

# ZW75-6

## technical data

# HITACHI

## Reliable solutions

Preliminary specifications – subject to change

Operating weight: 5,050 kg  
Engine power: 50 kW (68 hp)  
Bucket capacity: 0.80 – 1.50 m<sup>3</sup>



- Monoboom with hydraulic quick-coupler
- Powerful Z-kinematics
- Self-stabilising concept
- Panorama cab with removable cabin roof

- Power-controlled, high-performance hydrostatic drive
- Planetary axles with manually switched, 100% differential lock on front and rear axle
- Smooth joystick operation
- Extensive range of attachments

### Engine

Low-noise, water-cooled Deutz TD 2.9 L4 turbo diesel engine. Common Rail injection system, cooled external exhaust gas recirculation and diesel oxidation catalyst (DOC). No regeneration necessary.

Net power at:	2,300 rpm
acc. to ISO 14396:	68 hp/50 kW
Max. torque at:	1,800 rpm
acc. to ISO 14396:	234 Nm

Air intake filter:	2-level dry-air filter with safety cartridge
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#### Electrical system:

Operating voltage:	12 Volt
Battery capacity:	100 Ah
Alternator rating:	95 A

### Drive

Hydrostatic, controlled drive, 2 stages for maximum propulsive force, stages shiftable under load, multifunction lever (joystick) for drive and working hydraulics control.

Axles:	large-scale production planetary axles
Differential lock:	manually switched differential lock in both axles, with 100% lock
Wheels:	tyre size: 12.5-18 option: 405/70 R18
Speeds:	road gear: 0-20 km/h field gear: 0-7 km/h
Oscillation:	max. oscillation angle +/- 11°

### Brakes

Working brakes:

1. hydrostatic inching brake, acting on all four wheels
2. hydraulically operated disc brake at the front axle, acting on all four wheels

Parking brake:

Mechanically activated parking brake, acting on all four wheels, with deactivation of the drive

### Steering

Hydrostatic articulated steering  
Max. steering angle: 2 x 40°  
Turning radius over rear: RK = 3700mm

### Hydraulic system

Single circuit hydraulics with central gear pump (lift/lower, tilt, quick-coupler) and steering (via priority valve); three-way control valve with primary and secondary safeguards.

Max. power at 2,300 rpm	62 l/min and 250 bar
Floating position for lifting cylinders	
Cylinders:	2 lifting cylinders 80 ø 1 tilting cylinder 100 ø

### Performance data

Bucket position:	crowd angle 47° dump angle top max. 45°
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Lifting force:	4,300 daN
Breakout force:	4,200 daN
Thrust force:	3,800 daN

#### Tipping load<sup>1</sup>:

standard bucket, straight	3,700kg
standard bucket, articulated	3,300kg

#### Payload/machine<sup>2</sup> (even ground):

on forks, frontal	2,350 kg
on forks, articulated	2,100 kg

1 Tipping load according to ISO 14397  
2 Payload according to EN 474-3

### Filling capacities

Engine with filters approx:	8.0 l
Fuel tank approx:	87.0 l
Front axle total approx:	5.9 l
Rear axle total approx:	6.8 l
Hydraulic system incl. tank approx:	60 l

### Standard features

- Comfortable panoramic cab with ROPS and removable top
- Driver door opens through 180°
- Right side window opens through 180° – can be locked in two positions
- Single-piece floor mat for easy cleaning
- Tinted windows
- Parallel guided windscreen wiper
- Rear wiper
- Front and rear screen washing device
- Heated rear window
- Two fold away outside mirrors
- Tinted roof window
- Steering column is adjustable in inclination
- Ergonomic joystick control
- Multiply adjustable driver's seat
- Safety belt
- Sunshade

- Heating and ventilation system with recirculation air function
- Main battery switch
- Interior light
- 12 V socket
- Coat hook
- Storage pockets in the cabin
- Intuitive modular control panel with onboard computer for machine monitoring
- Two driving lights
- Two working lights on cabin roof
- Single-key system
- 1st proportional auxiliary circuit for quick-coupler
- Hydraulic brand compatible quick-coupler with electric safety device
- Towing coupling
- Fastening and lifting points

### Optional equipment

- 30 km/h version
- Wide tyres
- Beacon light
- Interior mirror
- Acoustic back up alarm
- FOPS grid for cabin roof
- Bucket protection cover compliant with road-safety standards
- Hydraulic hoses for 1st auxiliary circuit
- Permanent function for auxiliary hydraulics
- Safety valves
- Boom suspension
- Bio-degradable oil fill for hydraulic system
- Pressureless return line
- HDRIVE (hand throttle + inching mode on pedal)
- Air-suspended driver's seat
- Glove-box with lid
- Radio
- Immobilizer
- Two working rear lights
- Cyclonic filter
- Corrosion protection for salt applications

### Emissions

#### Engine

According to EU 97/68 Stage IIIB

#### Noise emission

Sound power level (LWA) <sup>1</sup> :	99 dB(A)
Acoustic power level (LpA) <sup>2</sup> :	75 dB(A)

#### Vibrations

Vibration total value <sup>3</sup> :	< 2.5 m/s <sup>2</sup>
Effective vibration level <sup>4</sup> :	< 0.5 m/s <sup>2</sup>

1 According to 2000/14/EG

2 According to ISO 6396

3 According to ISO/TR 25398

4 According to ISO/TR 25398

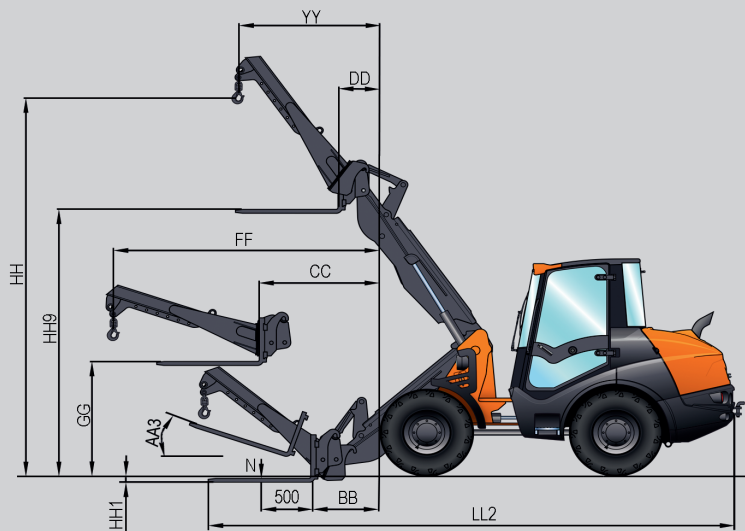
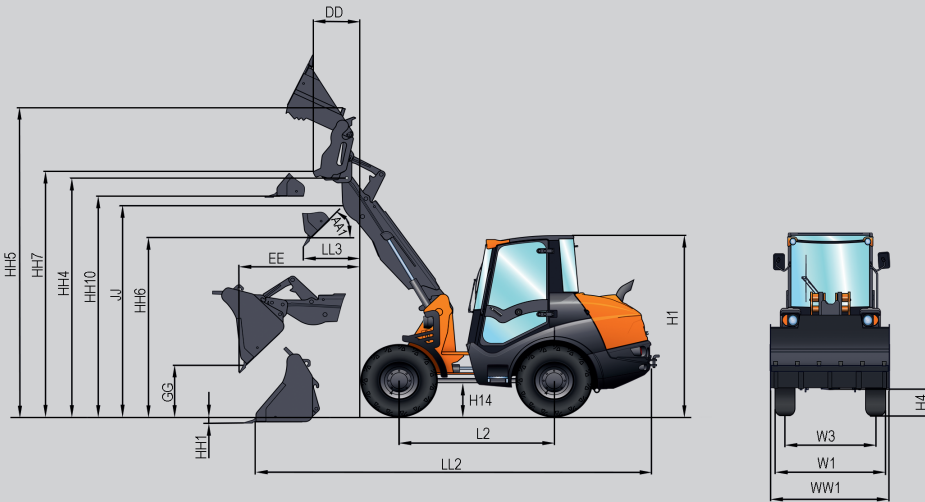
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### Measurements



Buckets		
Standard 0.85 m <sup>3</sup>	4 x 1 (0.80 m <sup>3</sup> )	
AA1	45°	42°
DD		535
EE	1,590	1,625
GG	760	595
H1	2,470	2,470
H4	340	340
H14	420	420
HH1	90	105
HH4	3,275	3,275
HH5	4,150	
HH6	2,475	2,375
HH7		3,010
HH10	3,030	3,010
JJ	2,780	2,770
L2	2,030	2,030
LL2	5,285	5,475
LL3 Z	780	880
W1	1,750	1,750
W3	1,405	1,405
WW1	1,850	1,950

### HIGH LIFT

Buckets		
Standard 0.85 m <sup>3</sup>	4 x 1 (0.80 m <sup>3</sup> )	
Density 1.4 t/m <sup>3</sup>		
HH6	2,785	2,685

	Forks	Load hook
AA3	19°	
BB	1,085	
CC	1,315	
DD	410	
FF		2,850
GG	1,385	
HH		4,510
HH1	100	
HH9	3,050	
LL2	5,730	6,385
YY		1,240