

ZW-6 series

HITACHI

Reliable solutions

# ZW150



## WHEEL LOADER

Model code : ZW150-6 / ZW150PL-6

Engine rated power : 104 kW / 141 hp (ISO14396)

Operating weight : 12 250 – 12 520 kg

Bucket ISO heaped : 1.9 – 2.3 m<sup>3</sup>

# ZW150-6. NO COMPROMISE

Offering exceptional levels of performance without compromising on efficiency, Hitachi ZW-6 wheel loaders are designed to satisfy the requirements of the European construction industry.

Designed to be reliable, durable and versatile for a variety of job sites, and to operate with low levels of fuel consumption, they incorporate the high-quality engineering for which Hitachi is renowned.



6. FIRST FOR RELIABILITY



8. DEDICATED TO DURABILITY



10. INCREDIBLE VERSATILITY



12. INDUSTRY-LEADING QUALITY



14. UNIQUE TECHNOLOGY

# DEMAND PERFECTION

Designed and built with an emphasis on the environment, operator comfort and safety, the ZW150-6 has been developed to perfection. It incorporates industry-leading technology created in Japan to meet the highest standards for performance at the lowest possible costs of ownership.



## **Powerful performance**

Quick power switch increases engine output when required.



## **Industry-leading safety**

360° visibility from the cab.



## **Easy to operate**

The hydrostatic transmission enhances versatility and increases productivity.



## **Smooth operation**

Ride control minimises machine pitching.



## **Superior comfort**

Spacious cab with several storage compartments.





**Enhanced design**

Excellent rear view thanks to the curved engine hood.



**Quieter performance**

New materials in the cab absorb sound to reduce noise levels.



**Enhanced fuel efficiency**

New Stage IV engine without DPf.



**Low running costs**

6% fuel saving in V-shaped loading (19% in travelling operations).



**Exceptional durability**

Developed in-house, the front frame of the ZW150-6 has been reinforced.



**Convenient access**

Easy-to-open wide engine covers.



*“ We need a wheel loader that is completely reliable and Hitachi fits the bill ”*

Árpád Barabás, owner, Barabás

## FIRST FOR RELIABILITY

Renowned for reliability, Hitachi ZW-6 wheel loaders achieve exceptional levels of performance and efficiency with minimum downtime. The ZW150-6 has been designed with several user-friendly features that ensure quick and easy maintenance, and also contribute to lower running costs.

### **Minimal downtime**

The ZW150-6 battery compartment can be accessed easily for maintenance and battery replacement. This results in minimal downtime and a high level of availability.

### **Quick access**

The side engine cover opens fully for convenient access. This helps to ensure routine maintenance is completed quickly to ensure a reliable performance.

### **Improved fuel efficiency**

The ZW150-6 demonstrates greater fuel efficiency than the previous model during V-shape loading, and load and carry

operations. This results in considerable savings for running costs.

### **Easy maintenance**

For safer and easier maintenance, the battery disconnect switch is now included as standard. This helps to avoid electrical accidents and retain battery energy during long-term storage.

### **Reduced cost**

The new Stage IV-compliant engine does not require a diesel particulate filter, which further reduces fuel consumption and maintenance costs.



Easy access to the engine compartment.



The battery is easy to maintain.



New engine reduces fuel consumption.



The front frame of the ZW150-6 has been reinforced.



Optional anti-clogging radiators enhance durability.

**i** The final checking and inspection procedure for each Hitachi wheel loader is typical of Hitachi's dedication to manufacturing products of unfailing quality in response to customer needs.



# DEDICATED TO DURABILITY

Strengthened components, robust materials and additional reinforcement for key features ensure the durability of the ZW150-6. They also contribute to its reliable operation, particularly when working in challenging environments.



### Added protection

The optional belly guard protects the machine powertrain and driveshaft from potential damage caused by materials on the ground.



### Strengthened components

Heavy-duty axles, designed in-house, have been incorporated into the design of the ZW150-6 to improve durability.

### Durable materials

High-quality radiators improve resistance to corrosion and enhance the overall durability of the ZW150-6 wheel loader.

### Maximum uptime

Optional anti-clogging radiators (WPFR) are designed with square-shaped instead of triangular-shaped fins to prevent clogging. This reduces radiators maintenance frequency.

The optional belly guard provides added protection.





“ *The cab is spacious  
and the visibility is  
excellent* ”

Christophe Warnier, operator, Jan De Nul

## INCREDIBLE VERSATILITY

ZW-6 wheel loaders are often described as a perfect fit by Hitachi customers, which illustrates their versatility for a wide range of applications and job sites. In addition, they are smooth and efficient to operate, and offer increased productivity and greater fuel efficiency.

### **Efficient flexibility**

The quick power switch increases engine output when more power is instantly required, or when driving uphill.

### **Enhanced rear visibility**

The muffler and air intake have been repositioned and aligned to improve the rear-view visibility from the cab, enhancing safety on a variety of job sites.

### **High efficiency**

When working in snowy, slippery or muddy conditions, the traction control system of the ZW150-6 helps to avoid tyre slippage, and ultimately prevents wear and fuel

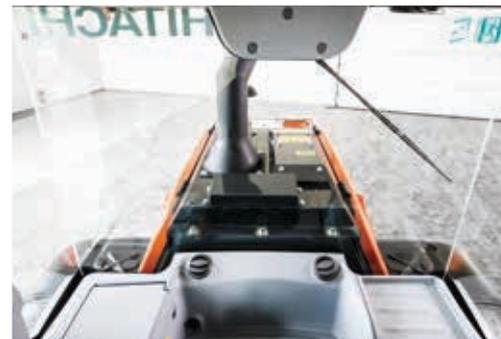
wastage, and lowers running costs. It is highly effective for light applications.

### **Parallel lift arm**

The ZW150PL-6 provides parallel movement from ground level. Perfect for loading and unloading items with increased load control.

### **Superior performance**

The rimpull control system allows for a superior digging performance by striking a balance between rimpull and front digging force. Rimpull can be adjusted to varying degrees, depending on the work mode.



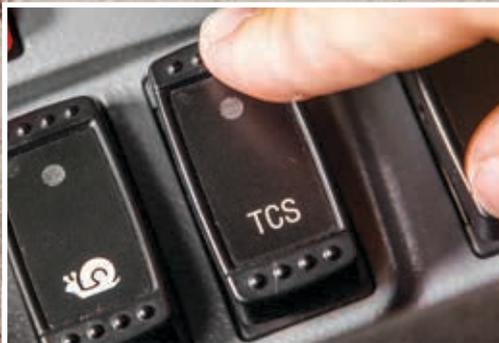
Rear visibility has been enhanced by design modifications.



HITACHI



The ride control feature ensures a smooth performance.



The traction control system helps to avoid tyre slippage in wet or wintry conditions.



The cab provides a quiet and comfortable working environment.



Easy access for maintenance from ground level.



**i** Hitachi conducts user tests in Japan to assess the features of its wheel loaders. Results have revealed an unrivalled level of control.



## INDUSTRY-LEADING QUALITY

To set industry-leading standards in terms of performance, reliability, comfort and safety, the ZW150-6 has been built using components of the highest quality. Its clever design offers 360° visibility from the cab and ensures it is one of the quietest wheel loaders in its class.



### Reduced emission

A selective catalytic reduction (SCR) system injects urea into exhaust gas to reduce nitrogen oxide from emissions. This cutting-edge technology not only helps the environment, but also complies with EU Stage IV emission regulations.

### Excellent visibility

The 360° panoramic view of the spacious cab creates a comfortable working environment, and helps to increase safety and productivity. The rear-view camera also contributes to excellent all-round visibility and safety on the job site.



The rear-view camera contributes to all-round visibility.

### Easy access

The engine air filter has been relocated to the rear of the engine compartment, providing easier access at ground level for maintenance. The urea tank is also positioned for convenience.

### Improved comfort

Sound insulation has been improved in the cab to significantly reduce noise levels and provide a quieter working environment for operators. The low-noise engine also results in a quieter performance, which makes it suitable for working in urban areas.





“ *The ZW150-6 was designed and built using market-leading Japanese technology* ”

HCME Wheel Loader Manager, Vasilis Drougkas

## UNIQUE TECHNOLOGY

Advanced technology developed by Hitachi is at the heart of the ZW150-6. It has an impact on everything, from the wheel loader’s environmental performance to the comfort and safety of its operator. A technology-led approach enables Hitachi to meet the evolving needs of the construction industry, and improve the experience of its customers.

### Reduced maintenance

A new Stage IV-compliant engine contains a high-volume cooled exhaust gas recirculation (EGR) system, a common rail-type fuel injection system and a diesel oxidation catalyst (DOC). This helps to reduce fuel costs and maintenance requirements.

### Smaller environmental impact

The optional auto shutdown feature helps to prevent fuel wastage, as well as reduce noise levels, exhaust emissions and CO<sub>2</sub> levels of the ZW150-6 medium wheel loader.

### Optimum performance

The first speed dial switch in combination with the creep mode switch optimises the usage of the ZW150-6 on different job sites and with hydraulic attachments.

### Remote monitoring

Global e-Service allows ZW150-6 owners to monitor their Hitachi machines remotely via Owner’s Site (24/7 online access) and ConSite (an automatic monthly report). These help to maximise efficiency, minimise downtime and improve overall performance.

### Smooth operation

The ZW150-6 is easy to manoeuvre thanks to the HST control system. The operator can choose between two work modes according to the task and terrain, and it enables a smooth transition between speeds.



First speed dial switch optimises performance on different job sites.



The HST control system enables a smooth performance.



The new engine and SCR system have a smaller environmental impact.



“ We are very happy with the quality and low cost of ownership of the Hitachi wheel loader ”

Phil Meuser-Schaede, owner, Trasswerke Meurin

## REDUCING THE TOTAL COST OF OWNERSHIP



Hitachi has created the Support Chain after-sales programme to ensure optimum efficiency, as well as minimal downtime, reduced running costs and high resale values.

### Global e-Service

Hitachi has developed two remote monitoring systems as part of its Global e-Service online application. Owner's Site and ConSite are an integral part of the excavator, which sends operational data daily via GPRS or satellite to [www.globaleservice.com](http://www.globaleservice.com). This allows immediate access to the Owner's Site, and the vital information that is required for support on job sites.

Comparing the ratio of operating and non-operating hours helps to enhance efficiency. Effective management of maintenance programmes helps to

maximise availability. Running costs can also be managed by analysing the fuel consumption. The location and movements of each machine are clearly displayed for essential planning.

An automatic service report – ConSite – sends a monthly email summarising the information from Global e-Service for each machine. This includes: daily working hours and fuel consumption data; statistics on the operating mode ratio, plus a comparison for fuel consumption/efficiency, and CO<sub>2</sub> emissions.

### Technical support

Each Hitachi service technician receives full technical training from HCME in Amsterdam. These sessions provide access to the same technical knowledge available within the Hitachi quality assurance departments and design centres. Technicians combine this global expertise with the local language and culture of the customer to provide the highest level of after-sales support.

### Extended warranty and service contracts

Every new Hitachi ZW-6 model is covered by a full manufacturer's warranty. For



Global e-Service



Technical support



Hitachi Parts

extra protection – due to severe working conditions or to minimise equipment repair costs – Hitachi dealers offer a unique extended warranty called HELP (Hitachi Extended Life Program) and comprehensive service contracts. These can help to optimise the performance of each machine, reduce downtime and ensure higher resale values.

## Parts

Hitachi offers a wide range and a high availability of parts dispatched from the

53,000 m<sup>2</sup> HCME European Parts Depot in The Netherlands.

- Hitachi Genuine Parts: allow machines to work for longer, with lower running and maintenance costs.
- Hitachi Select Parts and 2Genuine Parts: especially for older machines, they cost less, are of proven quality and come with the manufacturer's warranty.

- Performance Parts: to cope with highly demanding conditions, they have been engineered for greater durability, better performance or longer life.
- Remanufactured components: offering an economically viable solution, they are the best option when preventative replacements are required.

Whatever the choice, the renowned quality of Hitachi construction machinery is assured.



Compact wheel loaders



ZAXIS excavators



EH dump trucks



“ We develop construction machinery that contributes to the creation of affluent and comfortable societies ”

Koutarou Hirano, HCM President

## BUILDING A BETTER FUTURE

Established in 1910, Hitachi, Ltd. was built upon a founding philosophy of making a positive contribution to society through technology. This is still the inspiration behind the Hitachi group's reliable solutions that answer today's challenges and help to create a better world.

Hitachi, Ltd. is now one of the world's largest corporations, with a vast range of innovative products and services. These have been created to challenge convention, improve social infrastructure and contribute to a sustainable society.

Hitachi Construction Machinery Co., Ltd. (HCM) was founded in 1970 as a subsidiary of Hitachi, Ltd. and has become one of the world's largest construction equipment suppliers. A pioneer in producing hydraulic excavators, HCM also manufactures wheel loaders, rigid dump trucks, crawler cranes and special application machines at state-of-the-art facilities across the globe.

Incorporating advanced technology, Hitachi construction machinery has a reputation for the highest quality standards. Suitable for a wide range of industries, it is always

hard at work around the world – helping to create infrastructure for a safe and comfortable way of living, developing natural resources and supporting disaster relief efforts.

Hitachi ZW wheel loaders are renowned for being reliable, durable and versatile – capable of delivering the highest levels of productivity under the most challenging of conditions. They are designed to provide owners with a reduced total cost of ownership, and operators with the ultimate level of comfort and safety.

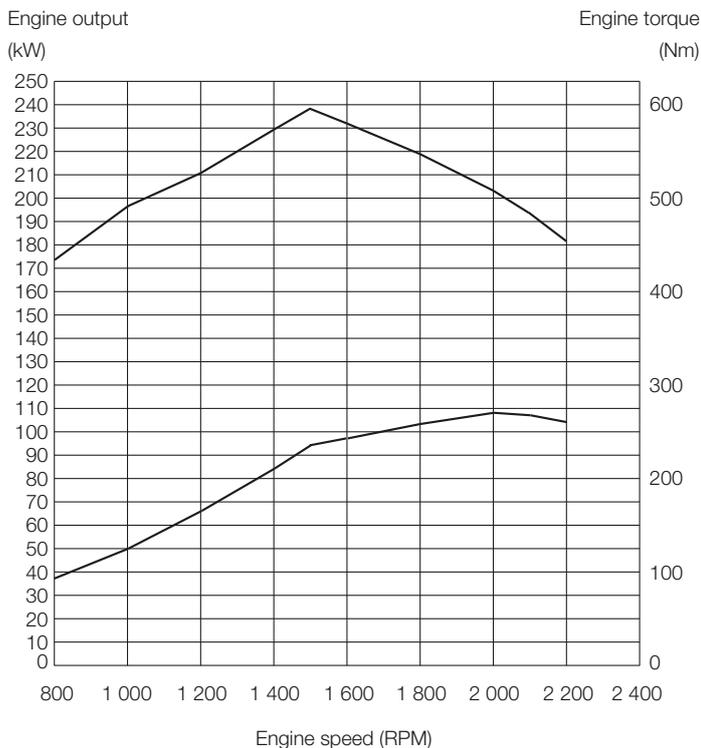


EX ultra-large excavators

# SPECIFICATIONS

## ENGINE

Model .....	CUMMINS QSB4.5
Type .....	4-cycle water-cooled, direct injection
Aspiration .....	Turbocharger and intercooled
Aftertreatment .....	DOC and SCR system
No. of cylinders .....	4
Maximum rated power	
ISO 14396, gross .....	104 kW (141 HP) at 2 200 min <sup>-1</sup> (rpm)
ISO 9249, net .....	103 kW (140 HP) at 2 200 min <sup>-1</sup> (rpm)
Maximum torque .....	597 Nm at 1 500 min <sup>-1</sup> (rpm)
Bore and stroke .....	107 mm x 124 mm
Piston displacement .....	4.460 L
Batteries .....	2 x 12 V
Air cleaner .....	Two element dry type with restriction indicator
Emission .....	Complies with EU stage IV and US EPA Tier 4 Final



## POWER TRAIN

Transmission .....	Electrical-controlled 2 motor hydrostatic transmission with summation gear box, Gear box : Fixed gear ratio, powershift countershaft type
Cooling method .....	Forced circulation type
Travel speed* Forward / Reverse	
1st .....	7.0 / 7.0 km/h
2nd .....	13.0 / 13.0 km/h
3rd .....	20.0 / 20.0 km/h
4th .....	39.0 / 39.0 km/h
* With 20.5 R25 (L3) tires	

## AXLE AND FINAL DRIVE

Drive system .....	Four-wheel drive system
Front & rear axle .....	Semi-floating
Front .....	Fixed to the front frame
Rear .....	Trunnion support
Reduction and differential gear .....	Two stage reduction with torque proportional differential
Oscillation angle .....	Total 20° (+10°, -10°)
Final drives .....	Heavy-duty planetary, mounted inboard

## TIRES

Tire size .....	20.5 R25 (L3)
Optional .....	Refer to standard & optional equipment list

## BRAKES

Service brakes .....	Inboard mounted fully hydraulic 4 wheel wet disc brakes. Front & rear independent brake circuit, HST (Hydro Static Transmission) system provides additional hydraulic braking capacity
Parking brakes .....	Spring applied, hydraulically released, wet disc type

## STEERING SYSTEM

Type .....	Articulated frame steering
Steering angle .....	Each direction 40° ; total 80°
Cylinders .....	Double-acting piston type
No. x Bore x Stroke .....	2 x 65 mm x 419 mm

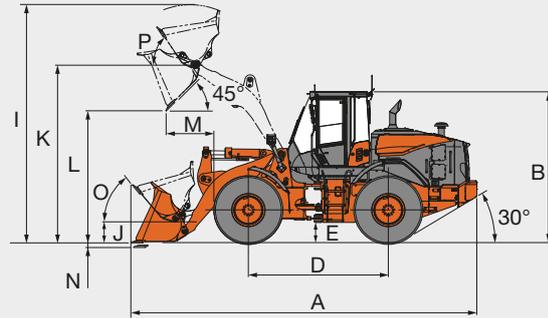
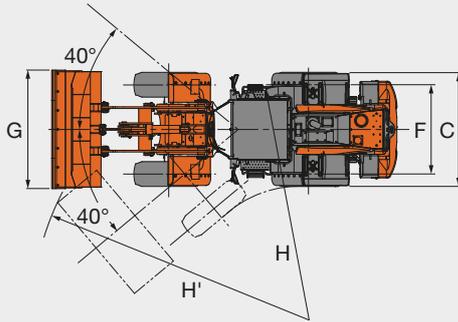
## HYDRAULIC SYSTEM

Arm and bucket are controlled by multi function control lever	
Arm controls .....	Four position valve ; Raise, hold, lower, float
Bucket controls with automatic bucket return to-dig control .....	Three position valve ; Roll back, hold, dump
Main pump (Load & steer)	
.....	Gaer type 194 L/min at 2 200 min <sup>-1</sup> (rpm) at 20.6 MPa (210 kgf/cm <sup>2</sup> )
Relief pressure setting .....	20.6 MPa (210 kgf/cm <sup>2</sup> )
HST charging pump .....	Gear type 53.9 L/min at 2 200 min <sup>-1</sup> (rpm) at 2.45 MPa (25 kgf/cm <sup>2</sup> )
Transmission charging pump	
.....	Gear type 17.6 L/min at 2 200 min <sup>-1</sup> (rpm) at 1.96 MPa (20 kgf/cm <sup>2</sup> )
ZW150-6 Hydraulic cylinders	
Type .....	Double acting type
No. x Bore x Stroke ...	Arm : 2 x 125 mm x 760 mm Bucket : 1 x 150 mm x 495 mm
ZW150PL-6 Hydraulic cylinders	
Type .....	Double acting type
No. x Bore x Stroke ...	Arm : 2 x 125 mm x 760 mm Bucket : 2 x 110 mm x 1 005 mm
Filters .....	Full-flow 10 micron return filter in reservoir
Hydraulic cycle times	
Lift arm raise .....	ZW150-6 : 6.0 s ZW150PL-6 : 6.0 s
Lift arm lower .....	ZW150-6 : 4.5 s ZW150PL-6 : 3.4 s
Bucket dump .....	ZW150-6 : 1.4 s ZW150PL-6 : 3.4 s
Total .....	ZW150-6 : 11.9 s ZW150PL-6 : 12.8 s

## SERVICE REFILL CAPACITIES

Fuel tank .....	190 L
Engine coolant .....	10 L
Engine oil .....	16 L
Front axle differential & wheel hubs .....	25 L
Rear axle differential & wheel hubs .....	25 L
Hydraulic oil tank .....	80 L
DEF/AdBlue® tank .....	12 L

## DIMENSIONS & SPECIFICATIONS ZW150-6



Bucket type			Standard arm		High lift arm			
			General purpose		General purpose			
			Bolt-on cutting edge	Weld-on adaptor & teeth	Bolt-on cutting edge	Weld-on adaptor & teeth	Bolt-on cutting edge	Weld-on adaptor & teeth
Bucket capacity	ISO heaped	m <sup>3</sup>	2.3	2.2	2.0	1.9	2.3	2.2
	ISO struck	m <sup>3</sup>	1.9	1.8	1.6	1.6	1.9	1.8
A Overall length		mm	7 465		7 635		7 945	
B Overall height		mm			3 265			
C Width over tires		mm			2 490			
D Wheel base		mm			3 000			
E Ground clearance		mm			430			
F Tread		mm			1 930			
G Bucket width		mm			2 535			
H Turning radius (Centerline of outside tire)		mm			5 085			
H' Loader clearance circle, bucket in carry position		mm	5 955	6 000	6 135	6 185	6 160	6 215
I Overall operating height		mm	5 110	5 110	5 375	5 375	5 470	5 470
J Carry Height of bucket pin		mm	515	515	515	515	515	515
K Height to bucket hinge pin, fully raised		mm	3 835	3 835	4 200	4 200	4 200	4 200
L Dumping clearance 45 degree, full height		mm	2 810	2 690	3 230	3 120	3 170	3 050
M Reach, 45 degree dump, full height		mm	1 040	1 180	1 170	1 300	1 240	1 370
N Digging depth (Horizontal digging angle)		mm	110	90	290	280	290	280
O Max. roll back at carry position		deg	46					
P Roll back angle at full height		deg	55		50			
Static tipping load *	Straight	kg	10 220	10 350	8 200	8 320	8 050	8 170
	Full 40 degree turn	kg	8 860	8 980	7 080	7 200	6 930	7 050
Breakout force		kgf	9 800	8 450	10 430	11 070	9 590	8 280
		kN	96.1	82.9	102.3	108.5	94.1	81.1
Operating weight *		kg	12 290	12 250	12 500	12 430	12 520	12 480

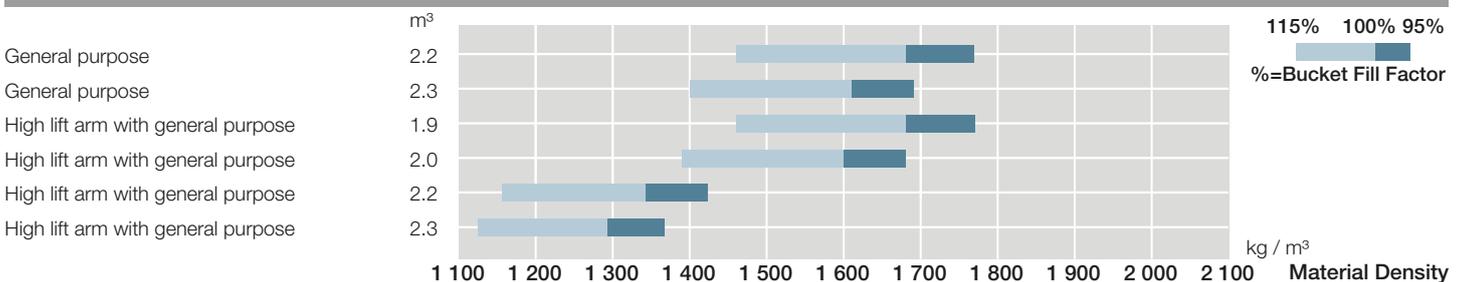
Note: All dimensions, weight and performance data based on ISO 6746-1:1987, ISO 7137:2009 and ISO 7546:1983

\*: Static tipping load and operating weight marked with\* include 20.5R25 (L3) tires (No ballast) with lubricants, full fuel tank and operator.  
Machine stability and operating weight depend on counterweight, tire size and other attachments.

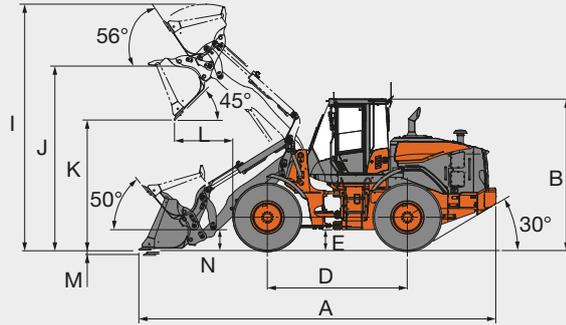
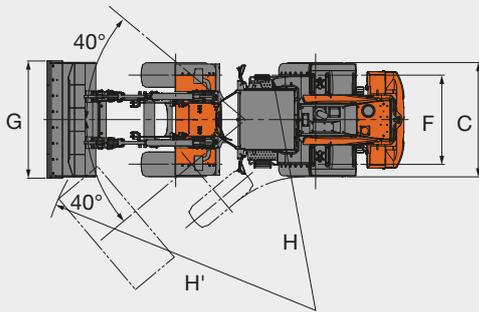
## WEIGHT & SPECIFICATION CHANGES

Option item		Operating weight (kg)	Tipping load (kg)		Overall width (mm) (outside tire)	Overall height (mm)	Overall length (mm)
			Straight	Full turn			
Tire	20.5R25(L3)XHA2	±0	±0	±0	±0	±0	±0
	20.5R25(L5)XLDD2A	+530	+380	+340	+25	+30	-25
	20.5R25(L5)XMIND2	+300	+210	+190	+20	+35	-30
Belly guard		+70	+50	+40	±0	±0	±0

## BUCKET SELECTION GUIDE

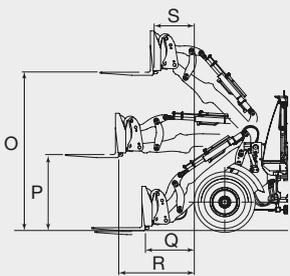


## DIMENSIONS & SPECIFICATIONS ZW150PL-6



Bucket type			General purpose	
			Bolt-on cutting edge	Weld-on adaptor & teeth
Bucket capacity	ISO heaped	m <sup>3</sup>	2.1	2.0
	ISO struck	m <sup>3</sup>	1.7	1.7
A Overall length		mm	7 800	7 980
B Overall height		mm		3 265
C Width over tires		mm		2 490
D Wheel base		mm		3 000
E Ground clearance		mm		430
F Tread		mm		1 930
G Bucket width		mm		2 535
H Turning radius (Centerline of outside tire)		mm		5 085
H' Loader clearance circle, bucket in carry position		mm	5 980	6 030
I Overall operating height		mm		5 290
J Height to bucket hinge pin, fully raised		mm		3 980
K Dumping clearance 45 degree, full height		mm	2 800	2 680
L Reach, 45 degree dump, full height		mm	1 250	1 380
M Digging depth (Horizontal digging angle)		mm	110	100
N Carry height of bucket pin		mm		525
Bucket weight		kg	1 290	1 240
Static tipping load *	Straight	kg	8 990	9 030
	Full 40 degree turn	kg	7 760	7 800
Breakout force		kgf	10 900	9 560
		kN	106.9	93.7
Operating weight *		kg	13 100	13 050

### WITH FORK ATTACHMENT



Attachment type		Fork
O	Max. stacking height	mm
P	Height of fork at maximum reach	mm
Q	Reach at ground level	mm
R	Max. reach	mm
S	Reach at max. stacking height	mm
Static tipping load	Straight	kgf
	Full 40 degree turn	kgf
	Max. payload per EN 474-3, 80 %	kg
	Max. payload per EN 474-3, 60 %	kg
	Fork tine length	mm
	Operating weight *	kg

Note: All dimensions, weight and performance data based on ISO 6746-1:1987, ISO 7137:1997, ISO 7546:1983 and ISO 8313:1989

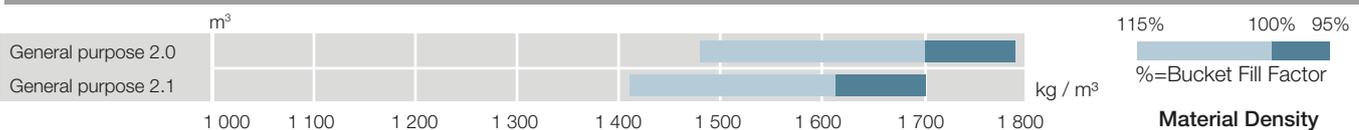
\*: Static tipping load and operating weight marked with\* include 20.5R25 (L3) tires (No ballast) with lubricants, full fuel tank and operator.

Machine stability and operating weight depend on counterweight, tire size and other attachments.

### WEIGHT & SPECIFICATION CHANGES

Option item	Operating weight (kg)	Tipping load (kg)		Overall width (mm) (outside tire)	Overall height (mm)	Overall length (mm)
		Straight	Full turn			
Tire	20.5R25(L3)XHA2	±0	±0	±0	±0	±0
	20.5R25(L5)XLD D2A	+460	+290	+25	+30	-25
	20.5R25(L5)XMINE D2	+620	+400	+340	+20	+35
Belly guard	+70	+50	+40	±0	±0	±0

### BUCKET SELECTION GUIDE



# EQUIPMENT

OPERATOR'S STATION	ZW150-6	ZW150PL-6
Adjustable steering column with POP-UP	●	●
AM/FM radio with AUX for digital audio player	●	●
Ashtray, cigar lighter	●	●
Auto control air conditioner	●	●
with single intake filter	●	●
with double intake filters	○	○
Coat hook	●	●
Front/Rear defroster	●	●
Glove compartment	●	●
Rear view camera & monitor	●	●
Rear view mirrors		
Inside (2)	●	●
Outside (2)	●	●
Outside (Heated, 2)	○	○
Retractable seat belt, 50 mm	●	●
ROPS (ISO 3471), FOPS (ISO 3449): multi-plane isolation mounted for noise, vibration reduction	●	●
Rubber floor mat	●	●
Seat		
Air suspension seat with headrest and heater: fabric, high back, adjustable for damper, inclination of the seat, seat depth, weight-height, fore-aft position, reclining angle, armrest angle, headrest height and angle, lumbar support	●	●
Air suspension seat (heavy duty) with headrest and heater: fabric, high back, adjustable for damper, inclination of the seat, seat depth, weight-height, fore-aft position, reclining angle, armrest angle, headrest height and angle, lumbar support	○	○
Storage		
Cup holder	●	●
Digital audio player holder	●	●
Document holder	●	●
Hot & cool box	●	●
Seatback pocket	●	●
Sun visor	●	●
Textured steering wheel with spinner knob	●	●
Tinted safety glass: others : tempered, windshield : laminated	●	●
Windshield washer front and rear	●	●
Windshield wipers front and rear	●	●

ELECTRICAL SYSTEM	ZW150-6	ZW150PL-6
Backup alarm	●	●
Batteries		
Standard batteries (120AH-760A)	●	●
Large capacity batteries (155AH-900A)	○	○
Battery disconnect switch	●	●
12 V power outlet	○	○

LIGHTS	ZW150-6	ZW150PL-6
Brake & tail lights (LED)	●	●
Clearance lights	●	●
Headlights	●	●
Rotating lamp	○	○
Turn signals with hazard switch	●	●

● ..... Standard equipment      ○ ..... Optional equipment

LIGHTS	ZW150-6	ZW150PL-6
Work lights		
Front lights on cab (2)	●	●
Rear lights on rear grille side cover (2)	●	●
Additional front lights on cab (2)	○	○
Rear lights on cab (2)	○	○
Additional LED front lights on cab (2)	○	○
LED rear lights on cab (2)	○	○

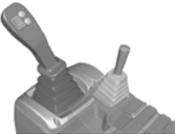
POWER TRAIN	ZW150-6	ZW150PL-6
Creep mode switch	●	●
Differential		
TPD (Torque Proportioning Differential, front and rear)	●	●
LSD (Limited Slip Differential, front and rear)	○	○
Driving speed limiter (20 km/h)	○	○
Electrically controlled HST system	●	●
Forward/Reverse lever	●	●
Forward/Reverse selector switch	●	●
Power mode switch	●	●
Traction control switch	●	●
1st speed limit switch	●	●

ENGINE	ZW150-6	ZW150PL-6
Air intake		
Rain cap	●	●
Pre-cleaner (Cyclone type)	○	○
Pre-cleaner (Turbo II)	○	○
Air filter double elements	●	●
Automatic reversible cooling fan with heat sensing	●	●
Cartridge-type engine oil filter	●	●
Cartridge-type fuel pre-filter (with water separator function)	●	●
Cartridge-type fuel main filter	●	●
Coolant reserver sight gauge	●	●
DEF/AdBlue® tank with ISO magnet adapter	●	●
Engine auto shut-down control system	○	○
Engine oil remote drain	●	●
Fan guard	●	●
Radiator		
Standard fin pitch radiator	●	●
Anti-clogging radiator (Wide fin pitch)	○	○

MONITORING SYSTEM	ZW150-6	ZW150PL-6
Gauge: coolant temperature, fuel level, HST oil temperature	●	●
Indicator lights: air filter restriction, clearance lights, control lever lock, discharge warning, emergency steering, engine warning, fan reverse, forward/reverse selector switch, fuel filter restriction, high beam, HST oil temperature, HST warning, maintenance, parking brake, power mode, preheat, seat belt, service, turn signal, water separator, work lights, Aftertreatment Device Regeneration Request (Yellow), Aftertreatment Device Regeneration Inhibit Alarm (Yellow)	●	●
LCD monitor display: clock, ECO, F-N-R/Shift position, hour meter, odometer, replacement intervals, ride control, speedometer, traction control switch, DEF/AdBlue® Level Gauge	●	●
Warning lights: brake oil low pressure, engine oil low pressure, hydraulic oil level, overheat, steering oil low pressure, Urea Alarm	●	●

BRAKE SYSTEM	ZW150-6	ZW150PL-6
Front & rear independent brake circuit	●	●
Inboard mounted fully hydraulic 4 wheel wet disc	●	●
Spring applied/Hydraulic-released parking brake	●	●

HYDRAULIC SYSTEM	ZW150-6	ZW150PL-6
Bucket auto leveler (Automatic return to dig control)	●	●

Control lever		
for 3 spools control valve		
MF lever & AUX lever for 3rd function 	●	○
2 levers & AUX levers for 3rd function - Inside layout pattern (3rd - bucket - liftarm) 	○	●
for 4 spools control valve		
MF lever & AUX joystick lever for 3rd & 4th function 	○	-
2 levers & AUX 2 levers for 3rd & 4th function - Inside layout pattern (4th - 3rd - bucket - liftarm) 	○	-
Control lever lock switch	●	●
Hydraulic filters	●	●
Lift arm kick-out system	●	●
Lift arm float system	●	●
Reservoir sight gauge	●	●
Ride control system (OFF-AUTO type)	●	●

TIRES	ZW150-6	ZW150PL-6
20.5R25 (L3) XHA2	●	●
20.5R25 (L5) XLDD2A	○	○
20.5R25 (L5) XMINED2	○	○

MISCELLANEOUS	ZW150-6	ZW150PL-6
Articulation lock bar	●	●
Belly guard (Bolt on)	○	○
Bucket cylinder guard	○	○
Counterweight, built-in	●	●
Bucket cutting edge protection	○	○
Drawbar with locking pin	●	●
Emergency steering	●	●
Fenders		
for 20.5 R25 (Front & full covered rear fenders with mud flaps)	●	●
Front windshield guard	○	○
Global e-Service	●	●
Lift arm		
Standard lift arm	●	-
High lift arm	○	-
Parallel lift arm	-	●
Lift & tie down hooks	●	●
On board information controller	●	●
Pilfer proof		
Battery cover with locking bracket	●	●
Lockable engine cover	●	●
Lockable fuel refilling cap	●	●
Quick coupler (ISO 23727)	-	●
Rear licence plate bracket	○	○
Road homologation		
German road homologation kit: rearlicense plate bracket, reflective sticker, wheel blocks	○	○
Italian road homologation kit: cab lights, bucket cutting edge protection, link stopper, rear license plate bracket, reflective sticker, rotating lamp	○	○
Standard tool kit	●	●
Wheel blocks	○	○

Standard and optional equipment may vary by country, so please consult your Hitachi dealer for details.







Prior to operating this machine, including satellite communication system, in a country other than a country of its intended use, it may be necessary to make modifications to it so that it complies with the local regulatory standards (including safety standards) and legal requirements of that particular country. Please do not export or operate this machine outside the country of its intended use until such compliance has been confirmed. Please contact your Hitachi dealer in case of questions about compliance.

These specifications are subject to change without notice. Illustrations and photos show the standard models, and may or may not include optional equipment, accessories, and all standard equipment with some differences in color and features. Before use, read and understand the Operator's Manual for proper operation.

