

DH08-B3 XL LGP

HYDROSTATIC CRAWLER BULLDOZER

PREMIUM RANGE OF DOZERS FROM SHANTUI



Engine Model:
Weichai Deutz WP4



Gross Power:
94 HP (70 kW) @2200 rpm



Operating Weight:
XL - 8,680 kg
LGP - 9,090 kg

SHANTUI®
VALUE THAT WORKS

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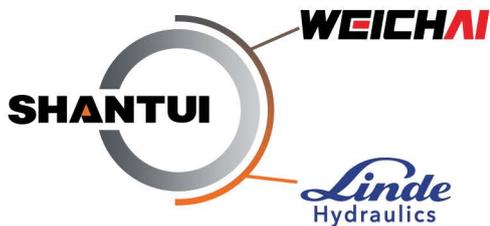
UNMATCHED PERFORMANCE

POWERFUL ENGINE & EFFICIENT TRANSMISSION SYSTEM



A RESEARCH JOINT VENTURE (RJV)

Between Weichai, Shantui & Linde. To develop, a technologically advanced, the most powerful and fuel-efficient Hydrostatic Transmission System.

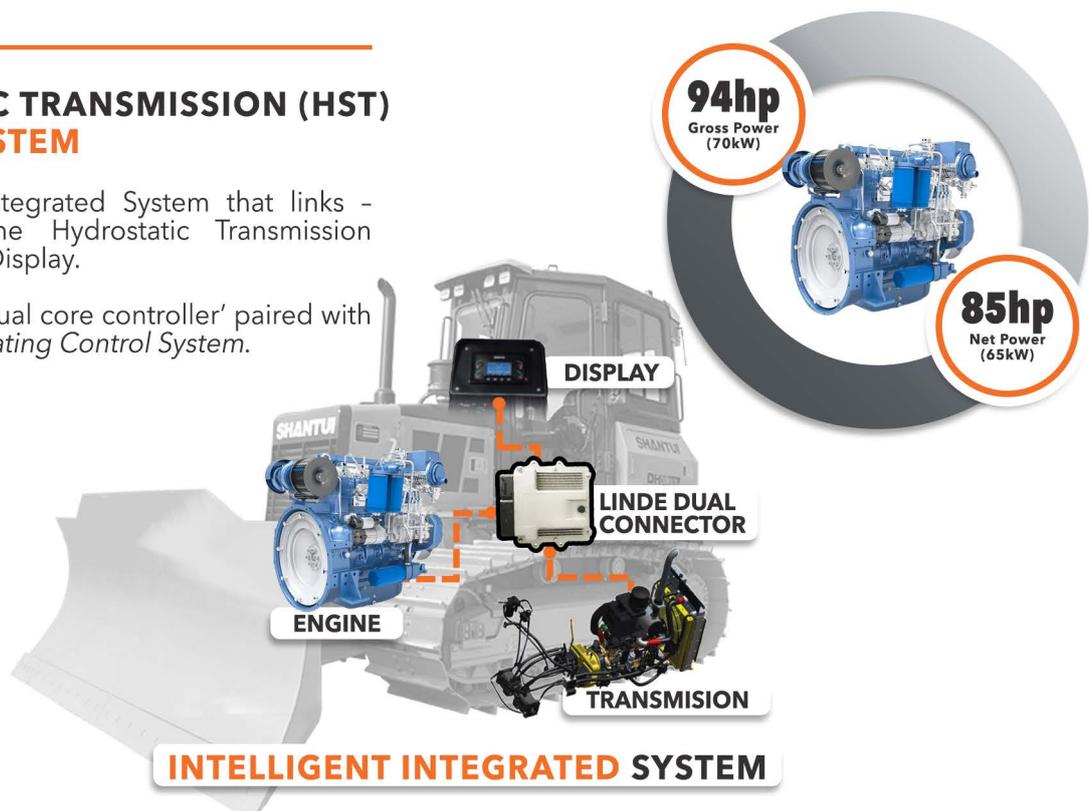


A POWERFULL ENGINE: BIGGEST IN ITS SEGMENT

- + Equipped with Weichai Deutz WP4G95E221 Tier 2 Engine, turbocharge with direct injection. powerful and durable for any site condition. with turbocharger and direct injection. Powerful and durable for any site condition.
- + Gross Power of 70 kW (94 hp) & Net power of 65 kW (85 hp)
- + Two stage air filter with integrated pre-filtration. Filtration efficiency more than 99,9%.

HYDROSTATIC TRANSMISSION (HST) CONTROL SYSTEM

- + Intelligently Integrated System that links - Engine & The Hydrostatic Transmission System & the Display.
- + Using 'Linde dual core controller' paired with German Operating Control System.



INTELLIGENT INTEGRATED SYSTEM

HYDROSTATIC TRANSMISSION SYSTEM: CONTINUOUSLY VARIABLE SPEED (0-9 KM/H)

Hydraulic pumps and Hydraulic Motors are from Linde (German tech) - Highly reliable and long life-time.

Intelligent Eco-Mode: Auto Load sensing technology that adjusts the vehicle power based on Load in real time. Reduce fuel consumption by 18%.

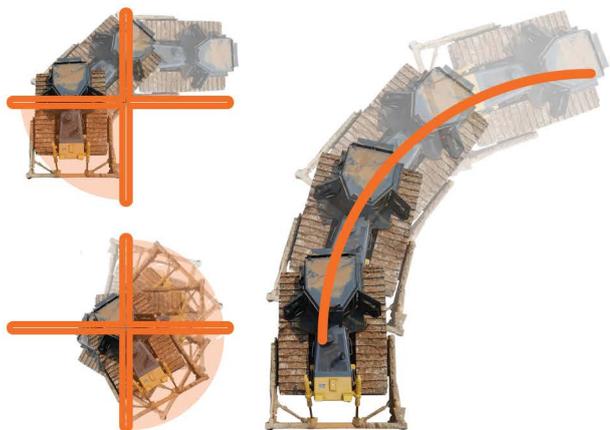
Low maintenance. Easy to operate.

Critical Connectors are made by Deutsch (Germany), are with protection level of IP65.



MORE CONTROL OVER OPERATION

Controls the Machines response to the operator's command with different degrees of speed, during acceleration and deceleration, steering and braking operation.



STANDARD



Now Choose from 3 available Driving Modes: fast, standard and fine - based on the application and driving preferences.

MULTI - FUNCTION MONITOR

- + Self-Diagnostic function that notifies the operator with warnings for abnormalities.
- + Maintenance reminders for oils and filters are also indicated, multi lingual and many other features.
- + In-built Calibration ability to recalibrate Hydraulics, no need for external laptop or software.
- + An 8-inch large screen that provides critical information of the machine.



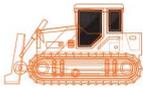
ERGONOMIC CABIN THAT OFFERS MORE

ERGONOMIC CABIN PROVIDES MORE SAFETY



CABIN RICH HUMANIZED CONFIGURATION, DRIVING EXPERIENCE IS FURTHER IMPROVED.

- + Next generation ROPS/FOPS (Level 2) cabin to ensure operator's safety.
- + An integrated cabin with large space, storage box, good view, low noise ($\leq 84\text{dB}$) and Low vibration (tight sealing - attain a positive cabin pressure of 45 Pascal).
- + Luxury interior with 6 air conditioning vents, with the function of fresh air circulation.
- + High-grade Comfortable seats: Mechanical suspension, wide seat, 2-inch 2-point seat belt.



SUN SHADE



LIGHTER



ASHTRAY



USB PORT



RADIO

LEFT JOYSTICK

PPC (Proportional Pressure Control) Joysticks, Controls the Blade & Ripper.

RIGHT JOYSTICK

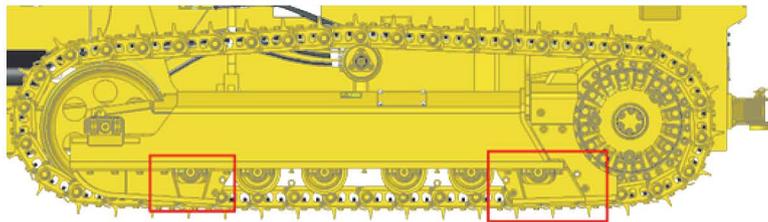
PCCS (Palm Command Control System) joysticks, Controls: all directions and speed movement Elobau Brand - Made in Germany.



BUILT TO LAST BUILT TO ENDURE

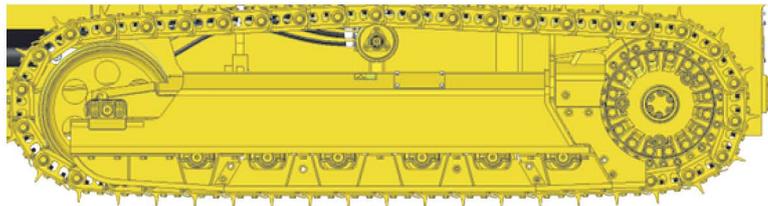
RELIABILITY AND DURABILITY

- + Heat Treated - Heavy Duty Steel plates used & Highly Rigid Under carriage with Heavy Duty final drives.
- + Modular design with least welded components, for extended life and serviceability.
- + 6 x 2 Wear Resistant Track Rollers & 42 x 2 - Thickened Track Shoes



2 GUARD FOR TRACK ROLLERS ON EACH SIDE (AS STANDARD).

These protective guards not only keep the track roller aligned and enhance machine performance, these guards are also essential for defending against long-term track wear and preventing long-term alignment issues.

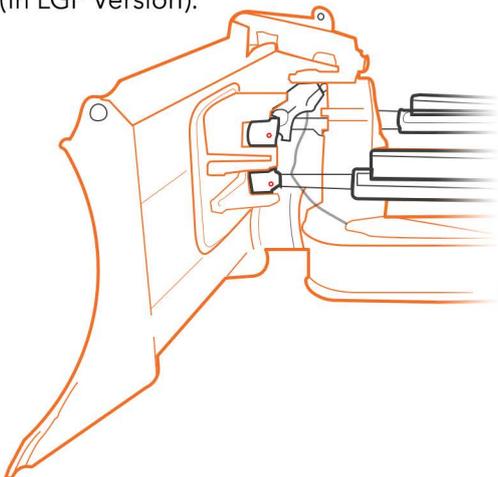


FULL-SECTION TRACK ROLLERS GUARDS (OPTIONAL)

For jobs on extreme terrain and when operating through dirt, mud holes, or steep grades continuously.

ENHANCED DOZING BLADE

- + Heavy Strength Steel, 6 Way PAT (Power-Angle-Tilt) Blade for Increased Productivity.
- + Adjustable Pitch PAT Blade - Blade pitch angle can be adjusted with the pitch rod on top of the blade.
- + High Capacity of 1.93 m³ (XL Version) & 2.04 m³ (in LGP Version).



DH-08 B3 L^{GP}

BEST SUITED FOR SOFT-TERRAINS

PREVENTS THE DOZER FROM GETTING STUCK IN WET CONDITIONS



WIDER TRACKS AND BLADES HELP DISTRIBUTE THE WEIGHT AND PREVENT THEM FROM SINKING INTO THE GROUND AND GETTING STUCK WHILE OPERATING.

- + 'Wide-track' Broader track gauge of 1790 mm ⇒ Perfect for muddy, swamp-like conditions and soft-terrains.
- + Wider Track shoe of 610 mm width ⇒ Wide-track dozers also perform well on slopes; their wider undercarriage and tracks increase stability and balance on sloped ground.
- + Higher Track grounding Area of 27,145 cm² ⇒ Higher ground contact surface areas, leading to better traction in wet earth.
- + Low Ground Pressure of only 33.5 kPa (4.86 psi) pressure, gives the dozer its Floation Abilities, making Shantui DH-08 L^{GP} the best-in-class Compact size dozer in the market.



BLADE DOZING MATERIAL IN SOFT-TERRAINS WAS NEVER THIS EASY.

- + High Dozing Capacity 2.04 m³, Less passing cycle.
- + Power Angle Tilt (PAT) Blade with 3150 mm blade width - further enhances ease in dozing materials.

SPECIFICATION

SHANTUI BULLDOZER DH08-B3 XL & LGP

ENGINE	
Engine	WEICHAH WP4G95E221
Emission	China-II
Rated revolution	2200 rpm
Gross power	70 kW(94 hp)
Net power	63 kW(85 hp)
Displacement	4.5 L(274 cu.in)
Max. torque	380 Nm(280 lb.-ft.)/1400-1600 rpm

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)
	Backward 0~9 km/h(5.6 mph)
Max. theoretical traction force	160.4 kN(36044 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	Double planetary reduction

CHASSIS SYSTEM	XL	LGP
Type	Rigid type suspension	Rigid type suspension
Track shoe type	Single gouser	Single gouser
Track gauge	1650 mm(65 in.)	1790 mm(70 in.)
Width of track shoe	460 mm(18 in.)	610 mm(24 in.)
Track grounding length	2225 mm(87.6 in.)	2225 mm(87.6 in.)
Track grounding area	20470 cm ² (3173 sq.in.)	27145 cm ² (4207 sq.in.)
Number of track shoe	42	42
Grounding pressure (standard configuration)	42.4kPa(6.15 psi)	33.5 kPa(4.86 psi)
Number of carrier roller	1/single side	1/single side
Number of track roller	6/single side	6/single side
Pitch	154.1 mm(6 in.)	154.1 mm(6 in.)

REFILL CAPACITY	
Fuel capacity	197 L(52 gal.)
Coolant liquid capacity	19 L(5.0 gal.)
Engine oil capacity	10 L(2.6 gal.)
Hydraulic oil tank	53 L(14 gal.)
Final drive	5.8 L(1.52 gal.)/single side

OPERATING WEIGHT	XL	LGP
Operating weight (ROPS canopy + traction frame)	8680 kg(19136 lb.)	9090kg(20044 lb.)
Operating weight (ROPS canopy + ripper)	9350 kg(20591 lb.)	9750 kg(21493 lb.)
Operating weight (Cabin+ traction frame)	8950 kg(19731 lb.)	9360 kg(20640 lb.)
Operating weight (Cabin+ ripper)	9600 kg(21164 lb.)	10020 kg(22088 lb.)

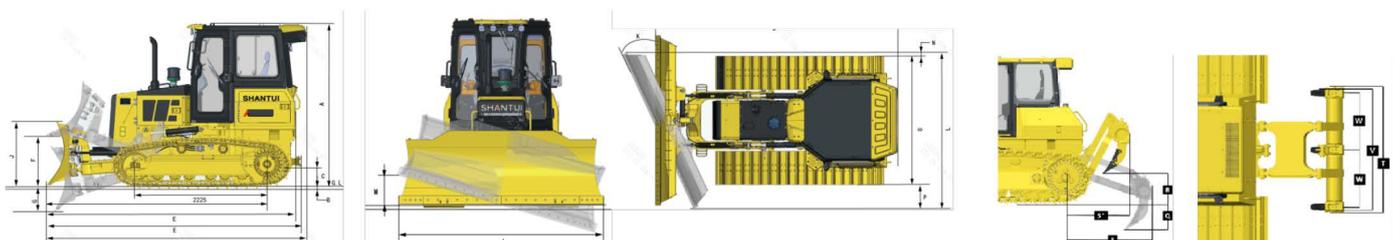
BLADE	XL	LGP
Blade type	PAT	PAT
Blade capacity	1.93 m ³ (2.5cu.yd.)	2.04 m ³ (2.7cu.yd.)

DIMENSION	XL	LGP
A Machine height (with Track grouser height)	2950 mm(116in.)	2950 mm(116 in.)
B Track grouser height	47 mm(1.9 in.)	47mm(1.9 in.)
C Ground clearance	320 mm(13in.)	320 mm(13 in.)
D Machine length (with air condition)	4568 mm(180 in.)	4568 mm(180 in.)
E Machine length (with draw bar)	4468 mm(176.4 in.)	4468 mm(176.4 in.)
E' Machine length (without draw bar)	4373 mm(153.2 in.)	4373 mm(153.2 in.)
E'' Length of blade to center of final drive	3870 mm(153.2 in.)	3870 mm(153.2 in.)
E''' Length of center of idle wheel final drive	2225 mm(87.6 in.)	2225 mm(87.6 in.)
F Max. lifting height of blade	900 mm(35 in.)	900 mm(35 in.)
G Max. digging depth of blade	450 mm(17.7 in.)	450 mm(17.7 in.)
H Digging angle of blade	55°±3°(deg.)	55°±3°(deg.)
I Blade width	2680 mm(106 in.)	3150 mm(124 in.)
J Blade height	1090 mm(42.9 in.)	1090 mm(42.9 in.)
K Max blade turning angle on ground	25°(deg.)	25°(deg.)
L Machine width when blade in max turning angle	2474 mm(97 in.)	2896 mm(114 in.)
M Max tilt height of blade	389 mm(15 in.)	457 mm(18 in.)
N Vertical distance from left track shoe outside to blade outside when blade in max turning angle	4 mm(0.2 in.)	64 mm(2.5 in.)
O Track shoes outside width	2110 mm(83 in.)	2400 mm(95 in.)
P Vertical distance from right track shoe outside to blade outside when blade in max turning angle	364 mm(14 in.)	432 mm(17 in.)
Min turning radius	2790 mm(109.8 in.)	2800 mm(110.2 in.)

RIPPER	XL	LGP
Q Max. ripping depth	340 mm(13.4 in.)	340 mm(13.4 in.)
R Max. lifting height	440 mm(17.3 in.)	440 mm(17.3 in.)
S Ripper length (at deepest ripping)	1366 mm(53.8 in.)	1366 mm(53.8 in.)
S' Ripper length (at highest point)	972 mm(38.3 in.)	972 mm(38.3 in.)
T Ripper width	1766 mm(69.5 in.)	1766 mm(69.5 in.)
V Ripping width	1696 mm(66.8 in.)	1696 mm(66.8 in.)
W Distance between ripper teeth	800 mm(31.5 in.)	800 mm(31.5 in.)

ATTACHMENT (OPTIONAL)

- A WINCH
- B RIPPER



Networking

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DH SERIES

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For more complete information on Shantui products, services, and industry solutions, contact GMTractors sales.



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