

WHEEL LOADER

ZW140PL

ZW150PL

ZW180PL



WHEEL LOADER

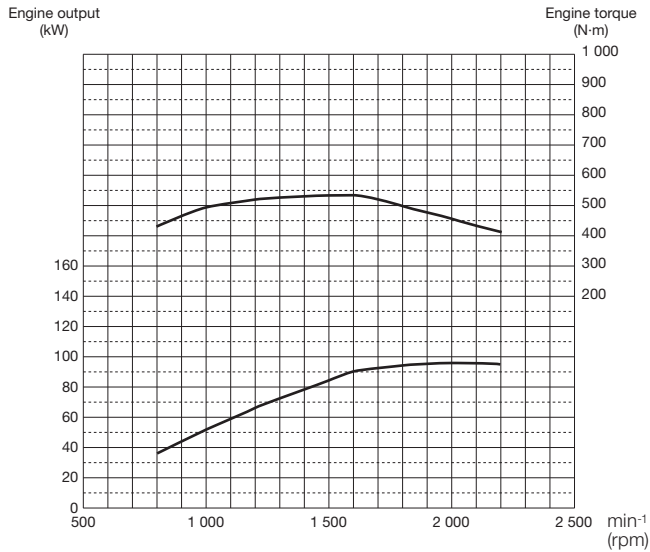
- **Model Code** : ZW140PL / ZW150PL / ZW180PL
- **Operating Weight** : ZW140PL : 11 950 kg - 12 010 kg
ZW150PL : 13 370 kg - 13 400 kg
ZW180PL : 15 240 kg - 15 430 kg
- **Bucket Capacity** : ISO Heaped : ZW140PL : 1.8 - 1.9 m³
ZW150PL : 2.0 - 2.1 m³ / ZW180PL : 2.5 - 3.1 m³
- **Max. Engine Output** : ZW140PL : 96 kW(129 HP)
ZW150PL : 107 kW(143 HP) / ZW180PL : 128 kW (171 HP)

SPECIFICATIONS

ZW140PL

ENGINE

Model	Cummins QSB4.5
Type.....	4-cycle water-cooled, direct injection
Aspiration	Turbocharger and charge air cooled
No. of cylinders.....	4
Maximum power	
ISO 9249,	
Without Fan net	96 kW (129 HP) at 2 000 min ⁻¹ (rpm)
EEC 80/1269,	
Without Fan net	96 kW (129 HP) at 2 000 min ⁻¹ (rpm)
Bore and stroke.....	107 mm x 124 mm
Piston displacement ...	4.46 L
Batteries	2 X 12 V / 620 CCA, 80 Ah
Air cleaner.....	Two element dry type with restriction indicator



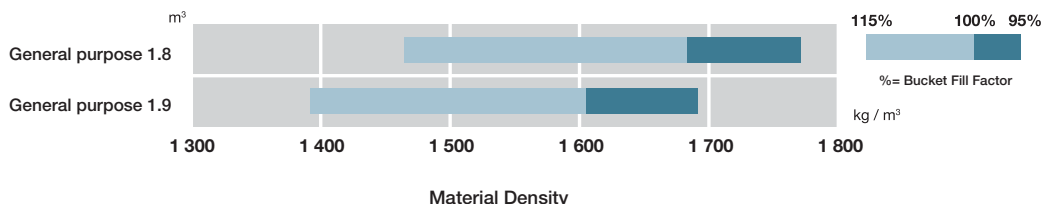
POWER TRAIN

Transmission.....	Electrical-controlled 2 motor HST (Hydro Static 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	Center pivot
Reduction and differential gear.....	Two stage reduction with torque proportional differential
Oscillation angle	Total 16 degree (+8 degree, -8 degree)
Final drives.....	Heavy duty, planetary final drive

BUCKET SELECTION GUIDE



TIRES (tubeless,radial ply)

Standard	20.5 R25 (L3)
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BRAKES

Service brakes	Inboard mounted fully hydraulic 4 wheel wet disc brake
	HST (Hydro Static Transmission) system provides additional hydraulic braking capacity
Parking brake	Spring applied, hydraulically released, wet disc type with drive through prevention mechanism

STEERING SYSTEM

Type.....	Articulated frame steering
Steering mechanism...	Fully hydraulic power steering
Steering angle.....	Each direction 40 degree ; total 80 degree
Relief pressure.....	19.6 MPa (200 kgf / cm²)
Cylinders.....	Two double-acting piston type
No. x Bore x Stroke ...	2 x 65 mm x 419 mm
Minimum turning radius at the centerline of outside tire.....	4 930 mm

HYDRAULIC SYSTEM

Lift arm and bucket are controlled by 2-spool pilot valve.	
Lift 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 / Steering pump	Fixed displacement type gear pump
Charging pump / Fan pump / Brake and assist pump.....	Fixed displacement type gear pump
Hydraulic cylinders	
Type.....	Two arm and one bucket, double acting type
No. x Bore x Stroke....	Arm: 2 x 125 mm x 620 mm
	Bucket: 1 x 150 mm x 445 mm
Filters	Full-flow 10 micron return filter in reservoir
Hydraulic cycle times	
Lift arm raise.....	6.0 s
Lift arm lower.....	3.0 s
Bucket dump.....	1.3 s
Total.....	10.3 s

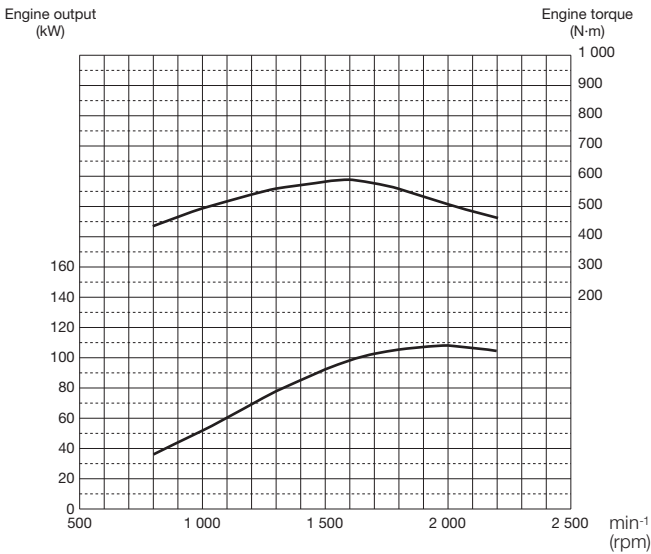
SERVICE REFILL CAPACITIES

Fuel tank.....	180.0 L
Engine coolant.....	18.0 L
Engine oil.....	14.0 L
Transmission gear box.....	10.0 L
Front axle differential & wheel hubs	24.0 L
Rear axle differential & wheel hubs.....	25.0 L
Hydraulic oil tank	80.0 L

ZW150PL

ENGINE

Model	Cummins QSB4.5
Type.....	4-cycle water-cooled, direct injection
Aspiration	Turbocharger and charge air cooled
No. of cylinders.....	4
Maximum power	
ISO 9249,	
Without Fan net	107 kW (143 HP) at 2 000 min ⁻¹ (rpm)
EEC 80/1269,	
Without Fan net	107 kW (143 HP) at 2 000 min ⁻¹ (rpm)
Bore and stroke.....	107 mm x 124 mm
Piston displacement ...	4.46 L
Batteries	2 X 12 V / 620 CCA, 80 Ah
Air cleaner.....	Two element dry type with restriction indicator



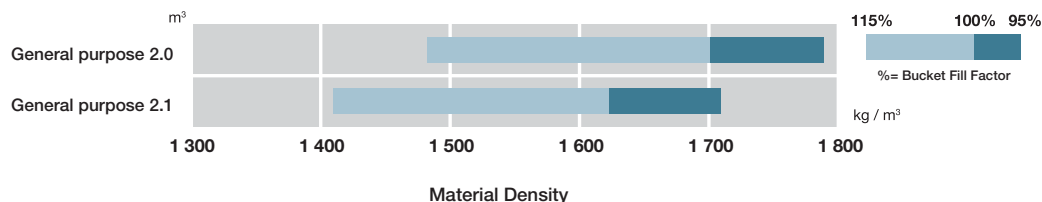
POWER TRAIN

Transmission.....	Electrical-controlled 2 motor HST (Hydro Static 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	Center pivot
Reduction and differential gear.....	Two stage reduction with torque proportional differential
Oscillation angle	Total 20 degree (+10 degree, -10 degree)
Final drives.....	Heavy duty, planetary final drive

BUCKET SELECTION GUIDE



TIRES (tubeless,radial ply)

Standard	20.5 R25 (L3)
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BRAKES

Service brakes	Inboard mounted fully hydraulic 4 wheel wet disc brake. HST (Hydro Static Transmission) system provides additional hydraulic braking capacity
Parking brake	Automatic spring applied, hydraulically released, wet disc type

STEERING SYSTEM

Type.....	Articulated frame steering
Steering mechanism...	Fully hydraulic power steering
Steering angle.....	Each direction 40 degree ; total 80 degree
Relief pressure.....	19.6 MPa (200 kgf / cm²)
Cylinders.....	Two double-acting piston type
No. x Bore x Stroke ...	2 x 65 mm x 419 mm
Minimum turning radius at the centerline of outside tire.....	4 960 mm

HYDRAULIC SYSTEM

Lift arm and bucket are controlled by 2-spool pilot valve.	
Lift 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 / Steering pump	Fixed displacement type pump
Charging pump / Fan pump / Brake and assist pump.....	Fixed displacement type gear pump
Hydraulic cylinders	
Type.....	Two arm and one bucket, double acting type
No. x Bore x Stroke....	Arm: 2 x 125 mm x 760 mm Bucket: 1 x 160 mm x 495 mm
Filters	Full-flow 10 micron return filter in reservoir
Hydraulic cycle times	
Lift arm raise.....	6.7 s
Lift arm lower	3.1 s
Bucket dump	1.4 s
Total.....	11.2 s

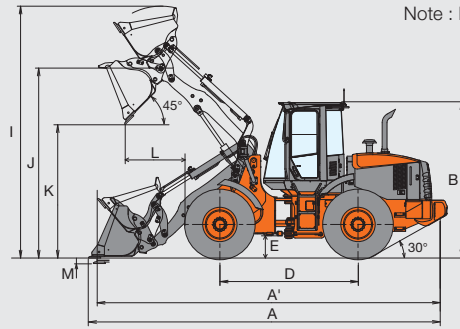
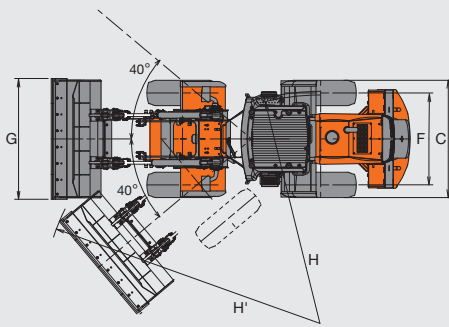
SERVICE REFILL CAPACITIES

Fuel tank	200.0 L
Engine coolant.....	18.0 L
Engine oil	14.0 L
Transmission gear box.....	10.0 L
Front axle differential & wheel hubs	27.0 L
Rear axle differential & wheel hubs.....	27.0 L
Hydraulic oil tank	80.0 L

SPECIFICATIONS

ZW140PL / ZW150PL

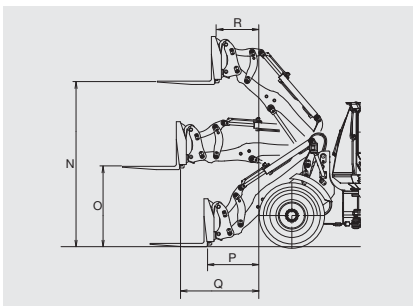
DIMENSIONS & SPECIFICATIONS



Note : Illustration is the ZW150PL.

Bucket type			ZW140PL			ZW150PL		
			General purpose					
			With bolt-on cutting edges	With bolt-on adapter & teeth	With weld-on adapter & teeth	With bolt-on cutting edges	With bolt-on adapter & teeth	With weld-on adapter & teeth
Bucket capacity	ISO heaped	m ³	1.9	1.8	1.8	2.1	2.0	2.0
	ISO struck	m ³	1.6	1.5	1.5	1.7	1.7	1.7
A	Overall length	mm	7 150	7 350	7 320	7 530	7 730	7 700
A'	Overall length (Traveling figure)	mm	7 040	7 160	7 130	7 350	7 480	7 450
B	Overall height (Top of cab)	mm	3 240			3 260		
C	Width over tires	mm	2 440			2 500		
D	Wheel base	mm	2 900			2 900		
E	Ground clearance	mm	455			405		
F	Tread	mm	1 885			1 930		
G	Bucket width	mm	2 535			2 535		
H	Turning radius (Centerline of outside tire)	mm	4 925			4 955		
H'	Loader clearance circle, bucket in carry position	mm	5 830	5 880	5 870	5 850	5 910	5 900
I	Overall operating height	mm	5 170	5 350	5 340	5 370	5 550	5 540
J	Height to bucket hinge pin, fully raised	mm	3 830			3 980		
K	Dumping clearance 45 degree, full height	mm	2 700	2 560	2 580	2 800	2 660	2 680
L	Reach, 45 degree dump, full height	mm	1 180	1 300	1 320	1 250	1 370	1 380
	Reach, 45 degree dump, 7 ft (2.13 m) clearance	mm	1 590	1 640	1 670	1 730	1 780	1 810
M	Digging depth (Horizontal digging angle)	mm	100	120	90	110	120	100
Bucket weight		kg	1 230	1 180	1 170	1 290	1 250	1 240
Static tipping load	straight	kgf	7 720	7 800	7 810	8 890	8 960	8 980
	Full 40 degree turn	kgf	6 650	6 720	6 730	7 670	7 730	7 750
Breakout force		kN	100.3	87.0	87.3	106.9	93.4	93.7
		kgf	10 230	8 834	8 900	10 900	9 530	9 560
Operating weight		kg	12 010	11 960	11 950	13 400	13 380	13 370

WITH FORK ATTACHMENT



Attachment type			ZW140PL	ZW150PL
			Fork	
N	Max. stacking height	mm	3 600	3 740
O	Height of forks at maximum reach	mm	1 760	1 810
P	Reach at ground level	mm	1 100	1 170
Q	Max. reach	mm	1 710	1 790
R	Reach at max. stacking height	mm	970	990
Static tipping load	straight	kgf	6 940	8 100
	Full 40 degree turn	kgf	6 000	7 020
Max. payload per EN 474-3, 80 %		kg	4 800	5 610
Max. payload per EN 474-3, 60 %		kg	3 600	4 210
Fork tine length		mm	1 220	1 220
Operating weight		kg	11 920	13 200

Note: 1. All dimensions, weight and performance data based on ISO 6746-1:1987, ISO 7137:1997, ISO 7546:1983 and ISO 8313:1989
 2. 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.

EQUIPMENT

ZW140PL / ZW150PL

STANDARD EQUIPMENT

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

ENGINE

- Coolant recovery tank
- Hydraulically Operated Cooling Fan with Heat Sensing System
- Fan guard
- Muffler, under hood with large exhaust stack
- Environmentally friendly engine oil drain
- Engine oil cooler
- Fuel filter
- Quick-release fuel filter and water separator function
- Air heater (For cold start)
- Air filter double element

POWER TRAIN

- Electrically controlled HST system
- Torque proportioning differentials, front and rear

HYDRAULIC SYSTEM

- Bucket auto leveler
- Float system
- Lift arm kick-out system
- Reservoir sight gauge
- Hydraulic filters, vertical mounting
- Two-lever and auxiliary lever for third function
- Three-spool main control valve
- Third spool piping
- O-Ring Seal joints
- Quick coupler switch

ELECTRICAL

- 24-volt electrical system
- Standard batteries (2), 12-volt with 620 CCA, 80Ah
- Alternator, 65 A and 24-volts
- Lights
- Driving with guards / Turn signals with hazard switch / stop, tail and back-up lights
- Work lights on cab, front (2)
- Work lights, rear (2)

- Horn, with push button in center of steering wheel and switch on joystick lever knob or right console
- Reverse warning alarm
- Monitor and alarm system, including multi-function electronic audible and visual warning
- LCD monitor display: Speedometer / Clock / Hour-meter / Odometer / Replacement intervals / Ride control / Speed range
- Gauges: Engine coolant temperature / Fuel level
- Warning lights: Engine / Transmission / Discharge warning
- Indicator lights: Turn signals / High beam / Working lights / Service / Parking brake / Stop / Brake oil low pressure / Brake oil low level / Seat belt / Glow signal / Maintenance / Forward • Reverse Switch / Water separator / Over heat / Engine oil low pressure / Air filter restriction / Hydraulic oil temperature
- 24-volt AM/FM stereo radio with clock

OPERATOR'S STATION

- Cab
- ROPS* / FOPS** / Multi-plane isolation mounted for noise / Vibration reduction / Front and rear windshield washers / Safety glass
- Adjustable armrest
- Bi-level auto air conditioner and pressurize cab
- Front / Rear defroster
- Hot and cool box
- Sun visor
- Seat (Grammer), fabric, high back, air suspension, head-rest, seat heating, adjustable for weight-height, fore-aft position, backrest tilt, and armrest angle, seat cushion length and angle, headrest height and angle adjustment, lumbar support
- Seatback pocket
- Retractable seat belt, 50 mm
- Large tray and drink holder
- Rubber floor mat
- Adjustable steering column
- Steering wheel, textured with spinner knob
- Rear view mirrors, outside (2) and inside (2)

- Handrails and steps, ergonomically located and slip resistant
- Coat hook

LOADER LINKAGE

- Parallel linkage

BUCKETS AND ATTACHMENTS

- Quick coupler (Volvo compatible)
- General purpose bucket with bolt on cutting edge for quick coupler : 1.9 m³ (ISO heaped) : (ZW140PL), 2.1 m³ (ISO heaped) : (ZW150PL)

TIRES

- Radial ply : 20.5R25 (L3)
- Multi-piece rims

OTHERS

- Emergency steering system
- Fenders, front and rear
- Articulation locking bar
- Anti-vandal protection, includes lockable engine enclosure, and fuel fill
- Counterweight, built-in
- Drawbar, with rocking pin
- Lift and tie-down hooks
- Open type rear grill
- Reversible fan

OPTIONAL EQUIPMENT

Optional equipment may vary by country, so please consult your Hitachi dealer for details.

POWER TRAIN

- Limited slip differential

HYDRAULIC SYSTEM

- Multi-function joystick lever and auxiliary lever for third function
- Multi-function joystick lever and auxiliary joystick-lever for third function
- Ride control system, automatic type
- Four spool main control valve
- Four spool piping

ELECTRICAL

- Front Working Lamps on Cab (2)
- Rear Working Lamp on Cab (2)
- 12-volt outlet
- Rotary beacon lamp

BUCKETS AND ATTACHMENTS

- General purpose bucket with bolt on teeth for quick coupler : 1.8 m³ (ISO heaped) : (ZW140PL), 2.0 m³ (ISO heaped) : (ZW150PL)
- General purpose bucket with weld on teeth for quick coupler : 1.8 m³ (ISO heaped) : (ZW140PL), 2.0 m³ (ISO heaped) : (ZW150PL)
- Full line of construction utility forks, and attachments

OTHERS

- Full rear fender and mud guard
- Cutting edge protection (German road homologation)
- Italian road homologation kit
- Rear license plate bracket
- Wheel blocks
- Reversible fan

Note : * : ROPS (Roll Over Protective Structure) Conforms to ISO 3471;1994
** : FOPS (Falling Objects Protective Structure) Conforms to ISO 3449; 1992 Level 4

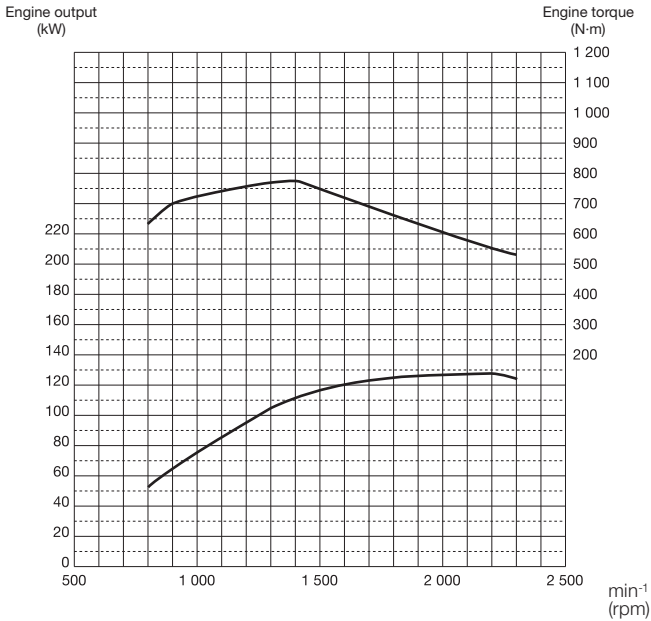


SPECIFICATIONS

ZW180PL

ENGINE

Model	Cummins QSB6.7
Type.....	4-cycle water-cooled, direct injection
Aspiration	Turbocharger and charge air cooled
No. of cylinders.....	6
Maximum power	
ISO 9249,	
Without Fan gross ..	128 kW (171 HP) at 2 200 min ⁻¹ (rpm)
EEC 80/1269,	
Without Fan gross ..	128 kW (171 HP) at 2 200 min ⁻¹ (rpm)
Bore and stroke.....	107 mm x 124 mm
Piston displacement ...	6.690 L
Batteries	2 X 12 V / 1 005 CCA, 140 Ah
Air cleaner.....	Two element dry type with restriction indicator



POWER TRAIN

Transmission.....	Torque converter, countershaft type powershift with computer-controlled automatic shift and manual shift features included
Torque converter	Three element, single stage, single phase
Main clutch	Wet hydraulic, multi-disc type
Cooling method	Forced circulation type
Travel speed*	Forward / Reverse
1st.....	8.0 / 8.0 km/h
2nd.....	13.0 / 13.0 km/h
3rd.....	24.5 / 24.5 km/h
4th.....	38.0 / 38.0 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 24 degree (+12 degree, -12 degree)
Final drives.....	Heavy-duty planetary, mounted inboard

TIRES (tubeless, radial ply)

Drive system.....	20.5R25 (L3)
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BRAKES

Service brakes.....	Inboard mounted fully hydraulic 4 wheel wet disc brake. Front & rear independent brake circuit
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STEERING SYSTEM

Type.....	Articulated frame steering
Steering mechanism...	Refer to standard & optional equipment list
Steering angle.....	Each direction 40 degree ; total 80 degree
Relief pressure.....	27.4 MPa (280 kgf / cm ²)
Cylinders.....	Two double-acting piston type
No. x Bore x Stroke ...	2 x 70 mm x 442 mm
Minimum turning radius at the centerline of outside tire.....	5 230 mm

HYDRAULIC SYSTEM

Lift arm and bucket are controlled by 2-spool pilot valve.

Lift 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 / Steering pump..	Variable displacement axial plunger pump
Charging pump / Fan pump / Brake and assist pump.....	Fixed displacement type gear pump
Hydraulic cylinders	
Type.....	Two arm and one bucket, double acting type
No. x Bore x Stroke....	Arm: 2 x 125 mm x 765 mm Bucket: 2 x 110 mm x 955 mm
Filters	Full-flow 15 micron return filter in reservoir
Hydraulic cycle times..	
Lift arm raise.....	5.7 s
Lift arm lower.....	3.0 s
Bucket dump.....	3.5 s
Total.....	11.2 s

SERVICE REFILL CAPACITIES

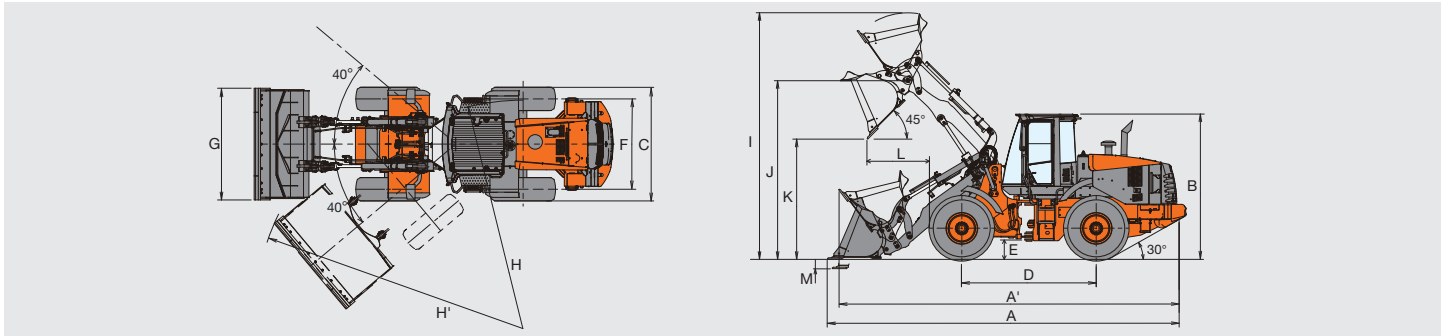
Fuel tank.....	230.0 L
Engine coolant.....	26.0 L
Engine oil.....	25.0 L
Torque convertor & transmission	30.0 L
Front axle differential & wheel hubs	28.0 L
Rear axle differential & wheel hubs.....	28.0 L
Hydraulic oil tank	100.0 L



Notes: Some of the pictures in this catalog show an unmanned machine with attachments in an operating position. These were taken for demonstration purposes only and the actions shown are not recommended under normal operating conditions.

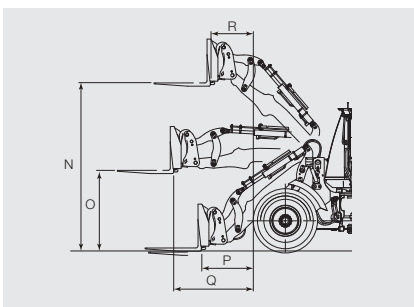
ZW180PL

DIMENSIONS & SPECIFICATIONS



Bucket type			General purpose								
			With bolt-on cutting edges			With bolt-on teeth			With weld-on teeth		
Bucket capacity	ISO heaped	m ³	2.6	2.8	3.1	2.5	2.7	3.0	2.5	2.7	3.0
	ISO struck	m ³	2.3	2.4	2.7	2.2	2.3	2.6	2.2	2.3	2.6
A Overall length		mm	8 150	8 200	8 300	8 290	8 340	8 440	8 270	8 320	8 420
A' Overall length (Traveling figure)		mm	7 910	7 940	8 000	8 000	8 030	8 090	7 970	8 000	8 060
B Overall height (Top of cab)		mm	3 285								
C Width over tires		mm	2 490								
D Wheel base		mm	3 050								
E Ground clearance		mm	400								
F Tread		mm	1 930								
G Bucket width		mm	2 535								
H Turning radius (Centerline of outside tire)		mm	5 170								
H' Loader clearance circle, bucket in carry position		mm	6 140	6 160	6 190	6 190	6 200	6 230	6 170	6 190	6 210
I Overall operating height		mm	5 590	5 650	5 720	5 590	5 650	5 720	5 590	5 650	5 720
J Height to bucket hinge pin, fully raised		mm	4 050								
K Dumping clearance 45 degree, full height		mm	2 720	2 690	2 620	2 630	2 590	2 520	2 650	2 610	2 540
L Reach, 45 degree dump, full height		mm	1 390	1 420	1 490	1 490	1 520	1 590	1 510	1 540	1 610
Reach, 45 degree dump, 7 ft (2.13 m) clearance		mm	1 850	1 870	1 890	1 890	1 910	1 930	1 930	1 940	1 960
M Digging depth (Horizontal digging angle)		mm	110	110	110	110	110	110	80	80	80
Bucket weight		kg	1 290	1 330	1 390	1 200	1 240	1 300	1 190	1 230	1 290
Static tipping load	straight	kgf	10 300	10 240	10 090	10 500	10 440	10 290	10 510	10 460	10 310
	Full 40 degree turn	kgf	8 870	8 820	8 680	9 070	9 010	8 870	9 080	9 020	8 880
Breakout force		kN	112.5	108.6	101.2	121.1	116.6	108.3	120.9	116.4	108.1
		kgf	11 470	11 070	10 320	12 350	11 890	11 040	12 330	11 870	11 020
Operating weight		kg	15 340	15 380	15 440	15 250	15 290	15 350	15 240	15 280	15 340

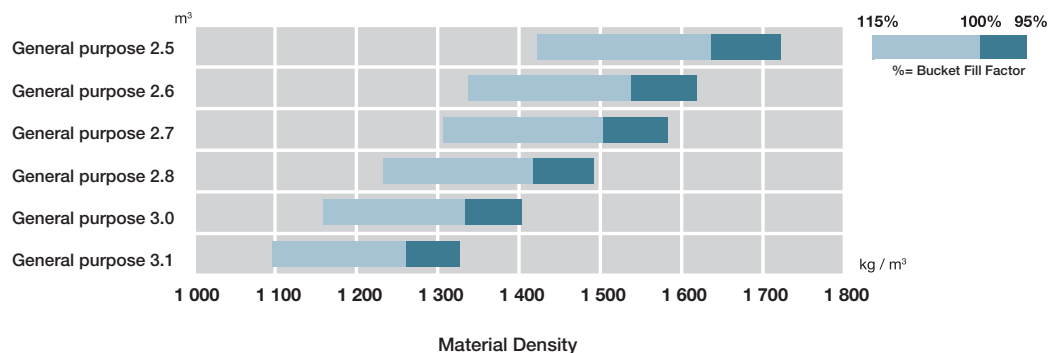
WITH FORK ATTACHMENT



Attachment type		Fork	
N	Max. stacking height	mm	3 830
O	Height of forks at maximum reach	mm	1 810
P	Reach at ground level	mm	1 240
Q	Max. reach	mm	1 840
R	Reach at max. stacking height	mm	990
Static tipping load	straight	kgf	9 920
	Full 40 degree turn	kgf	8 630
Max. payload per EN 474-3, 80 %		kg	6 900
Max. payload per EN 474-3, 60 %		kg	5 180
Fork tine length		mm	1 200
Operating weight		kg	14 730

Note: 1. All dimensions, weight and performance data based on ISO 6746-1:1987, ISO 7137:1997, ISO 7546:1983 and ISO 8313:1989
 2. 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.

BUCKET SELECTION GUIDE



EQUIPMENT

ZW180PL

STANDARD EQUIPMENT

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

ENGINE

- Coolant recovery tank
- Hydraulically Operated Cooling Fan with Heat Sensing System
- Fan guard
- Muffler, under hood with large exhaust stack
- Environmentally friendly engine oil drain
- Engine oil cooler
- Quick-release fuel filter and water separator
- Air heater (For cold start)
- Air filter double element
- Fuel double filter
- TT (Total Torque-control) system

POWER TRAIN

- Automatic Transmission with Load-Sensing System
- DSS (Down-Shift Switch)
- Torque proportioning differentials, front and rear
- Driving mode selector switch, three modes
- Clutch cut-off position switch, three position

HYDRAULIC SYSTEM

- TT (Total Torque-control) system
- Bucket auto leveler
- Float system
- Reservoir sight gauge
- Hydraulic filters, vertical mounting
- Two-lever and auxiliary lever for third function
- Three-spool main control valve
- Third spool piping
- O-Ring Seal joints
- Lift arm auto leveler
- Quick coupler switch

ELECTRICAL

- 24-volt electrical system
- Standard batteries (2), 12-volt with 1 005 CCA, 140Ah

- Alternator, 65 A and 24-volts
- Lights
 - Driving with guards / Turn signals with hazard switch / stop, tail and back-up lights
- Work lights on cab, front (2)
- Work lights, rear (2)
- Horn, with push button in center of steering wheel and switch on joystick lever knob or right console
- Reverse warning alarm
- Monitor and alarm system, including multi-function electronic audible and visual warning
- LCD monitor display: Speedometer / Clock / Hour-meter / Odometer / Replacement intervals / Transmission Auto / Clutch cutoff / Ride control / Gear shift
- Gauges: Engine coolant temperature / Transmission oil temperature / Fuel level
- Warning lights: Engine / Transmission / Discharge warning
- Indicator lights: Turn signals / High beam / Working lights / Service / Parking brake / Stop / Brake oil low pressure / Brake oil low level / Glow signal / Maintenance / Forward • Reverse Switch / Over heat / Engine oil low pressure / Air filter restriction / Axle oil temperature / Hydraulic oil temperature / Transmission oil temperature / Fan reverse
- 24-volt AM/FM stereo radio with clock

OPERATOR'S STATION

- Cab
 - ROPS* / FOPS** / Multi-plane isolation mounted for noise / Vibration reduction / Front and rear windshield washers / Safety glass
 - Adjustable armrest
 - Bi-level auto air conditioner and pressurize cab
 - Front / Rear defroster
 - Hot and cool box
 - Sun visor
 - Seat(Grammer), fabric, high back, air suspension, seat heating, adjustable for weight-height, fore-aft position, backrest tilt, and armrest angle, seat

- cushion length and angle, headrest height and angle adjustment, lumbar support
- Seatback pocket
- Retractable seat belt, 50 mm
- Large tray and drink holder
- Rubber floor mat
- Adjustable steering column
- Steering wheel, textured with spinner knob
- Rear view mirrors, outside (2) and inside (2)
- Handrails and steps, ergonomically located and slip resistant
- Coat hook

LOADER LINKAGE

- Parallel linkage

BUCKETS AND ATTACHMENTS

- Quick coupler (Volvo compatible)
- General purpose bucket with bolt-on cutting edges : 2.8 m³ (ISO heaped)

TIRES

- Radial ply : 20.5R25 (L3)
- Multi-piece rims

OTHERS

- Fenders, front and rear
- Articulation locking bar
- Anti-vandal protection, includes lockable engine enclosure, and fuel fill
- Counterweight, built-in
- Drawbar, with rocking pin
- Lift and tie-down hooks
- Open type rear grill
- Additional Counterweight
- Emergency steering system
- Reversible fan

OPTIONAL EQUIPMENT

Optional equipment may vary by country, so please consult your Hitachi dealer for details.

POWER TRAIN

- Limited slip differential

HYDRAULIC SYSTEM

- Four-spool main control valve
- Fourth spool piping
- Multi-function joystick lever and auxiliary lever for third function
- Multi-function joystick lever and auxiliary joystick-lever for third & fourth function
- Ride control system, automatic type

ELECTRICAL

- Front Working Lamps on cab (2)
- Rear Working Lamp on cab (2)
- 12-volt outlet
- Rotary beacon lamp

BUCKETS AND ATTACHMENTS

- General purpose bucket with bolt on cutting edge for quick coupler : 2.6 m³, 3.1 m³ (ISO heaped)
- General purpose bucket with bolt on teeth for quick coupler : 2.5 m³, 2.7 m³, 3.0 m³ (ISO heaped)
- General purpose bucket with weld on teeth for quick coupler : 2.5 m³, 2.7 m³, 3.0 m³ (ISO heaped)
- Full line of construction utility forks, and attachments

OTHERS

- Full rear fender and mud guard
- Cutting edge protection (German road homologation)
- Italian road homologation kit
- Rear license plate bracket
- Wheel blocks

Note : * : ROPS (Roll Over Protective Structure) Conforms to ISO 3471;1994

** : FOPS (Falling Objects Protective Structure) Conforms to ISO 3449; 1992 Level all

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 colour and features.

Before use, read and understand the Operator's Manual for proper operation.