

## GROUP PRODUCTS



VALUE THAT WORKS

SHANTUI

DH24-B3  
Crawler Dozer



Engine Model: Weichai WD12G250E202  
Gross Power: 185kW(248hp)@2100rpm  
Operating Weight: 23,820kg

Linde Hydrostatic Travel Drive  
electronic control



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## WALK-AROUND



### TWO-STAGE AIR FILTER

- Filtration efficiency >99.9%
- Integrated high quality pre-filter with Cyclone tube filtration
- Radial seal, reliable, easy maintenance

### 360° VISIBILITY

- Optional ROPS/FOPS
- A/C installed at rear top of cab



### SHIG GOLDEN POWERTRAIN

- Weichai WD12 engine with Pre-Filter
- LINDE hydrostatic transmission system(HST)
- More powerful & reliable, fuel economy



### EASY OPERATION

- Excellent visibility to blade, curbs and tight spaces
- Palm Command Control System(PCCS)
- Large user-friendly monitor display



### ENHANCED DOZING BLADE

- Heavy-duty wear-resistant blade with big capacity wear resistant steel with big capacity
  - \*Standard Semi-U blade
  - \*Straight-tilt, U type blade
- Expanded productivity takes on variety of applications and material conditions
- Lift and tilt of the blade is easy to made simultaneously, which help increasing productivity.

### MULTIFUNCTIONAL ATTACHMENT

- Standard drawbar
- Multi-shank ripper (optional)

### IMPROVED DURABILITY

- Modular design
- Heavy-plate steel used throughout
- Pivot equalizer bar suspension
- Heavy duty final drives

### INCREASED PRODUCTIVITY

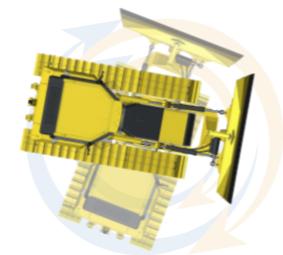
- 0-10km/h variable speed selection
- 360° counter-rotation turn
- New efficient electronic controlled hydrostatic system

## COMFORT



## HST WITH ELECTRONIC CONTROL

DH24-B2 is equipped with Linde-designed Hydrostatic Transmission (HST) that allows for Quick-Shift or variable speed selections. The HST consists of dual-path closed-loop 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 &amp; PCCS CONTROL

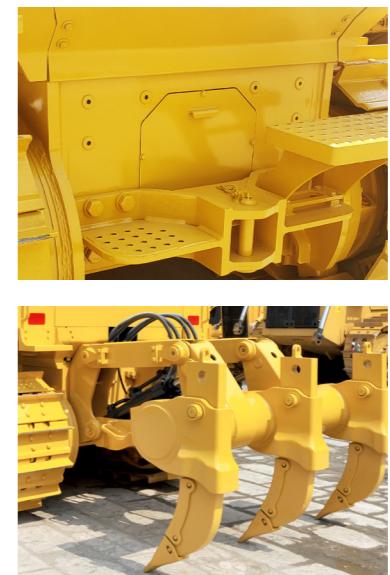
PPPC (Palm-command Proportional Pressure Control) joysticks controls blade & ripper. PCCS (Palm Command Control System) joystick controls all directional and speeds movements.

## DURABILITY

## SHIG GOLDEN POWERTRAIN

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

Fuel efficient mechanical controlled engine. Weichai WD12 engine special designed for DH24-B2, delivers flywheel power of 185KW (248 HP) at 2100 rpm. The engine is turbocharged and features direct fuel injection to maximize power and fuel efficiency. Low fuel consumption, parts universality and low maintenance cost.



## LONG TRACK-ON-GROUND

Long track-on-ground with 7 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.



## OPTIONS OF WORKING ATTACHMENTS

Standard equipped with drawbar. Other optional attachments available such as multi-shank ripper for ground breaking, hydraulic winch for forestry logging.

## WIDE OPEN ACCESSIBLE MAINTENANCE

The DH24 machine design is not only concerned about operators' comfort but also offers convenience on the daily maintenance. Wide-open maintenance access for engine, hydraulics and electrical A/C systems. Centralized hydraulics pressure detection/testing location. All daily maintenance can be performed efficiently at ground level.

## SPECIFICATIONS

ENGINE							
Model	Weichai WD12G250E202						
Emission	China-II						
Rated speed	2100rpm						
Gross power	185kW(248hp)						
Net power	167kW(224hp)						
No. of cylinder-bore×stroke	6-126mm*155mm						
Displacement	11.596L						
Max. torque	1200Nm@1300-1400rpm						
Cooling system	Mechanic fan						
DRIVE SYSTEM							
Drive system	Independent dualcircuit electric control hydrostatic drive, intelligent matching of speedload, "stepless" variable speed, monolever control of travel, speed and steering; steering with load, pivot steering, work flexibly, high efficiency, easy for maintenance						
System overflow pressure	45000kPa						
Traveling speed	Forward	0-11km/h					
	Backward	0-11km/h					
Max. theoretical traction force	368kN						
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	Double-reduction final drives of spur gear and planetary gear						
UNDERCARRIAGE							
XL	CH	RS	LGP	WH			
Type	Pivot, equalizing beam suspended type, semi-rigid structure						
Track shoe type	Single grouser	Single grouser	Single grouser	Wetland type			
Track gauge	2000mm	2000mm	2000mm	2250mm			
Width of track shoe	560/610/660mm	610/660mm	560/610/660mm	910mm			
Track grounding length	3050mm	3050mm	3050mm	3482mm			
Track grounding area	34160/37210/40260cm <sup>2</sup>	34160cm <sup>2</sup>	34160/37210/40260cm <sup>2</sup>	63372cm <sup>2</sup>			
Number of track shoe	41 pcs/side	41 pcs/side	41 pcs/side	45 pcs/side			
Grounding pressure (standard configuration)	68.3/62.7/58kPa	64.5kPa	70/64.3/59.5kPa	40.9kPa			
Number of carrier roller	2 pcs/side	2 pcs/side	2 pcs/side	2 pcs/side			
Number of track roller	7pcs/side	7pcs/side	7pcs/side	8 pcs/side			
Pitch	216mm	216mm	216mm	216mm			
CAPACITIES							
Fuel capacity	390L						
Coolant liquid capacity	61L						
Engine oil capacity	24L						
Hydraulic oil tank (travel)	64L						
Hydraulic oil tank (work)	95L						
Final drive	37L/side						
Transfer case	6L						
OPERATING WEIGHT							
XL	CH	RS	LGP	WH			
Operating weight (standard)	23850kg	24505kg	24429kg	26450kg			
Weight of ROPS frame	448kg						

BLADE	XL	CH	RS	LGP	WH
Blade type	Semi-U	U-blade	Straight-tilt blade	Drop straight-tilt	Waste handling blade
Blade capacity	6.5m <sup>3</sup>	7.5m <sup>3</sup>	8.7m <sup>3</sup>	6.42m <sup>3</sup>	12.86m <sup>3</sup>
DIMENSION	XL	CH	LGP	WH	
Machine height (with ROPS)	3335mm	3350mm	3350mm	3525mm	3525mm
Track grouser height	72mm	72mm	72mm	123mm	123mm
Ground clearance	450 mm	450 mm	450 mm	450 mm	450 mm
Machine length (with draw bar)	5940mm	6474mm	5940mm	6097mm	6469mm
Max. lifting height of blade	1247mm	1265mm	1247mm	1300mm	1300mm
Max. digging depth of blade	540mm	545mm	540mm	550mm	550mm
Digging angle of blade	52°±3°(deg.)				
Blade width	3642mm	3800mm	3642mm	4365mm	4365mm
Blade height	1580mm	1294mm	1801mm	1400mm	1981mm
Blade tilt height	840mm	850mm	840mm	680mm	680mm
Width from end of left track shoe to end of right track shoe (standard)	2560mm	2660mm	2560mm	3160mm	3160mm
Min turning radius	4210mm	4204mm	4210mm	4319mm	4316mm
RIPPER					
Type	Three-shank ripper	Three-shank ripper	Three-shank ripper	Three-shank ripper	Three-shank ripper
Weight	2646kg	2646kg	2646kg	2646kg	2646kg
Max. ripping depth	655mm	655mm	655mm	655mm	655mm
Max. lifting height	567mm	567mm	567mm	567mm	567mm
Ripper length (at deepest ripping)	1882mm	1882mm	1882mm	1882mm	1882mm
Ripper width	2246mm	2246mm	2246mm	2246mm	2246mm
Departure angle (at highest lifting)	16.35°	16.35°	16.35°	16.35°	16.35°
Ripping width	2000mm	2000mm	2000mm	2000mm	2000mm
Distance between ripper teeth	1000mm	1000mm	1000mm	1000mm	1000mm

