LET'S MAKE CONSTRUCTION EASIER

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MATquip

MDH08-B3

Crawler Dozer



Engine Model:	Weichai WP4G95E211
Gross Power:	70kW(94hp)@2200rpm
Operating Weight:	XL:9,050kg LGP:9,360kg

Linde Hydrostatic Travel Drive
electronic control

WALK-AROUND

SHIG GOLDEN POWERTRAIN

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





TWO-STAGE AIR FILTER

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

ALL-AROUND VISIBILITY

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



EASY OPERATION

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

ENHANCED DOZING BLADE

- *Heavy-strength steel*
- *Expanded productivity takes on variety of applications and material conditions*
- *High capacity pitch-adjustable*
- *Power-Angle-Tilt dozer blade*

MULTIFUNCTIONAL ATTACHMENT

- *Standard drawbar*
- *Three-shank ripper (optional)*
- *Hydraulic winch (optional)*

INCREASED PRODUCTIVITY

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

IMPROVED DURABILITY

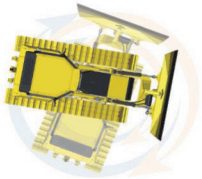
- *Modular design*
- *Heavy-plate steel used throughout*
- *Heavy duty final drives*

COMFORT



HST WITH ELECTRONIC CONTROL

DH08-B2 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 informantion and maintenance reminder.

COMFORTABLE ENVIRONMENT

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

PPC & PCCS CONTROL

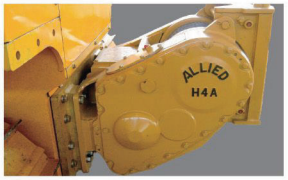
PPC (Proportional Pressure Control) joysticks controls blade & ripper. PCCS (Palm Command Control System) joystick controls all directions and speed movements.

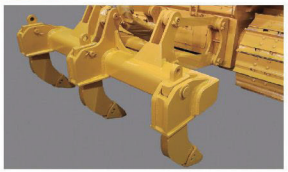
DURABILITY

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.
Fuel efficient mechanical controlled engine. Weichai WP4 engine special designed for DH08B2, delivers flywheel power of 70 KW 94 HP at 1900 rpm. The engine is turbo-charged 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 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 attachements available such as Mulit-shank ripper for ground breaking, Hydraulic winch for forestry logging.







WIDE OPEN ACCESSIBLE MAINTENANCE

The DH08 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 WP4
Emission	China-II
Rated speed	2200rpm
Gross power	70kW(94hp)
Net power	63kW(85hp)
No. of cylinder-bore×stroke	4-105mmx130mm
Displacement	4.5 L(274 cu.in)
Max. torque	380 Nm(280 lb.-ft.)/1400-1600 rpm
Min. fuel consumption	220g/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)	
Traveling speed Reverse	0~9 km/h(5.6 mph)	
Max. 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	Primary spur gear + primary planetary reduction	

UNDERCARRIAGE	XL	LGP
Type	Rigid type suspension	Rigid type suspension
Track shoe type	Single grouser	Single grouser
Track gauge	1650 mm(65 in.)	1790 mm(70 in.)
Width of shoe	460 mm(18 in.)	610 mm(24 in.)
Length of track on ground	2225 mm(87.6 in.)	2225 mm(87.6 in.)
Ground contact area	20470 cm^2(3173 sq.in.)	27145 cm^2(4207 sq.in.)
Number of track shoe	42 pcs/single side	42 pcs/single side
Grounding pressure	42.9 kPa(6.22 psi)	33.5 kPa(4.86 psi)
Number of carrier roller	2 pcs/side	2 pcs/side
Number of track roller	6 pcs/side	6 pcs/side
Pitch	3066 mm(120 in.)	3176 mm(125 in.)
Minimum turning radius	2789mm(109in.)	2800 mm(110in.)

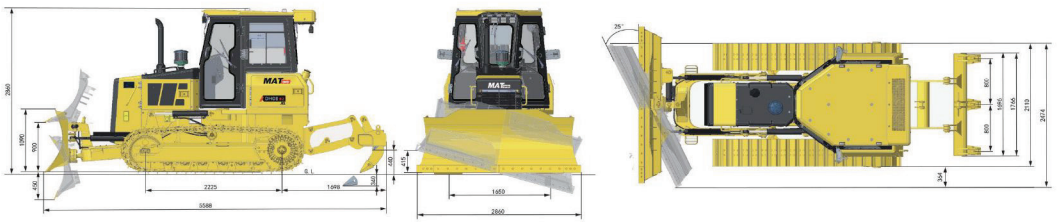
REFILL CAPACITY	
Fuel tank	197 L(52 gal.)
Cooling system	19 L(5.0 gal.)
Engine oil	10 L(2.6 gal.)
Hydraulic oil tank (travel)	53 L(14 gal.)
Final drive	5.8 L(1.52 gal.)/single side

OPERATING WEIGHT	XL	LGP
Operating weight (ROPS canopy + traction frame)	8780 kg(19357 lb.)	9092 kg(20044 lb.)
Operating weight (ROPS canopy + ripper)	9437 kg(20805 lb.)	9749 kg(21493 lb.)
Operating weight (Cabin+ traction frame)	9050 kg(19951 lb.)	9362 kg(20640 lb.)
Operating weight (Cabin+ ripper)	9707 kg(21400 lb.)	10019 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
Machine height	2860 mm(112 in.)	2860 mm(112 in.)
Track grouser height	47 mm(1.9 in.)	47 mm(1.9 in.)
Ground clearance	320 mm(13in.)	320 mm(13in.)
Machine length (with ripper)	4420 mm(174 in.)	4420 mm(174 in.)
Machine length (without ripper)	4405 mm(173in.)	4405 mm(173in.)
Max. lifting height of blade	900 mm(35 in.)	900 mm(35 in.)
Max. digging depth of blade	450 mm(17.7 in.)	450 mm(17.7 in.)
Digging angle of blade	53°±3°(deg.)	53°±3°(deg.)
Blade width	2680 mm(106 in.)	3150 mm(124 in.)
Blade height	1090 mm(42.9 in.)	1090 mm(42.9 in.)
Max blade turning angle on ground	25°(deg.)	25°(deg.)
Machine length when blade in max turning angle	2474 mm(97 in.)	2896 mm(114 in.)
Max tilt height of blade	389 mm(15 in.)	457 mm(18 in.)
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.)
Track shoes outside width	2110 mm(83 in.)	2400 mm(95 in.)
Vertical distance from right track shoe outside to blade outside when blade in max turning angle	364 mm(14 in.)	432 mm(17 in.)

RIPPER	
Max. ripping depth	340 mm(13.4 in.)
Max. lifting height	440 mm(17.3 in.)
Length (at deepest ripping)	1352 mm(53.2 in.)
Length (at highest point)	991 mm(39 in.)
Width	1766 mm(69.5 in.)
Ripping width	1696 mm(66.8 in.)
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.