REFILL CAPACITY	
Fuel tank	197 L(52 gal.)
Cooling system	19 L(5.0 gal.)
Engine oil	10 L(2.6 gal.)
Hydraulic oil tank (travel)	53 L(14 gal.)
Final drive	5.8 L(1.52 gal.)/single side
OPERATING WEIGHT	
Operating weight (ROPS canopy + traction frame)	9580 kg(21120 lb.)
Operating weight (ROPS canopy + ripper)	10250 kg(22597 lb.)
Operating weight (Cabin+ traction frame)	9850 kg(19951 lb.)
Operating weight (Cabin+ ripper)	10550 kg(21400 lb.)

BLADE	
Blade type	PAT
Blade capacity	2.4 m <sup>3</sup> (3.14cu.yd.)
DIMENSION	
A Machine height (with Track grouser height)	2950 mm(116in.)
B Track grouser height	50 mm(2.0 in.)
C Ground clearance	340 mm(13.4 in.)
D Machine length (with air condition)	4580 mm(180 in.)
E Machine length (with draw bar)	4480 mm(176.4 in.)
E' Machine length (without draw bar)	4385 mm(153.2 in.)
F Max. lifting height of blade	900 mm(35 in.)
G Max. digging depth of blade	450 mm(17.7 in.)
H Digging angle of blade	55°±3°(deg.)
I Blade width	2860 mm(113 in.)
J Blade height	1008 mm(39.7 in.)
K Max blade turning angle on ground	25°(deg.)
L Machine length when blade in max turning angle	2633 mm(104 in.)
M Max tilt height of blade	415 mm(16 in.)
N Vertical distance from left track shoe outside to blade outside when blade in max turning angle	70 mm(2.8 in.)
O Track shoes outside width	2110 mm(83 in.)
P Vertical distance from right track shoe outside to blade outside when blade in max turning angle	453 mm(18 in.)
RIPPER	
Type	Three-shank ripper
Q Max. ripping depth	340 mm(13.4 in.)
R Max. lifting height	440 mm(17.3 in.)
S Length (at deepest ripping)	1366 mm(53.8 in.)
S' Length (at highest point)	972 mm(38.3 in.)
T Ripper Width	1766 mm(69.5 in.)
V Ripping width	1696 mm(66.8 in.)
W Distance between ripper teeth	800 mm(31.5 in.)



\* 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.