ZW-6 series

HITACHI

Reliable solutions

ZW120/140/150/150PL

Machine representative of global product.
Options may not be available in all markets.

WHEEL LOADER

Model:	ZW120-6	ZW140-6	ZW150-6	ZW150PL-6
Gross engine rated power:	101 hp/74 kW (ISO14396)	141 hp/104 kW (ISO14396)	141 hp/104 kW (ISO14396)	141 hp/104 kW (ISO14396)
Operating weight:	18,590–19,850 lb (8,430–9,000 kg)	25,640–26,150 lb (11,610–11,820 kg)	26,960–27,470 lb (12,230–12,460 kg)	26,960–27,470 lb (12,230–12,460 kg)
Bucket ISO heaped:	2.0–2.4 yd^3 (1.5–1.8 m^3)	2.7– 3.1 yd^3 (2.1–2.4 m^3)	3.1–3.5 yd^3 (2.4–2.7 m^3)	2.7 yd^3 (2.1 m^3)

NO COMPROMISE

Offering exceptional levels of performance without compromising on efficiency, Hitachi ZW-6 wheel loaders are designed to satisfy the requirements of the North American 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 ZW-6 wheel loaders have been developed to perfection. They incorporate 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 minimizes 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 Tier 4 Final engine without DPF.

Low running costs
6%* fuel saving in V-shaped loading (19%* in travelling operations).

*ZW140-6/ZW150-6/ ZW150PL-6 only

Exceptional durability
Developed in-house, the front frame has been reinforced (ZW140-6 and ZW150-6).

Convenient access
Easy-to-open wide engine covers.

FIRST FOR RELIABILITY

Renowned for reliability, Hitachi ZW-6 wheel loaders achieve exceptional levels of performance and efficiency with minimum downtime. The ZW120-6/ZW140-6/ZW150-6/ZW150PL-6 have been designed with several user-friendly features that ensure quick and easy maintenance, and also contribute to lower running costs.

Minimal downtime

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

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 ZW-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 standard. This helps to avoid electrical accidents and retain battery energy during long-term storage.

Reduced cost

The new Tier 4 Final certified 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.

Reinforced front frame in the ZW140-6, 150-6 and 150PL-6.

Wide fin coolers reduce heat and increase radiator durability

The final pre-delivery 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. They also contribute to its reliable operation, particularly when working in challenging environments.

The optional belly guard provides added protection.

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 to improve durability.

Durable materials
High-quality radiators improve resistance to corrosion and enhance the overall durability.

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

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.

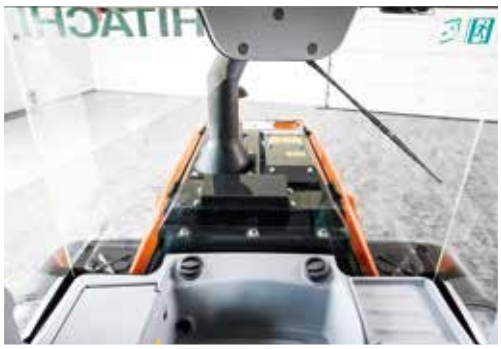
Efficient flexibility
The quick power switch increases engine output when more power is instantly required, or when driving uphill.

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 helps to avoid tire slippage, and ultimately prevents wear and fuel waste, 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.

The ride control feature ensures smooth performance.

The traction control system reduces tire slippage in wet or wintry conditions.

The cab provides a quiet and comfortable working environment.

Easy access for maintenance from ground level.

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

INDUSTRY-LEADING QUALITY

To set industry-leading standards in terms of performance, reliability, comfort and safety, the ZW120/ZW140-6/ZW150-6/ZW150PL-6 have 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.

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

Reduced emission

A selective catalytic reduction (SCR) system injects urea into exhaust gas to reduce nitrous oxide from emissions. This cutting-edge technology not only helps the environment, but also complies with Tier 4 Final emission regulations.

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.

Excellent visibility

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

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.

UNIQUE TECHNOLOGY

Advanced technology developed by Hitachi is at the heart of the ZW-6 wheel loaders. 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 Tier 4 Final certified 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 standard auto idle shutdown feature* helps to prevent fuel waste, as well as reduce noise levels, exhaust emissions and CO_2 levels in the medium wheel loaders.
*ZW140-6/ZW150-6/ZW150PL-6 only

Optimum performance

The 1st speed select switch in combination with the creep mode switch* optimize the usage on different job sites and with hydraulic attachments.
*ZW140-6/ZW150-6/ZW150PL-6 only

Remote monitoring

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

Smooth operation

The ZW120-6, ZW140-6, and ZW150-6 are easy to maneuver 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.

1st speed select switch optimize performance on different job sites.

The HST control system enables a smooth performance.

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

REDUCING THE TOTAL COST OF OWNERSHIP

SUPPORT CHAIN

Hitachi has created the Support Chain after-sales program 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 wheel loader, which sends operational data daily via GMS to 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 programs helps to maximize availability. Running costs can also be managed by analyzing 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 summarizing 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 emissions.

Technical support

Each Hitachi service technician receives full technical training from HCMA in the USA. These sessions provide access to the same technical knowledge available within the Hitachi quality assurance departments and design centers. 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 extra protection — due to severe working

Global e-Service

Technical support

Hitachi Parts

conditions or to minimize equipment repair costs — Hitachi dealers offer a unique extended warranty called HELP (Hitachi Extended Life Program) and comprehensive service contracts. These can help to optimize the performance of each machine, reduce downtime and ensure higher resale values.

Parts

Hitachi offers a wide range and a high availability of parts provided by HCMA's US parts warehouse.

- Hitachi Genuine Parts: allow machines to work longer, with lower running and maintenance costs.
- Hitachi Select Parts and Genuine Parts: 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.
- Genuine Hitachi rebuilt components are available from HCMA's in-house rebuild center and are offered with a standard warranty.

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


HITACHI
ZW150
HITACHI

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.

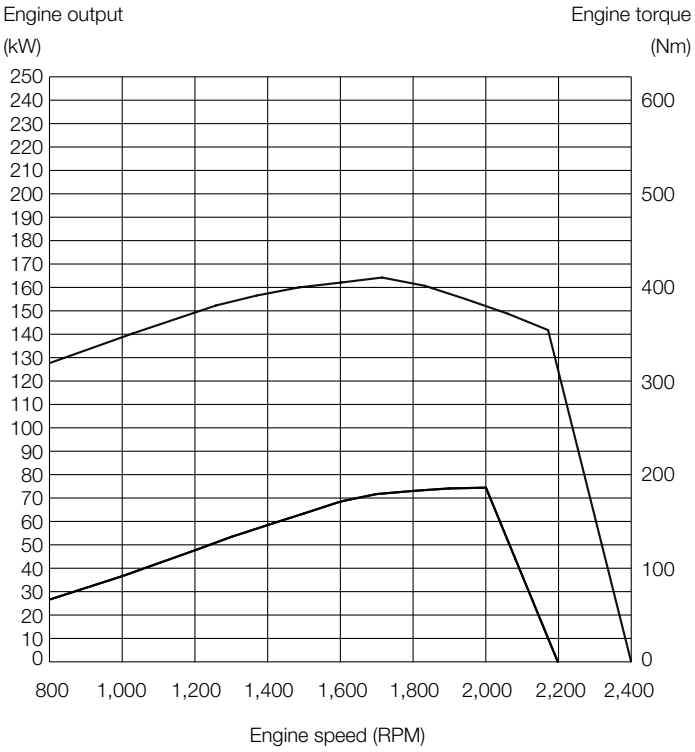
Hitachi ZW wheel loaders are renowned for being reliable, durable and versatile – capable of delivering the highest levels of productivity under the most challenging of conditions. They are designed to provide owners with a reduced total cost of ownership, and operators with the ultimate level of comfort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

SPECIFICATIONS

ZW120-6

ENGINE

Model	DEUTZ TCD3.6L4F
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	101 hp (74 kW) at 2,000 min^{-1} (rpm)
ISO 9249, net	96 hp (71 kW) at 2,000 min^{-1} (rpm)
Maximum torque	400 Nm at 1,600 min^{-1} (rpm)
Bore and stroke	3.9 in x 4.7 in (98 mm x 120 mm)
Piston displacement	221 in^3 (3.621 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



POWERTRAIN

Transmission	Electrical-controlled 1 motor hydrostatic transmission with gear box, Gear box: Fixed gear ratio, powershift countershaft type
Cooling method	Forced circulation type
Travel speed* Forward / Reverse	
1st	11.5 / 7.1 km/mph
2nd	21.4 / 34.5 km/mph

* With 17.5-25-12PR (L-2) tire

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

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 2.4 in x 15.6 in (2 x 60 mm x 395 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)	Gear type 32.0 gal/min (121 L/min) at 2,000 min^{-1} (rpm) at 20.6 MPa (210 kgf/cm^2)
Relief pressure setting	20.6 MPa (210 kgf/cm^2)
HST charging pump	Gear type 10.4 gal/min (39.2 L/min) at 2,000 min^{-1} (rpm) at 2.5 MPa (25 kgf/cm^2)
Transmission charging pump	Gear type 5.9 gal/min (22 L/min) at 2,000 min^{-1} (rpm) at 1.8 MPa (18 kgf/cm^2)
Hydraulic cylinders	
Type	Double acting type
No. x Bore x Stroke	Arm: 2 x 4.1 in x 28.0 in (2 x 105 mm x 710 mm) Bucket: 1 x 4.9 in x 17.5 in (1 x 125 mm x 445 mm)
Filters	Full-flow 10 micron return filter in reservoir

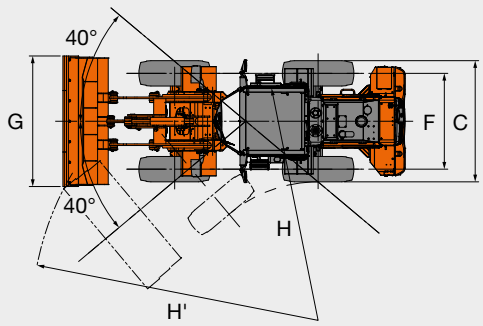
Hydraulic cycle times

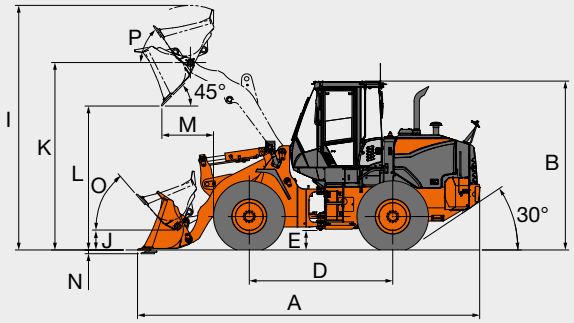
Lift arm raise	6.6 s
Lift arm lower	2.7 s
Bucket dump	1.6 s
Total	10.9 s

SERVICE REFILL CAPACITIES

Fuel tank	39.62 gal	(150 L)
Engine coolant	4.20 gal	(16 L)
Engine oil	2.80 gal	(10.5 L)
Front axle differential & wheel hubs	3.70 gal	(14 L)
Rear axle differential & wheel hubs	3.70 gal	(14 L)
Hydraulic oil tank	39.62 gal	(150 L)
DEF/AdBlue® tank	4.50 gal	(17 L)

DIMENSIONS & SPECIFICATIONS





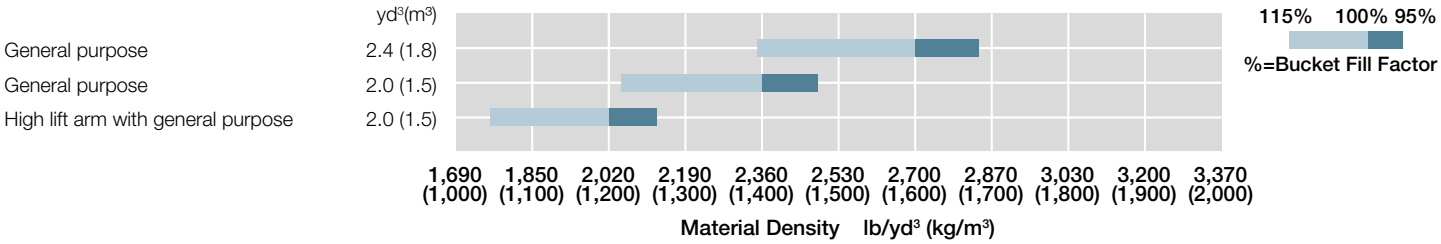
Bucket type			Standard arm		High lift arm
			General purpose		General purpose
			Bolt-on cutting edge		
Bucket capacity	ISO heaped	yd³ (m³)	2.0 (1.5)	2.4 (1.8)	2.0 (1.5)
	ISO struck	yd³ (m³)	1.6 (1.2)	1.5 (1.4)	1.6 (1.2)
A Overall length		ft (mm)	21.0 (6,545)	21.3 (6,650)	21.0 (7,105)
B Overall height		ft (mm)	10.5 (3,210)		
C Width over tires		ft (mm)	7.4 (2,270)		
D Wheel base		ft (mm)	8.9 (2,725)		
E Ground clearance		in (mm)	14.6 (370)		
F Tread		ft (mm)	6.0 (1,820)		
G Bucket width		ft (mm)	8.0 (2,450)		
H Turning radius (Centerline of outside tire)		ft (mm)	16.2 (4,915)		
H' Loader clearance circle, bucket in carry position		ft (mm)	17.8 (5,430)	17.9 (5,460)	18.4 (5,610)
I Overall operating height		ft (mm)	15.3 (4,650)	15.6 (4,760)	16.4 (4,990)
J Carry Height of bucket pin		ft (mm)	1.5 (455)	1.5 (455)	1.5 (455)
K Height to bucket hinge pin, fully raised		ft (mm)	11.7 (3,560)	11.7 (3,560)	12.8 (3,900)
L Dumping clearance 45 degree, full height		ft (mm)	8.9 (2,705)	8.6 (2,630)	10.0 (3,040)
M Reach, 45 degree dump, full height		ft (mm)	3.3 (1,010)	3.5 (1,080)	3.9 (1,190)
N Digging depth (Horizontal digging angle)		in (mm)	2.8 (70)	2.8 (70)	8.3 (210)
O Max. roll back at carry position		deg	49		50
P Roll back angle at full height		deg	56		52
Static tipping load *	Straight	lb (kg)	14,330 (6,500)	14,200 (6,440)	12,940 (5,870)
	Full 40 degree turn	lb (kg)	12,390 (5,620)	12,240 (5,550)	11,140 (5,050)
Breakout force		lbf (kgf)	16,840 (7,520)	14,970 (6,790)	16,590 (7,520)
		kN	74.9	66.6	73.8
Operating weight *		lb (kg)	18,590 (8,430)	18,760 (8,510)	19,850 (9,000)

Note: All dimensions, weight and perfomance data based on ISO 6746-1:1987, ISO 7137:2009 and ISO 7546:1983
: Static tipping load and operating weight marked with include 17.5-25-12PR (L-2) 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 lb (kg)	Tipping load lb (kg)		Overall width in (mm) (outside tire)	Overall height in (mm)	Overall length in (mm)
			Straight	Full turn			
Tire	17.5R25	±0	±0	±0	±0	±0	±0
Belly guard		+154 (70)	+132 (60)	+110 (50)	±0	±0	±0

BUCKET SELECTION GUIDE



EQUIPMENT

ZW120-6

STANDARD EQUIPMENT

ENGINE

- Air cleaner, double element
- Cold start (glow plug)
- Cooler, wide fin
- Deutz TCD36 diesel engine
- EGR system
- Fuel filter (main), w/water separator
- Fuel pre-filter, w/water separator
- SCR catalyst and DOC
- Work mode selector

POWERTRAIN

- Brakes, service
  - Enclosed wet disc
  - Dual system
  - Inboard mounted
- Brake, parking
  - Spring applied
  - Oil pressure released
  - Wet disc type
- Differential, torque proportioning (F/R)
- Drive shafts, low maintenance
- Hydrostatic transmission
- Inching pedal
- Maximum speed adjuster for 1st speed
- Traction control

HYDRAULIC SYSTEM

- Boom kick-out, dual (operator adjustable in cab)
- Bucket positioner
- Control lever, single, pilot-assisted
- Control lever lock (electric)
- Control valve, 3-spool ready, parallel control
- Ride control w/load sensing valve and automatic shut-off
- Quick coupler control, lines and controls
- Pump, gear, fixed displacement
- Steering, orbitrol

ELECTRICAL

- 24-volt electrical system
- Back-up alarm
- Battery disconnect switch
- Converter, 12V/15 Amp
- Horn, dual electric
- Instrument panel, LCD, color
- Lights:
  - 2 Headlights (halogen)
  - 2 Forward working lights (halogen)
  - 4 Rear working lights (halogen)
  - 2 Stop/tail/backup (LED)
- Turn signal w/4-way flashers/marker

CAB

- ROPS cab: Enclosed cab with sound suppression, front & rear wipers and washers, two rear view and side mirrors, tinted glass, full view latch-back doors, sliding side windows.
- Accessory outlet, 12V,
- Adjustable armrest/console, (fore/aft sliding)
- Air conditioner/heater/pressurizer
- AM/FM/WB radio with AUX input
- Ashtray
- Cab dome lamps (2)
- Cigarette lighter
- Coat hook
- Cooler box storage area
- Cup holder (2)
- Floormat
- Retractable seat belt (3 inch)
- ROPS/FOPS certified
- Seat, air suspension, fabric
- Steering column, telescoping and tilting w/quick-release pedal
- Storage box (heated/cooled)
- Sun visor

OTHERS

- Articulation locking bar
- Counterweight
- Drawbar
- Global e-Service, telematic monitoring system (GSM-version w/4 yrs. service)
- Ladders, inclined
- Lifting eyes
- Linkage pins, HN bushing
- Neutral safety start
- Steps, rear
- Z-bar loader linkage

ALARMS, GAUGES, INDICATORS

Alarms (visual & audible)	Brake oil low pressure
	Engine oil low pressure
Gauges	DEF/AdBlue® Level
	Engine coolant temperature
	Fuel gauge
	Overheat (engine coolant)
Indicators	Aftertreatment Device
	Air cleaner element
	Air conditioner display
	Battery discharge warning
	Cold start
	Control lever lock
	Eco-operating status
	Emergency steering
	Engine warning
	Fan reverse rotation
	Fuel filter (water in fuel)
	High beam
	HST oil temperature
	HST warning
	Maintenance
	Operating mode (Normal, Power)
	Parking brake
	Ride control
	Service
	Speedometer
	Time/operating hour/ODO
	Traction control switch
	Turn signal w/4-way flashers/marker
	Work light

OPTIONAL EQUIPMENT

- Belly guard, front chassis, transmission (rear)
- Bolt-on cutting edge & segments
- Camera, rear view
- Fenders, rear, full, w/mudflap
- HID work lights
- High lift boom arm
- Hydraulic system, 3rd function control
- LED work lights
- Pre-cleaner (turbine type)
- Quick coupler & attachments
- Seat, heated
- Secondary steering

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

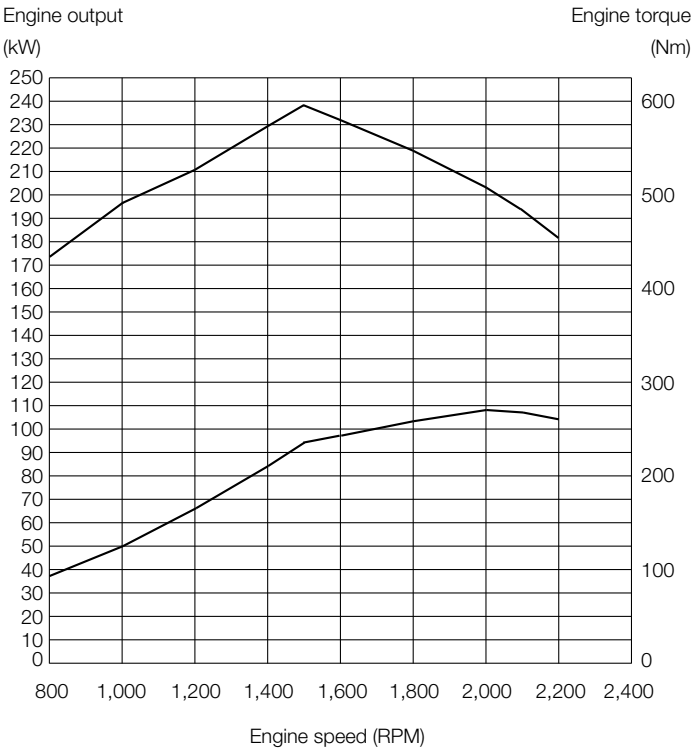
MEMO

SPECIFICATIONS

ZW140-6 / ZW150-6 / ZW150PL-6

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	141 hp (104 kW) at 2,200 min^{-1} (rpm)
ISO 9249, net	140 hp (103 kW) at 2,200 min^{-1} (rpm)
Maximum torque	597 Nm at 1 500 min^{-1} (rpm)
Bore and stroke	4.2 in x 4.9 in (107 mm x 124 mm)
Piston displacement	272.1 in^3 (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



POWERTRAIN

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 / 4.3 km/mph
2nd	13.0 / 8.0 km/mph
3rd	20.0 / 12.42 km/mph
4th	39.0 / 24.2 km/mph

* 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 limited slip differential
Oscillation angle	Total 20° (+10°, -10°)
Final drives	Heavy-duty planetary, mounted inboard

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 2.6 in x 16.5 in (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)	Gear type 51.2 gal/min (194 L/min) at 2 200 min^{-1} (rpm) at 20.6 MPa (210 kgf/cm^2)
Relief pressure setting	20.6 MPa (210 kgf/cm^2)
HST charging pump	Gear type 14.2 gal/min (53.9 L/min) at 2,200 min^{-1} (rpm) at 2.45 MPa (25 kgf/cm^2)
Transmission charging pump	Gear type 4.6 gal/min (17.6 L/min) at 2,200 min^{-1} (rpm) at 1.96 MPa (20 kgf/cm^2)

ZW140-6 / ZW150-6 Hydraulic cylinders

Type	Double acting type
No. x Bore x Stroke	Arm: 2 x 4.9 in x 29.9 in (2 x 125 mm x 760 mm) Bucket: 1 x 5.9 in x 19.5 in (1 x 150 mm x 495 mm)

ZW150PL-6 Hydraulic cylinders

Type	Double acting type
No. x Bore x Stroke	Arm: 2 x 4.9 in x 20.9 in (2 x 125 mm x 760 mm) Bucket: 2 x 4.3 in 39.6 in (2 x 110 mm x 1 005 mm)

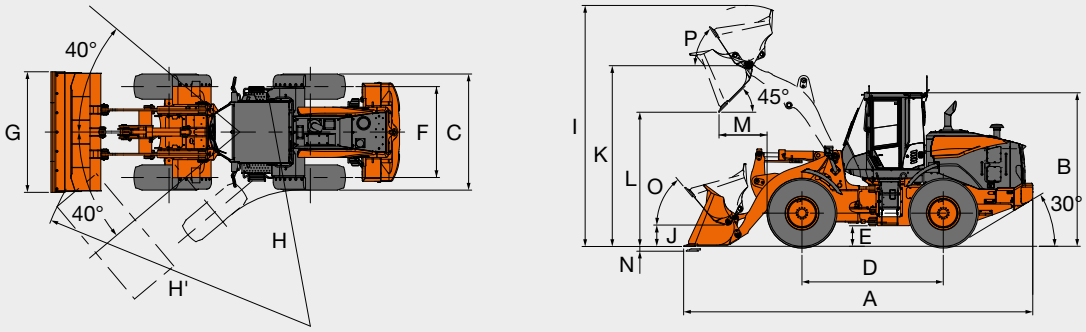
Filters	Full-flow 10 micron return filter in reservoir

Hydraulic cycle times	ZW140-6 / ZW150-6	ZW150PL-6
Lift arm raise	6.0 s	6.0 s
Lift arm lower	4.5 s	3.4 s
Bucket dump	1.4 s	3.4 s
Total	11.9 s	12.8 s

SERVICE REFILL CAPACITIES

Fuel tank	50.2 gal	(190 L)
Engine coolant	2.6 gal	(10 L)
Engine oil	4.2 gal	(16 L)
Front axle differential & wheel hubs	6.6 gal	(25 L)
Rear axle differential & wheel hubs	6.6 gal	(25 L)
Hydraulic oil tank	21.1 gal	(80 L)
DEF/AdBlue® tank	3.2 gal	(12 L)

DIMENSIONS & SPECIFICATIONS



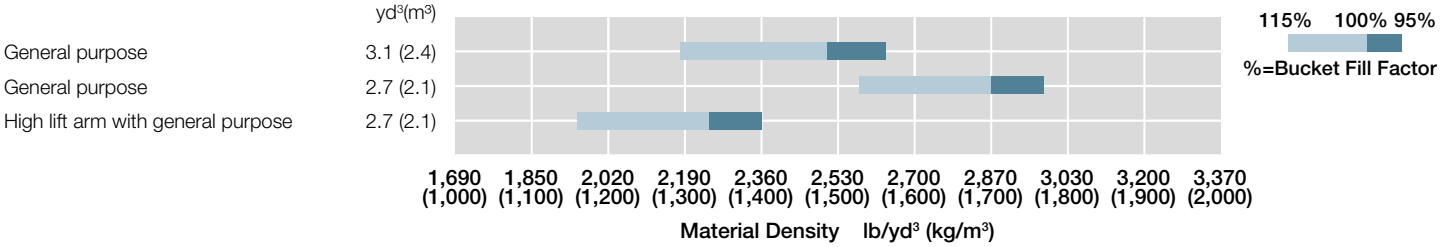
Bucket type			Standard arm		High lift arm
			General purpose	General purpose	General purpose
			Bolt-on cutting edge	Bolt-on cutting edge	Bolt-on cutting edge
Bucket capacity	ISO heaped	yd³ (m³)	2.7 (2.1)	3.1 (2.4)	2.7 (2.1)
	ISO struck	yd³ (m³)	2.4 (1.8)	2.6 (2.0)	2.4 (1.8)
A Overall length		ft (mm)	24.2 (7,380)	24.2 (7,370)	25.7 (7,840)
B Overall height		ft (mm)	10.7 (3,265)		
C Width over tires		ft (mm)	8.2 (2,490)		
D Wheel base		ft (mm)	9.8 (3,000)		
E Ground clearance		in (mm)	16.9 (430)		
F Tread		ft (mm)	6.3 (1,930)		
G Bucket width		ft (mm)	8.4 (2,560)		
H Turning radius (Centerline of outside tire)		ft (mm)	16.7 (5,085)	17.6 (5,355)	17.6 (5,355)
H' Loader clearance circle, bucket in carry position		ft (mm)	19.5 (5,940)	19.5 (5,950)	20.0 (6,100)
I Overall operating height		ft (mm)	16.6 (5,050)	16.9 (5,150)	17.8 (5,420)
J Carry Height of bucket pin		ft (mm)	1.7 (515)	1.7 (515)	1.7 (515)
K Height to bucket hinge pin, fully raised		ft (mm)	12.6 (3,835)	12.6 (3,835)	13.8 (4,200)
L Dumping clearance 45 degree, full height		ft (mm)	9.5 (2,890)	9.3 (2,830)	10.7 (3,255)
M Reach, 45 degree dump, full height		ft (mm)	3.2 (975)	3.4 (1,040)	3.8 (1,170)
N Digging depth (Horizontal digging angle)		in (mm)	3.7 (95)	3.7 (95)	11.0 (280)
O Max. roll back at carry position		deg		50	
P Roll back angle at full height		deg	55	55	50
Static tipping load *	Straight	lb (kg)	20,330 (9,220)	19,970 (9,060)	16,230 (7,360)
	Full 40 degree turn	lb (kg)	17,610 (7,990)	17,310 (7,850)	14 ,000 (6,350)
Breakout force		lb (kgf)	24,054 (10,910)	22,031 (10,446)	23,380 (10,604)
		kN	107	98	104
Operating weight *		lb (kg)	25,640 (11,630)	25,790 (11,700)	26,150 (11,860)

Note: All dimensions, weight and perfomance 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 lb (kg)	Tipping load lb (kg)		Overall width in (mm) (outside tire)	Overall height in (mm)	Overall length in (mm)
			Straight	Full turn			
Tire	17.5-25-12PR (L2)	-1,230 (-560)	-440 (-200)	-400 (-180)	-3.7 (-95)	-3.0 (-75)	2.4 (+60)
	17.5-25-12PR (L3)	-1,040 (-470)	-220 (-100)	-260 (-120)	-3.7 (-95)	-3.0 (-75)	2.4 (+60)
	20.5R25 (L3)	±0	±0	±0	±0	±0	±0
Belly guard		+150 (70)	+70 (30)	+90 (40)	±0	±0	±0

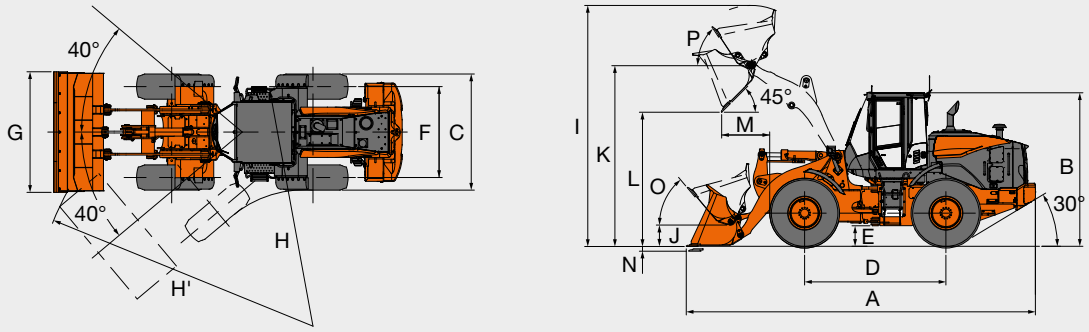
BUCKET SELECTION GUIDE



SPECIFICATIONS

ZW150-6

DIMENSIONS & SPECIFICATIONS



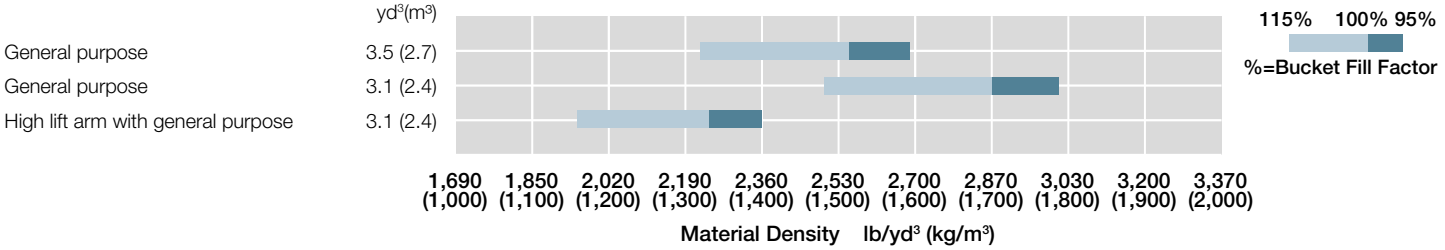
Bucket type			Standard arm		High lift arm
			General purpose	General purpose	General purpose
			Bolt-on cutting edge	Bolt-on cutting edge	Bolt-on cutting edge
Bucket capacity	ISO heaped	yd³ (m³)	3.1 (2.4)	3.5 (2.7)	3.1 (2.4)
	ISO struck	yd³ (m³)	2.6 (2.0)	2.9 (2.2)	2.6 (2.0)
A Overall length		ft (mm)	24.7 (7,530)	24.7 (7,540)	26.0 (7,935)
B Overall height		ft (mm)		10.7 (3,265)	
C Width over tires		ft (mm)	8.2 (2,490)	8.1 (2,465)	8.2 (2,490)
D Wheel base		ft (mm)		9.8 (3,000)	
E Ground clearance		in (mm)		16.9 (430)	
F Tread		ft (mm)		76.0 (1,930)	
G Bucket width		ft (mm)		8.4 (2,560)	
H Turning radius (Centerline of outside tire)		ft (mm)	19.5 (5,955)	16.7 (5,085)	17.6 (5,355)
H' Loader clearance circle, bucket in carry position		ft (mm)	16.7 (5,085)	16.7 (5,085)	16.7 (5,085)
I Overall operating height		ft (mm)	17.03 (5,190)	17.15 (5,230)	18.2 (5,555)
J Carry Height of bucket pin		ft (mm)		1.2 (380)	
K Height to bucket hinge pin, fully raised		ft (mm)	12.6 (3,835)	12.6 (3,835)	13.8 (4,200)
L Dumping clearance 45 degree, full height		ft (mm)	9.3 (2,830)	8.9 (2,720)	10.5 (3,205)
M Reach, 45 degree dump, full height		ft (mm)	3.4 (1,040)	3.4 (1,025)	4.0 (1,220)
N Digging depth (Horizontal digging angle)		in (mm)	3.7 (95)	3.7 (95)	11.0 (280)
O Max. roll back at carry position		deg		50	
P Roll back angle at full height		deg	57	57	52
Static tipping load *	Straight	lb (kg)	23,020 (10,440)	20,233 (9,178)	18,250 (8,280)
	Full 40 degree turn	lb (kg)	20,000 (9,070)	22,708 (10,300)	15,760 (7,150)
Breakout force		lb (kgf)	22,031 (10,446)	19,709 (8,940)	21,356 (9,686)
		kN	98	90	95
Operating weight *		lb (kg)	27,010 (12,250)	39.7 (12,110)	27,540 (12,490)

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.

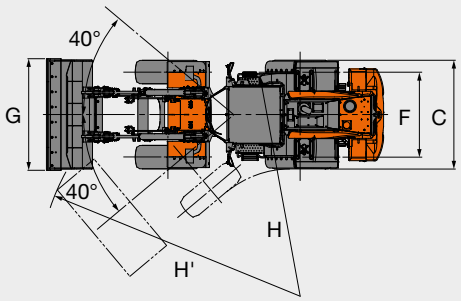
WEIGHT & SPECIFICATION CHANGES

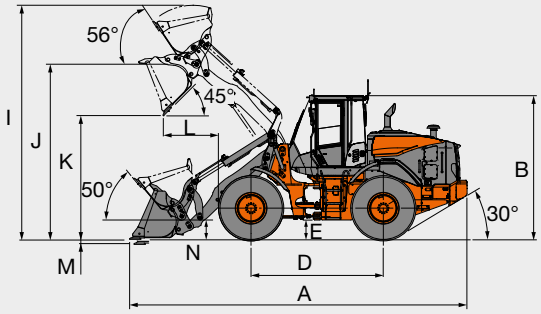
Option item		Operating weight lb (kg)	Tipping load kg (lb)		Overall width mm (in) (outside tire)	Overall height mm (in)	Overall length mm (in)
			Straight	Full turn			
Tire	20.5-25-12PR (L2)	-400 (-180)	-240 (-110)	-260 (-120)	±0	±0	±0
	20.5-25-12PR (L3)	-400 (-180)	-240 (-110)	-260 (-120)	±0	±0	±0
	20.5R25 (L3)	±0	±0	±0	±0	±0	±0
Belly guard		+150 (70)	+70 (30)	+90 (40)	±0	±0	±0

BUCKET SELECTION GUIDE



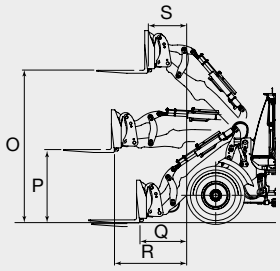
DIMENSIONS & SPECIFICATIONS





Bucket type			General purpose	
			Bolt-on cutting edge	Weld-on adaptor & teeth
Bucket capacity	ISO heaped	yd³ (m³)	2.7 (2.1)	2.6 (2.0)
	ISO struck	yd³ (m³)	2.2 (1.7)	2.2 (1.7)
A Overall length		ft (mm)	25.8 (7,875)	26.1 (7,980)
B Overall height		ft (mm)	10.7 (3,265)	
C Width over tires		ft (mm)	8.2 (2,490)	
D Wheel base		ft (mm)	9.8 (3,000)	
E Ground clearance		in (mm)	16.9 (430)	
F Tread		ft (mm)	6.3 (1,930)	
G Bucket width		ft (mm)	8.3 (2,535)	
H Turning radius (Centerline of outside tire)		ft (mm)	16.7 (5,085)	
H' Loader clearance circle, bucket in carry position		ft (mm)	19.6 (5,980)	19.8 (6,030)
I Overall operating height		ft (mm)	17.4 (5,290)	
J Height to bucket hinge pin, fully raised		ft (mm)	13.1 (3 980)	
K Dumping clearance 45 degree, full height		ft (mm)	9.2 (2,800)	8.8 (2,680)
L Reach, 45 degree dump, full height		ft (mm)	4.1 (1,250)	4.5 (1,380)
M Digging depth (Horizontal digging angle)		in (mm)	4.3 (110)	3.9 (100)
N Carry height of bucket pin		in (mm)	20.7 (525)	
Bucket weight		lb (kg)	2,840 (1,290)	2,730 (1,240)
Static tipping load *	Straight	lb (kg)	19,820 (8,990)	19,910 (9,030)
	Full 40 degree turn	lb (kg)	17,110 (7,760)	17,200 (7,800)
Breakout force		lbf (kgf)	24,030 (10,900)	21,080 (9,560)
		kN	106.9	93.7
Operating weight *		lb (kg)	28,890 (13,100)	28,780 (13,050)

WITH FORK ATTACHMENT



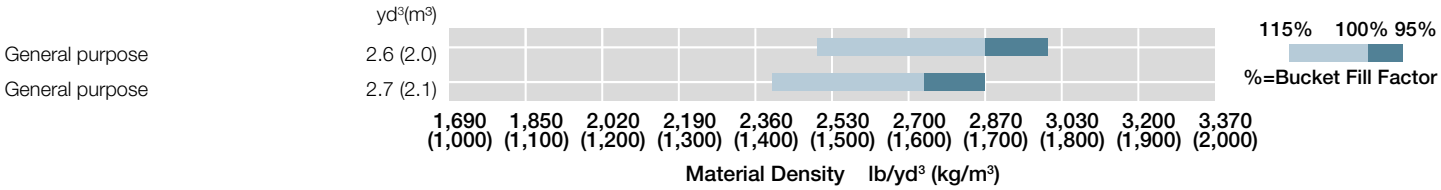
Attachment type			Fork
O Max. stacking height		ft (mm)	12.3 (3,740)
P Height of fork at maximum reach		ft (mm)	5.9 (1,810)
Q Reach at ground level		ft (mm)	3.8 (1,170)
R Max. reach		ft (mm)	5.9 (1,790)
S Reach at max. stacking height		ft (mm)	3.2 (990)
Static tipping load	Straight	lbf (kgf)	18,120 (8,220)
	Full 40 degree turn	lbf (kgf)	15,720 (7,130)
Max. payload per EN 474-3, 80 %		lb (kg)	12,350 (5,600)
Max. payload per EN 474-3, 60 %		lb (kg)	9,260 (4,200)
Fork tine length		ft (mm)	4.0 (1,220)
Operating weight *		lb (kg)	28,440 (12,900)

Note: All dimensions, weight and perfomance 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 lb (kg)	Tipping load lb (kg)		Overall width in (mm) (outside tire)	Overall height in (mm)	Overall length in (mm)
			Straight	Full turn			
Tire	20.5-25-12PR (L2)	-400 (-180)	-240 (-110)	-260 (-120)	±0	±0	±0
	20.5-25-12PR (L3)	-400 (-180)	-240 (-110)	-260 (-120)	±0	±0	±0
	20.5R25 (L3)	±0	±0	±0	±0	±0	±0
Belly guard		+150 (70)	+70 (30)	+90 (40)	±0	±0	±0

BUCKET SELECTION GUIDE



EQUIPMENT

ZW140-6

STANDARD EQUIPMENT

ENGINE

- Air cleaner, double element
- Auto idle shut down
- Cold start (air intake heater)
- Cooling fan, automatic reversible
- Cummins QSB4.5
- EGR system
- Fuel filter (main), w/water separator
- Fuel pre-filter, w/water separator
- SCR system and DOC
- VGT (Variable Geometry Turbocharger)
- Work mode selector

POWERTRAIN

- Brakes, service
  - Enclosed wet disc
  - Dual system
  - Inboard mounted
- Brake, parking
  - Spring applied
  - Oil pressure released
  - Wet disc type
- Coolers, wide fin
- Differential, limited slip (F/R)
- Drive shafts, low maintenance
- F-R direction selector (2-column mounted/HYD-control lever mounted)
- Hydrostatic transmission
- Inching pedal
- Maximum speed adjuster for 1st speed
- Traction control
- Universal joints, sealed

HYDRAULIC SYSTEM

- Boom kick-out, dual (operator adjustable in cab)
- Bucket positioner
- Control lever, single, pilot-assisted w/1 aux lever for 3rd spool control
- Control lever lock (electric)
- Control valve, 3-spool, parallel and tandem control
- Pump, gear, fixed displacement
- Quick coupler control lines and controls
- Ride control w/Load sensing valve and automatic shut-off
- Steering, orbitrol

ELECTRICAL

- 24-volt electrical system
- Back-up alarm
- Batteries (2), 12V, 565 CCA
- Battery disconnect switch
- Converter, 12V/15 Amp
- Horn, dual electric
- Instrument panel, LCD, color
- Lights:
  - 2 Headlights (halogen)
  - 2 Forward working lights (halogen)
  - 4 Rear working lights (halogen)
  - 2 Stop/tail/backup (LED)
- Turn signal w/4-way flashers/marker

CAB

- ROPS cab: Enclosed cab with sound suppression, front & rear wipers and washers, two rear view and side mirrors, tinted glass, full view latch-back doors, sliding side windows.
- Accessory outlet, 12V,
- Adjustable armrest/console, (fore/aft sliding)
- Air conditioner/heater/pressurizer
- AM/FM/WB radio with AUX input
- Ashtray
- Cab dome lamps (2)
- Cigarette lighter
- Coat hook
- Cooler box storage area
- Cup holder (2)
- Floormat
- Retractable seat belt (3 inch)
- ROPS/FOPS certified
- Seat, air suspension, fabric
- Steering column, telescoping and tilting w/quick-release pedal
- Storage box (heated/cooled)
- Sun visor

OTHERS

- Articulation locking bar
- Counterweight
- Drawbar
- Fenders, front, w/mudflap
- Fenders, rear, deck-type, w/mudflap
- Global e-Service, telematic monitoring system (GSM-version w/4 yrs. service)
- Ladders, inclined
- Lifting eyes
- Linkage pins, HN bushing
- Neutral safety start
- Rear grill, steel
- Steps, rear
- Vandalism protection
- Z-bar loader linkage

ALARMS, GAUGES, INDICATORS

Alarms (visual & audible)	Air cleaner element
	Aftertreatment device
	Brake oil low pressure
	Engine oil low pressure
	Emergency steering alarm
	Engine trouble
	Engine warning
	Fuel filter (water in fuel)
	Hydraulic oil level
	Hydraulic oil temperature
	Overheat (engine coolant)
	Steering oil low pressure
Gauges	DEF/AdBlue® Level
	Engine coolant temperature
	Fuel gauge
	Speedometer
Indicators	Air conditioner display
	Cold start
	Control lever lock
	Eco-operating status
	Engine warning
	Fan reverse rotation
	F-N-R selection
	F-N-R switch enable
	Fuel filter (plugged filter)
	Fuel filter (water in fuel)
	High beam
	HST oil temperature
	HST warning
	Low fuel level
	Maintenance
	Operating mode (Normal, Power)
	Parking brake
	Ride control
	Time/operating hour/ODO
	Traction control switch
	Turn signal w/4-way flashers/marker
	Work light

OPTIONAL EQUIPMENT

- Belly guard,front chassis, transmission (rear)
- Bolt-on cutting edge & segments
- Bucket teeth
- Camera, rear view
- Cooling system cores, narrow fin
- Dual lever hydraulic control
- Fenders, rear, full, w/mudflap
- HID work lights
- High lift boom arm
- LED work lights
- Pre-cleaner (turbine type)
- Quick coupler & attachments
- Quick coupler, ISO
- Seat, heated

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

STANDARD EQUIPMENT

ENGINE

- Air cleaner, double element
- Auto idle shut down
- Cold start (glow plug)
- Cooling fan, automatic reversible
- Cummins QSB4.5 diesel engine
- EGR system
- Fuel filter (main), w/water separator
- Fuel pre-filter, w/water separator
- SCR catalyst and DOC
- VGT (Variable Geometry Turbocharger)
- Work mode selector

POWERTRAIN

- Brakes, service
  - Enclosed wet disc
  - Dual system
  - Inboard mounted
- Brake, parking
  - Spring applied
  - Oil pressure released
  - Wet disc type
- Cooling system cores, wide-fin
- Differential, limited slip (F/R)
- Drive shafts, low maintenance
- F-R direction selector (2-column mounted/HYD-control lever mounted)
- Hydrostatic transmission
- Inching pedal
- Maximum speed adjuster for 1st speed
- Traction control
- Universal joints, sealed

HYDRAULIC SYSTEM

- Boom kick-out, dual (operator adjustable in cab)
- Bucket positioner
- Quick coupler control lines and controls
- Control Lever, single, pilot-assisted w/1 aux Lever for 3rd spool control
- Control lever lock (electric)
- Control valve, 3-spool, parallel control
- Pump, gear, fixed displacement
- Quick coupler control lines and controls
- Ride control w/load sensing valve and automatic shut-off
- Steering, orbitrol

ELECTRICAL

- 24-volt electrical system
- Back-up alarm
- Batteries (2), 12V, 565 CCA
- Battery disconnect switch
- Converter, 12V/15 Amp
- Horn, dual electric
- Instrument panel, LCD, monochrome
- Lights:
  - 2 Headlights (halogen)
  - 2 Forward working lights (halogen)
  - 4 Rear working lights (halogen)
  - 2 Stop/tail/backup (LED)
- Turn signal w/4-way flashers/marker

CAB

- ROPS cab: Enclosed cab with sound suppression, front & rear wipers and washers, two rear view and side mirrors, tinted glass, full view latch-back doors, sliding side windows.
- Accessory outlet, 12V,
- Adjustable armrest/console, (fore/aft sliding)
- Air conditioner/heater/pressurizer
- AM/FM/WB radio with AUX input
- Ashtray
- Cab dome lamps (2)
- Cigarette lighter
- Coat hook
- Cooler box storage area
- Cup holder (2)
- Floormat
- Retractable seat belt (3 inch)
- ROPS/FOPS certified
- Seat, air suspension, fabric
- Steering column, telescoping and tilting w/quick-release pedal
- Storage box (heated/cooled)
- Sun visor

OTHERS

- Articulation locking bar
- Counterweight
- Drawbar
- Fenders, front, w/mudflap
- Fenders, rear, deck-type, w/mudflap
- Global e-Service, telematic monitoring system (GSM-version w/4 yrs. service)
- Ladders, inclined
- Lifting eyes
- Linkage pins, HN bushing
- Neutral safety start
- Rear grill, steel
- Steps, rear
- Vandalism protection
- Z-bar loader linkage

ALARMS, GAUGES, INDICATORS

Alarms (visual & audible)	Brake oil low pressure
	Engine oil low pressure
	Hydraulic oil level
	Overheat (engine coolant)
	Steering oil low pressure
Gauges	DEF/AdBlue® Level
	Engine coolant temperature
	Fuel gauge
	HST oil temperature
Indicators	Aftertreatment Device
	Air cleaner element
	Air conditioner display
	Battery discharge warning
	Cold start
	Control lever lock
	Eco-operating status
	Emergency steering
	Engine warning
	Fan reverse rotation
	F-N-R selection
	F-N-R switch enable
	Fuel filter (plugged filter)
	Fuel filter (water in fuel)
	High beam
	HST oil temperature
	HST warning
	Maintenance
	Operating mode (Normal, Power)
	Parking brake
	Ride control
	Service
	Speedometer
	Time/operating hour/ODO
	Traction control switch
	Turn signal w/4-way flashers/marker
	Work light

OPTIONAL EQUIPMENT

- Belly guard, front chassis, transmission (rear)
- Bolt-on cutting edge & segments
- Bucket teeth
- Camera, rear view
- Dual lever hydraulic control
- Fenders, rear, full, w/mudflap
- HID work lights
- High lift boom arm
- LED work lights
- Pre-cleaner (turbine type)
- Quick coupler & attachments
- Quick coupler, ISO

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

EQUIPMENT

ZW150PL-6

STANDARD EQUIPMENT

ENGINE

- Air cleaner, double element
- Auto idle shut down
- Cold start (glow plug)
- Cooling fan, automatic reversible
- Cummins QSB4.5
- EGR system
- Fuel filter (main), w/water separator
- Fuel pre-filter, w/water separator
- SCR system
- VGT (Variable Geometry Turbocharger)
- Work mode selector

POWERTRAIN

- Brakes, service
  - Enclosed wet disc
  - Dual system
  - Inboard mounted
- Brake, parking
  - Spring applied
  - Oil pressure released
  - Wet disc type
- Coolers, wide fin spacing
- Differential, limited slip (F/R)
- Drive shafts, low maintenance
- F-R direction selector (2-column mounted/HYD-control lever mounted)
- Hydrostatic transmission
- Inching pedal
- Maximum speed adjuster for 1st speed
- Traction control
- Universal joints, sealed

HYDRAULIC SYSTEM

- Boom kick-out, dual (operator adjustable in cab)
- Bucket positioner
- Control Lever, single, pilot-assisted w/1 aux lever for 3rd spool control
- Control lever lock (electric)
- Control valve, 3-spool, parallel control
- Pump, gear, fixed displacement
- Quick Coupler Control Lines and Controls
- Ride Control w/Load sensing valve and automatic shut-off
- Steering, orbitrol

ELECTRICAL

- 24-volt electrical system
- Back-up alarm
- Batteries (2), 12V, 565 CCA
- Battery disconnect switch
- Converter, 12V/15 Amp
- Horn, dual electric
- Instrument panel, LCD, monochrome
- Lights:
  - 2 Headlights (halogen)
  - 2 Forward working lights (halogen)
  - 4 Rear working lights (halogen)
  - 2 Stop/tail/backup (LED)
- Turn signal w/4-way flashers/marker

CAB

- ROPS cab: Enclosed cab with sound suppression, front & rear wipers and washers, two rear view and side mirrors, tinted glass, full view latch-back doors, sliding side windows.
- Accessory outlet, 12V,
- Adjustable armrest/console, (fore/aft sliding)
- Air conditioner/heater/pressurizer
- AM/FM/WB radio with AUX input
- Ashtray
- Cab dome lamps (2)
- Cigarette lighter
- Coat hook
- Cooler box storage area
- Cup holder (2)
- Floormat
- Retractable seat belt (3 inch)
- ROPS/FOPS certified
- Seat, air suspension, fabric
- Steering column, telescoping and tilting w/quick-release pedal
- Storage box (heated/cooled)
- Sun visor

OTHERS

- Articulation locking bar
- Counterweight
- Drawbar
- Fenders, front, w/mudflap
- Fenders, rear, deck-type, w/mudflap
- Global e-Service, telematic monitoring system (GSM-version w/4 yrs. service)
- Ladders, inclined
- Lifting eyes
- Linkage, parallel, sealed
- Linkage pins, HN bushing
- Neutral safety start
- Rear grill, steel
- Steps, rear
- Vandalism protection
- Quick coupler

ALARMS, GAUGES, INDICATORS

Alarms (visual & audible)	Brake oil low pressure
	Engine oil low pressure
	Hydraulic oil level
	Overheat (engine coolant)
	Steering oil low pressure
Gauges	DEF/AdBlue® Level
	Engine coolant temperature
	Fuel gauge
	HST oil temperature
Indicators	Aftertreatment device
	Air cleaner element
	Air conditioner display
	Battery discharge warning
	Cold start
	Control lever lock
	Eco-operating status
	Emergency steering
	Engine warning
	Fan reverse rotation
	F-N-R selection
	F-N-R switch enable
	Fuel filter (plugged filter)
	Fuel filter (water in fuel)
	High beam
	HST oil temperature
	HST warning
	Maintenance
	Operating mode (Normal, Power)
	Parking brake
	Service
	Speedometer
	Time/operating hour/ODO
	Traction control switch
	Turn signal w/4-way flashers/marker
	Work light

OPTIONAL EQUIPMENT

- Belly guard, front chassis, transmission (rear)
- Bolt-on cutting edge & segments
- Camera, rear view
- Dual lever hydraulic control
- Fenders, rear, full, w/mudflap
- HID work lights
- LED work lights
- Pre-cleaner (turbine type)
- Seat, heated

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

MEMO

HITACHI

Reliable solutions

Hitachi Construction Machinery Co., Ltd. (Hitachi Construction Machinery) was established in 1970, when Hitachi, Ltd. spun off its Construction Machinery Division. Currently, there are 84 companies that comprise the Hitachi Construction Machinery Group providing Reliable solutions for customers in the heavy construction equipment industry. Hitachi Construction Machinery continues to grow as a strong, global, competitive enterprise.

Fast forward to 2010. A joint venture with Hitachi Construction Machinery and Kawasaki Heavy Industries was entered into to further develop the global scope of the wheel loader product line. This relationship combined the huge technological and manufacturing resources of Kawasaki Heavy Industries and Hitachi Construction Machinery Group. This effort has resulted in a very productive, reliable, and cost-effective product.

In 2016 Hitachi Construction Machinery bought 100% of KCM Corporation's stock transitioning to KCMA Corporation. In 2018 Hitachi Construction Machinery took the reins transitioning KCMA Corporation to Hitachi Construction Machinery Loaders America Inc., furthering their commitment to the North American market by introducing the Hitachi brand wheel loader line, offering outstanding parts availability, an unmatched factory component exchange program, customer and dealer training programs, and a wide range of services and programs.

With manufacturing facilities in Banshu, Japan; Ryugasaki, Japan, and Newnan, Ga., Hitachi Construction Machinery Loaders America has the experience and technology to design, engineer, manufacture, and service your next wheel loader. The Hitachi Construction Machinery Loaders America Inc. team is focused on wheel loaders. As a subsidiary of one of the largest construction machinery companies in the world, Hitachi Construction Machinery Loaders America Inc. is securely poised as your go-to source in the North American wheel loader market.

A FULL LINE OF WHEEL LOADERS

- 13 Models
- 30 HP–531 HP

REPUTATIONS ARE BUILT ON IT

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.

Hitachi Construction Machinery Loaders America Inc.
www.hitachicm.us

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