



ZW250-7

The ZW250-7 wheel loader has been designed to help you control your profitability by reducing your running costs. It also prioritises your comfort and safety in its industry-leading cab and maximises uptime thanks to its reliable performance. You can also expect unrivalled levels of support from Hitachi throughout its life cycle.

You can work on a wide range of projects with the versatile Hitachi ZW250-7 wheel loader. The engine output and tipping load results performance while maintaining low consumption levels.

Engine rated power : 188 kW / 252hp@1.800rpm's (gross)

Operating weight : 20.400kg - 20.630kg (maximum)

Bucket ISO heaped : 2.8 – 3.8 m³

Available in : Europe

Discover the benefits

- ✓ Performance level is improved thanks to a large number of new functions such as Approach Speed Control and auto-power up function
- ✓ Industry-leading comfort with the new seat mounted control levers and 8-inch wide monitor
- ✓ Superior view of the surroundings and enhanced safety thanks to the optional Aerial-Angle camera system and the rear obstacle detection and warning system.

Attachments enhance the performance of your ZW250-7

- ✓ Choose from a wide range of Hitachi attachments, such as bucket's, pallet forks, high volume and high tip buckets to suit the application.
- ✓ Hitachi ground engaging tools (GET) fit precisely to your attachments, and are quick and safe to install and replace.

Try before you buy with Hitachi Premium Rental

- ✓ You can rent a wide range of Hitachi excavators and wheel loaders direct from Hitachi via our dealer network. Hitachi Premium Rental machines can be hired by the month and for periods up to one year. This gives you the high levels of reliability, quality and service you would expect from Hitachi, and greater flexibility to meet the varying demands of your business.

Want to find out more?

- ✓ For more information on the new Zaxis-7 series of wheel loader's, the Hitachi Premium Rental programme, or to discuss your needs in more detail visit our website: www.hitachicm.eu

SPECIFICATIONS

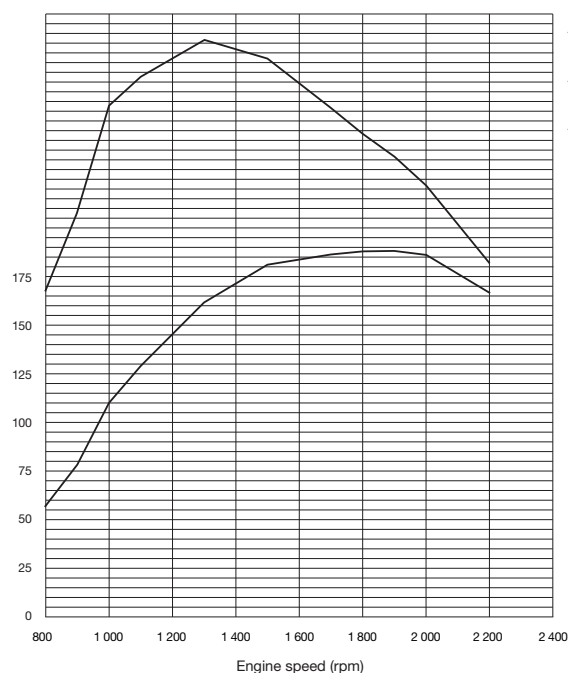
Preliminary specifications – subject to change

ENGINE

Model	CUMMINS B6.7
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharger and intercooled
Aftertreatment	DPF and SCR system
No. of cylinders	6
Maximum power	
ECE R120, gross	188 kW (252 hp) at 1 800 min ⁻¹ (rpm)
ISO 9249: 2007, net	183 kW (245 hp) at 1 800 min ⁻¹ (rpm)
Rated power	
ISO 14396: 2002	168 kW (225 hp) at 2 200 min ⁻¹ (rpm)
ISO 9249: net	163 kW (218 hp) at 2 200 min ⁻¹ (rpm)
Maximum torque	
ISO 9249: net	1186 Nm at 1 300 min ⁻¹ (rpm)
Bore and stroke	107 mm X 124 mm
Piston displacement	6.69 L
Batteries	2 x 12 V
Air cleaner	Two element dry type with restriction indicator

Engine output

Engine torque



POWER TRAIN

Transmission	Torque converter shaft type powershift with computer-controlled automatic shift and manual shift features included.
Cooling method	Forced circulation type
Travel speed* Forward / Reverse	
1st	5.8/ 5.1 km/h
2nd	11 / 11.6 km/h
3rd	16.9 / 27.4 km/h
4th	26.1 km/h
5th	38.9 km/h

*With 23.5 R25 (L3) tires

Data at Power Mode and with Lock-Up where applicable

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 (std) / limited slip differential (optional) Total 24°
Oscillation angle	(+12°, -12°)
Final drives	Heavy-duty planetary, mounted inboard

TIRES

Tire size	23.5 R25 (L3)
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BRAKES

Service brakes	Inboard mounted fully hydraulic 4 wheel disc brakes. Front & rear independent brake circuit,
Parking brakes	Spring applied, hydraulically released, dry disc type with external output shaft

STEERING SYSTEM

Type	Articulated frame steering
Steering angle	Each direction 37° ; total 74°
Cylinders	Double-acting piston type
No. x Bore x Stroke	2 x 70 mm x 542 mm

HYDRAULIC SYSTEM

Arm and bucket are controlled by multifunction lever	
Arm controls	Four position valve; raise, hold, lower, float
.....	Automatic bucket return-to-dig control
.....	Three position valve; roll back, hold, dump
Main pump (Serve as steering pump)	
.....	Variable displacement axial plunger pump
Maximum flow	275 L/min at 2 200 min ⁻¹ (rpm)
Maximum pressure ..	29.4 MPa
Brake & fan & pilot oil pump	
.....	Fixed displacement gear pump
Maximum flow	38.1 L/min at 2 200 min ⁻¹ (rpm)
Maximum pressure ..	15.5 MPa
ZW250-7 Hydraulic cylinders	
Type	Double acting type
No. x Bore x Stroke ...	Arm : 1 x 165mm x 940mm
	Bucket : 2 x 165mm x 530mm
Filters	Full-flow 9 micron return filter in reservoir
Hydraulic cycle times	
Lift arm raise	5.3 s
Lift arm lower	3.5 s
Bucket dump	1.4 s
Total	10.2 s

*Data at Power Mode

ENVIROMENT

Engine Emissions

Complies with EU stage V

Sound level

External sound level according To ISO 6395 and EU Directive

2000/14EC	105 LwA dB(A)
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Sound level in cabin according to ISO 6396

.....	68 LpA dB(A)
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Air Conditioning System

The air conditioning system contains fluorinated greenhouse gases.

Refrigerant type: HFC-134a, GWP: 1430, Amount: 0.75±0.05kg, CO₂e: 1.07 ±0.07ton.

SERVICE REFILL CAPACITIES

Fuel tank	305 L
Engine coolant.....	39 L
Engine oil (Including oil pan)	25 L
Front axle differential & wheel hubs	43 L
Rear axle differential & wheel hubs	43 L
Hydraulic oil tank	115 L
DEF/AdBlue® tank	34 L