

ZAXIS-5 series Short-tail-swing version

**HITACHI**

Reliable solutions

# ZAXIS 65USB



## HYDRAULIC EXCAVATOR

Model Code : ZX65USB-5A

Engine Rated Power : 34.1 kW (46.4 HP)

Operating Weight : 6 140 - 6 290 kg

Backhoe Bucket ISO Heaped : 0.22 m<sup>3</sup>



# WALK AROUND

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Hitachi mini excavators are renowned for durability, and deliver high levels of productivity with reduced running costs

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The cab of the new Hitachi mini excavators is spacious and comfortable, with more leg room, enhanced visibility and user-friendly features

### 8-9 Maintenance

Quick and easy cleaning and maintenance can be carried out on the new ZAXIS 65USB thanks to convenient and accessible features

### 10-15 Specifications

#### Reduced fuel costs

The advanced energy saving system of the new ZAXIS mini excavator has significantly reduced fuel consumption.

#### Improved durability

Strengthened front joints, an improved swing post and boom cylinder guard are among the new features of the ZAXIS mini excavator range.

#### Greater versatility

With the standard stack muffler, auto shift travelling and a variety of optional parts, the new ZAXIS 65USB is suitable for a wide range of applications.



# ZAXIS 65USB

The new Hitachi ZAXIS 65USB mini excavator has been designed with one aim in mind – to enable our customers to make their visions a reality. It sets a new standard in terms of performance, comfort and maintenance, and builds upon the Hitachi reputation for versatility, reliability and durability. For owners, it meets the need for efficiency and high quality; for operators, it provides a comfortable, safe working environment and is extremely user-friendly. Thanks to a range of easy maintenance features and with the help of the Hitachi Support Chain after-sales programme, the new ZAXIS 65USB delivers excellent levels of availability, allowing you to bring every task to a satisfying conclusion – on time, on budget and to a high standard.

### Large cab

The wide operator seat, enhanced armrest and easy access to the cab of the new ZAXIS provide a more comfortable working environment for the operator.

### Ultimate comfort

Additional air conditioning vents ensure the cab remains at a comfortable temperature all year round.



### Short-tail swing radius

The short-tail swing radius makes the ZAXIS mini excavator ideal for working in confined spaces, particularly in urban areas on road construction and utilities projects.

### Easily accessible information

The large multi-function LCD monitor screen provides technical data and is easy to view during the day and at night.

### Quick and easy service access

The new ZAXIS has wide covers that are easy to open, and the radiator and oil cooler are conveniently located side by side.





# PERFORMANCE

Like all new ZAXIS models, the mini excavator range has been designed to deliver high levels of productivity and reduced running costs. Suitable for working on such projects as earthmoving, utilities and general construction – and particularly where space is limited – they are fast, powerful and fuel-efficient. They are also extremely durable, thanks to several new design features, which have been incorporated by Hitachi to ensure that they provide an outstanding level of performance on any job site.



# Designed to reduce running costs and built to last



## Lower fuel costs

To stand out in today's competitive construction market, your choice of machinery is vital. The productivity and efficiency of your equipment has a direct impact on your company's profitability and ultimately its success. These considerations were at the heart of the development of the new range of ZAXIS mini excavators.

For example, an advanced energy-saving system has been incorporated into the new ZAXIS 65USB model. It combines the ECO mode, auto idle and isochronous control features of the excavator to significantly reduce fuel consumption. Further benefits of this system include lower noise levels and emissions.

Fuel efficiency is also assured by the ZAXIS mini excavator's all-new engine, which is paired with an electronic governor. Working with the efficient HHH hydraulic system, it ensures that the excavator works with less fuel than the previous ZAXIS model (7% less in PWR mode\*), while maintaining high levels of productivity.

## Greater durability

Working on a variety of construction projects under the pressure of deadlines requires reliable and durable machines that help you to get the job done on time and within budget. The new ZAXIS mini excavators are extremely durable, thanks to a range of new and improved features.

The front joints of the machine have been strengthened, the swing post has been improved and the D-frame has also been reinforced. The ZAXIS 65USB is also equipped with a boom cylinder guard and a box sectioned rigid frame blade. A shorter pilot shut-off lever also provides added durability.

The overall performance of your equipment depends on high levels of availability and productivity. We believe that you will be able to enjoy a lower cost of ownership thanks to the durability of our new ZAXIS mini excavators.

\* Based on the measurement with the Hitachi test rule

## Key features

■ Auto shift travelling system

■ Accumulator (optional)

■ HHH hydraulic system

■ Auto idle system

■ ECO mode

■ Boom cylinder guard

■ Box sectioned rigid frame blade



# COMFORT

The new ZAXIS mini excavator may look compact on the outside, but the spacious cab proves that it is big on the inside. Hitachi design engineers consulted the views of operators all around the world on the most important considerations for the interior of the machine. As a result, they have developed a comfortable working environment with enhanced visibility, user-friendly features and a greater sense of space than the previous Hitachi models. It helps the ZAXIS 65USB to set a new standard on any job site.



# The cab of the new ZAXIS mini excavator is bigger and better



## From the comfort of the cab

If you're spending the majority of your working day in the cab of a Hitachi ZAXIS mini excavator, it's important that you feel comfortable and at ease while you work. Hitachi has designed the new ZAXIS 65USB with the operator firmly in mind, so that you will feel less tired at the end of your day on the construction site.

The wide seat and large cab interior are two of the most obvious changes to the new mini excavator range. There is more leg room thanks to the folding foot pedals, and an adjustable armrest also allows the operator to find the most comfortable seated position. Access to and from the cab is also easier thanks to the introduction of an entrance step.

## Enhanced visibility

An enlarged front window and door also contribute to the greater sense of space compared to the previous models, while also providing greater visibility. This is particularly important on busy construction sites and when working in compact spaces, to avoid unnecessary damage to the machine, or health and safety issues for the operator.

## At your fingertips

The power lies firmly in the hands of the operator in the new ZAXIS mini excavator, as Hitachi has incorporated a number of user-friendly features.

The new multi-function LCD monitor has a large three-and-a-half inch screen that is easy to view in bright sunlight or at night. It provides all vital technical data at a glance, including the machine's status and settings, and is positioned within easy reach of your right hand. The proportional switch in the new, optional, auxiliary function lever allows easy control of the front attachment.

## Enjoy your day

We wanted to ensure that our operators would be happy with the changes to the interior of the new ZAXIS mini excavator range, because we realise that a happy operator is also a more productive one. The emphasis of many of the new developments was on creating a pleasant working environment.

Additional air conditioning vents have been introduced to the rear of the cab, for example, to ensure that the climate within it remains comfortable, whatever the weather. The pressure of the ROPS cab has also been increased for the new ZAXIS model to reduce the amount of dust entering the cab.

## Key features

■ Enhanced visibility

■ New LCD monitor

■ Easily accessible information

■ Expansive leg room

■ Wide and comfortable seat

■ Folding foot pedals and adjustable armrest

■ Improved air conditioning

■ Auxiliary function lever (optional)



# MAINTENANCE

The new ZAXIS mini excavators will deliver high levels of availability, wherever in the world they are required to work. This is thanks, in part, to the Hitachi reputation for manufacturing reliable and durable machines. It is also due to their range of convenient maintenance features, which allow you to carry out quick and easy cleaning and service tasks on the job site. So, you can be assured of their optimum performance at all times.



# Enjoy trouble-free days on the jobsite thanks to easy maintenance



## Easy access

The new range of ZAXIS mini excavators has been designed with a variety of convenient features with the aim of making routine maintenance and servicing quick and easy for our customers.

The excavator's daily inspection points have been grouped together to allow for quick access, so that you can continue with your work as soon as possible. The cooling pack has also been arranged in parallel to achieve greater cooling efficiency.

The covers of the ZAXIS 65USB excavator, including those for the radiator, engine and fuel tank, have been designed to open widely and conveniently. A tilting device for the tilt-up floor is available as an option, providing even greater access for service and maintenance procedures.

Information on the new ZAXIS mini excavator is also easy to access, thanks to the Global e-Service and Owner's websites (available as an option). This enables you to access operational data on each machine online, helping you to plan preventative maintenance and manage your fleet remotely.

## Easy cleaning

A clean machine ensures optimum performance and helps to minimise downtime. Hitachi has introduced several new features to the new ZAXIS mini excavator range to help you keep it in excellent working order and maximise its availability. Inside the cab, the new two-piece floor mat can be removed and cleaned easily. An interior filter has been fitted to the air conditioning system, so that dust and air particles can be captured effectively.

## Support Chain

To further protect your investment in your new ZAXIS mini excavator, the Hitachi Support Chain after-sales programme gives you the flexibility to create a tailor-made service plan. This can include: Global e-Service, technical support, extended warranty and service contracts, and parts and remanufactured components. Each one of these is a link in the chain of service available from Hitachi via your local dealer. For more details, please contact your local dealer.

## Key features

- Spacious tool box
- Improved grease points
- Easy to open covers
- Global e-Service (optional)



# SPECIFICATIONS

## ENGINE

Model .....	Yanmar 4TNV94L-ZWHB
Type .....	4-cycle water-cooled, direct injection
No. of cylinders .....	4
Rated power	
ISO 9249, net .....	34.1 kW (46.4 HP) at 2 000 min <sup>-1</sup> (rpm)
EEC 80/1269, net .....	34.1 kW (46.4 HP) at 2 000 min <sup>-1</sup> (rpm)
SAE J1349, net .....	34.1 kW (46.4 HP) at 2 000 min <sup>-1</sup> (rpm)
Maximum torque .....	204 Nm (20.8 kgfm) at 1 000 min <sup>-1</sup> (rpm)
Piston displacement .....	3.053 L
Bore and stroke .....	94 mm x 110 mm
Battery .....	1 x 12 V / 92 Ah

## HYDRAULIC SYSTEM

### Hydraulic pumps

Main pump .....	1 variable displacement axial piston pump
Maximum oil flow .....	1 x 144 L/min
Pilot pump .....	1 gear pump
Maximum oil flow .....	10.4 L/min

### Hydraulic Motors

Travel .....	2 variable displacement axial piston motors
Swing .....	1 axial piston motor

### Relief Valve Settings

Implement circuit .....	24.5 MPa (250 kgf/cm <sup>2</sup> )
Swing circuit .....	19.6 MPa (200 kgf/cm <sup>2</sup> )
Travel circuit .....	25.7 MPa (262 kgf/cm <sup>2</sup> )
Pilot circuit .....	3.9 MPa (40 kgf/cm <sup>2</sup> )

### Hydraulic Cylinders

	Quantity	Bore	Rod diameter	Stroke
Boom	1	110 mm	60 mm	785 mm
Arm	1	90 mm	55 mm	770 mm
Bucket	1	80 mm	50 mm	581 mm
Blade	1	120 mm	70 mm	135 mm
Boom swing	1	95 mm	55 mm	710 mm

## UPPERSTRUCTURE

### Revolving Frame

D-section frame for resistance to deformation.

### Swing Device

Axial piston motor with planetary reduction gear is bathed in oil. Swing circle is single-row. Swing parking brake is spring-set/hydraulic-released disc type.

Swing speed .....	9.5 min <sup>-1</sup> (rpm)
Swing torque .....	11.0 kNm (1 120 kgfm)

### Operator's Cab

Independent spacious cab, 1 050 mm wide by 1 610 mm high, conforming to ISO\* Standards. Reinforced glass windows on 4 sides for visibility. Front windows (upper and lower) can be opened. Reclining seat.

\* International Organization for Standardization

## UNDERCARRIAGE

### Tracks

Tractor-type undercarriage. Welded track frame using selected materials. Side frame welded to track frame.

### Numbers of Rollers and Shoes on Each Side

Upper roller .....	1
Lower rollers .....	4

### Travel Device

Each track driven by 2-speed axial piston motor. Parking brake is spring-set/hydraulic-released disc type. Automatic transmission system: High-Low.

Travel speeds .....	High : 0 to 4.8 km/h
	Low : 0 to 2.9 km/h

Maximum traction force ...	39.8 kN (4 060 kgf)
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Gradeability .....	47 % (25 degree) continuous
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## SOUND LEVEL

Sound level in cab according to ISO 6396 .....	LpA 76 dB(A)
External sound level according to ISO 6395 and EU Directive 2000/14/EC .....	LwA 97 dB(A)

## SERVICE REFILL CAPACITIES

Fuel tank .....	120.0 L
Engine coolant .....	7.4 L
Engine oil .....	11.2 L
Travel device (each side) .....	0.9 L
Hydraulic system .....	108.0 L
Hydraulic oil tank .....	60.0 L

## WEIGHTS AND GROUND PRESSURE

### Operating Weight and Ground Pressure

Shoe type	Shoe width	Arm length	kg	kPa(kgf/cm <sup>2</sup> )
Rubber shoes	400 mm	1.50 m	6 140	35 (0.35)
		1.85 m	6 160	35 (0.36)
Grouser shoes	400 mm	1.50 m	6 240	35 (0.36)
		1.85 m	6 260	35 (0.36)
Pad crawler shoes	400 mm	1.50 m	6 270	35 (0.36)
		1.85 m	6 290	36 (0.36)

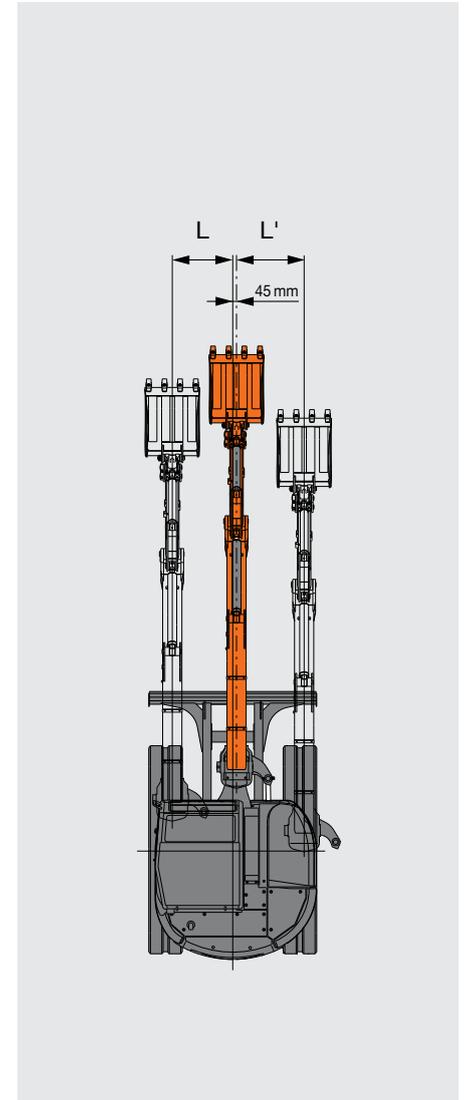
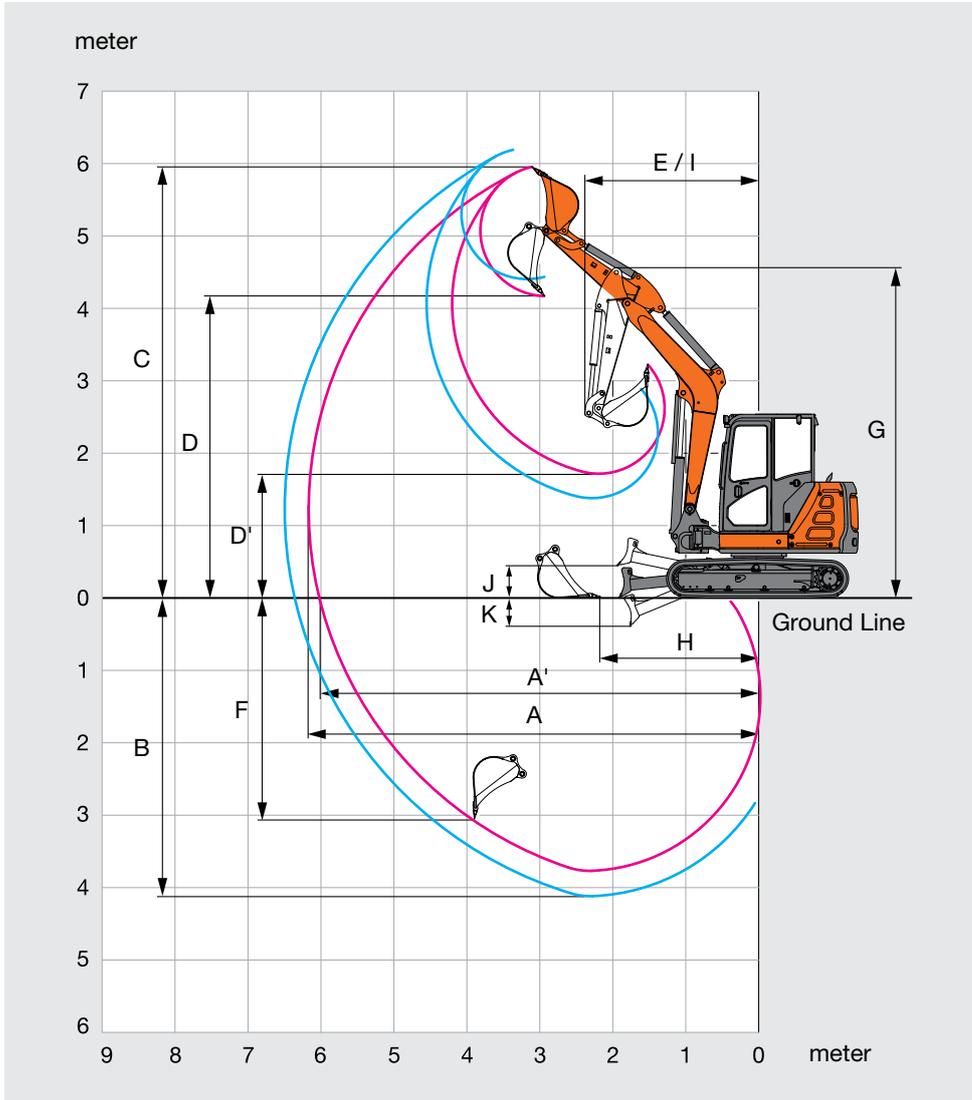
Including 0.24 m<sup>3</sup> (ISO heaped), bucket weight (146 kg).

## BUCKET AND ARM DIGGING FORCE

Arm length	1.50 m	1.85 m
Bucket digging force ISO	41.1 kN (4 190 kgf)	
Bucket digging force SAE : PCSA	35.9 kN (3 660 kgf)	
Arm crowd force ISO	31.1 kN (3 170 kgf)	27.0 kN (2 750 kgf)
Arm crowd force SAE : PCSA	29.5 kN (3 010 kgf)	25.8 kN (2 630 kgf)

# SPECIFICATIONS

## WORKING RANGES



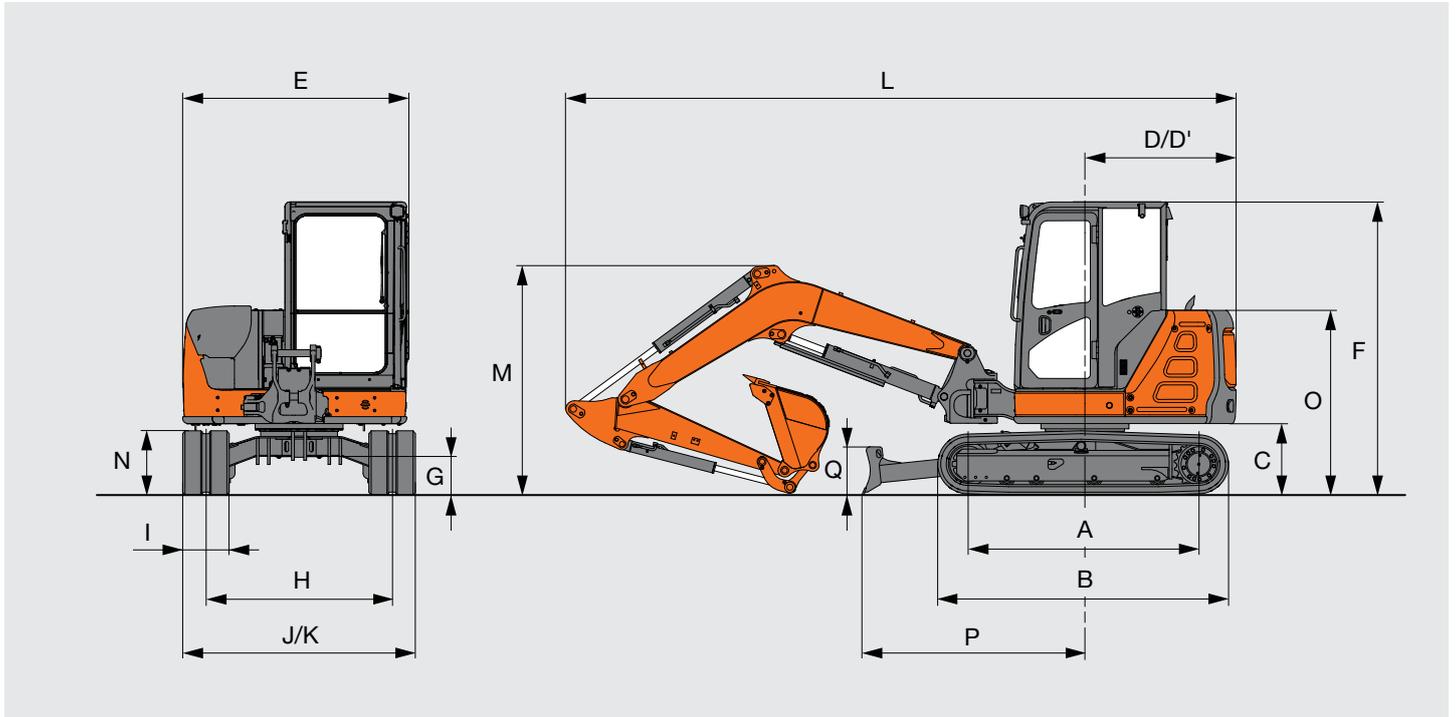
Unit: mm

Arm length	1.50 m	1.85 m
A Max. digging reach	6 230	6 560
A' Max. digging reach (on ground)	6 080	6 420
B Max. digging depth	3 770	4 120
C Max. cutting height	5 960	6 190
D Max. dumping height	4 170	4 410
D' Min. dumping height	1 720	1 380
E Min. swing radius	2 450	2 540
F Max. vertical wall digging depth	3 050	3 390
G Front height at Min. swing radius	4 560	4 560
H Min. level crowding distance	2 170	2 000
I Working radius at Min. swing radius (Max. boom-swing angle)	1 980	2 060
J Blade bottom highest position above ground	450	450
K Blade bottom lowest position above ground	390	390
L/L' Offset distance	720 / 850	720 / 850
Max. boom-swing angle (deg.)	80 / 60	80 / 60

Excluding track shoe lug

# SPECIFICATIONS

## DIMENSIONS



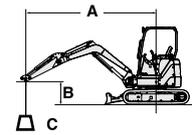
Unit: mm

	ZAXIS 65USB
A Distance between tumblers	1 990 (1 980)
B Undercarriage length	2 500 (2 480)
* C Counterweight clearance	620 (615)
D Rear-end swing radius	1 300
D' Rear-end length	1 300
E Overall width of upperstructure	1 930
F Overall height of cab	2 540
* G Min. ground clearance	335 (330)
H Track gauge	1 600
I Track shoe width	400
J Undercarriage width	2 000
K Overall width	2 000
L Overall length	
With 1.50 m arm	5 760
With 1.85 m arm	5 790
* M Overall height of boom	
With 1.50 m arm	1 980
With 1.85 m arm	2 170
N Track height	560 (550)
O Engine cover-height	1 600
P Horizontal distance to blade	1 920
Q Blade height	420

\* Excluding track shoe lug      Data in ( ) are dimensions of grouser shoe.

# LIFTING CAPACITIES

- Notes:
1. Ratings are based on ISO 10567.
  2. Lifting capacity does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.
  3. The load point is the center-line of the bucket pivot mounting pin on the arm.
  4. \*Indicates load limited by hydraulic capacity.
  5. 0 m = Ground.



A: Load radius  
B: Load point height  
C: Lifting capacity

For lifting capacities, subtract bucket and quick hitch weight from lifting capacities without bucket.

## ZAXIS 65USB, Blade above Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m				meter
Boom 2.97 m Arm 1.50 m Rubber shoe 400 mm	4.0							1.37	1.16			1.20	1.02	4.32
	3.0					*1.78	*1.78	1.35	1.15			0.95	0.81	4.95
	2.0					2.01	1.66	1.29	1.09	0.92	0.78	0.85	0.72	5.26
	1.0					1.87	1.53	1.23	1.03	0.89	0.76	0.82	0.69	5.32
	0 (Ground)					1.82	1.48	1.20	1.00	0.88	0.74	0.85	0.71	5.14
	-1.0	*2.58	*2.58	*3.07	2.90	1.82	1.49	1.19	0.99			0.96	0.81	4.70
	-2.0			3.88	2.97	1.86	1.53					1.28	1.07	3.87

## ZAXIS 65USB, Blade on Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m				meter
Boom 2.97 m Arm 1.50 m Rubber shoe 400 mm	4.0							*1.55	1.16			*1.62	1.02	4.32
	3.0					*1.78	*1.78	*1.64	1.15			*1.64	0.81	4.95
	2.0					*2.74	1.66	*1.98	1.09	*1.71	0.78	*1.67	0.72	5.26
	1.0					*3.64	1.53	*2.35	1.03	*1.84	0.76	*1.75	0.69	5.32
	0 (Ground)					*3.87	1.48	*2.55	1.00	*1.90	0.74	*1.82	0.71	5.14
	-1.0	*2.58	*2.58	*3.07	2.90	*3.63	1.49	*2.47	0.99			*1.91	0.81	4.70
	-2.0			*4.67	2.97	*2.91	1.53					*1.96	1.07	3.87

## ZAXIS 65USB, Blade above Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m				meter
Boom 2.97 m Arm 1.85 m Rubber shoe 400 mm	4.0							*1.29	1.18			1.03	0.88	4.74
	3.0							1.36	1.15	0.94	0.80	0.85	0.72	5.30
	2.0					2.05	1.70	1.30	1.10	0.92	0.78	0.76	0.65	5.59
	1.0					1.88	1.54	1.23	1.03	0.89	0.75	0.74	0.62	5.65
	0 (Ground)					1.80	1.46	1.18	0.98	0.86	0.72	0.76	0.64	5.48
	-1.0	*2.07	*2.07	*2.64	*2.64	1.78	1.45	1.16	0.97	0.86	0.72	0.84	0.71	5.08
	-2.0	*3.37	*3.37	3.78	2.88	1.81	1.48	1.18	0.98			1.06	0.89	4.34
-3.0			*2.97	*2.97							*1.79	1.62	2.93	

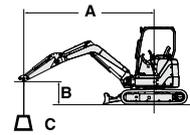
## ZAXIS 65USB, Blade on Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m				meter
Boom 2.97 m Arm 1.85 m Rubber shoe 400 mm	4.0							*1.29	1.18			*1.37	0.88	4.74
	3.0							*1.42	1.15	*1.45	0.80	*1.30	0.72	5.30
	2.0					*2.31	1.70	*1.78	1.10	*1.57	0.78	*1.32	0.65	5.59
	1.0					*3.34	1.54	*2.19	1.03	*1.75	0.75	*1.41	0.62	5.65
	0 (Ground)					*3.81	1.46	*2.47	0.98	*1.87	0.72	*1.59	0.64	5.48
	-1.0	*2.07	*2.07	*2.64	*2.64	*3.75	1.45	*2.51	0.97	*1.80	0.72	*1.75	0.71	5.08
	-2.0	*3.37	*3.37	*4.58	2.88	*3.23	1.48	*2.15	0.98			*1.83	0.89	4.34
-3.0			*2.97	*2.97							*1.79	1.62	2.93	

# LIFTING CAPACITIES

- Notes:
1. Ratings are based on ISO 10567.
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Conditions	Load point height m	Load radius										At max. reach		
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Boom 2.97 m Arm 1.50 m Grouser shoe 400 mm	4.0							1.39	1.18			1.22	1.04	4.32
	3.0					*1.78	*1.78	1.37	1.16			0.97	0.82	4.95
	2.0					2.04	1.69	1.32	1.11	0.94	0.79	0.86	0.73	5.26
	1.0					1.90	1.56	1.25	1.05	0.91	0.77	0.83	0.71	5.32
	0 (Ground)					1.85	1.51	1.22	1.02	0.89	0.76	0.86	0.73	5.14
	-1.0	*2.58	*2.58	*3.07	2.95	1.85	1.51	1.21	1.01			0.98	0.82	4.70
	-2.0			3.94	3.02	1.89	1.55					1.31	1.09	3.87

## ZAXIS 65USB, Blade on Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m				meter
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	3.0					*1.78	*1.78	*1.64	1.15			*1.64	0.81	4.95
	2.0					*2.74	1.66	*1.98	1.09	*1.71	0.78	*1.67	0.72	5.26
	1.0					*3.64	1.53	*2.35	1.03	*1.84	0.76	*1.75	0.69	5.32
	0 (Ground)					*3.87	1.48	*2.55	1.00	*1.90	0.74	*1.82	0.71	5.14
	-1.0	*2.58	*2.58	*3.07	2.90	*3.63	1.49	*2.47	0.99			*1.91	0.81	4.70
	-2.0			*4.67	2.97	*2.91	1.53					*1.96	1.07	3.87

## ZAXIS 65USB, Blade above Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

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Boom 2.97 m Arm 1.85 m Grouser shoe 400 mm	4.0							*1.29	1.20			1.05	0.89	4.74
	3.0							1.38	1.17	0.96	0.81	0.86	0.73	5.30
	2.0					2.08	1.72	1.32	1.12	0.93	0.79	0.78	0.66	5.59
	1.0					1.91	1.57	1.25	1.05	0.90	0.76	0.75	0.63	5.65
	0 (Ground)					1.83	1.49	1.20	1.00	0.88	0.74	0.77	0.65	5.48
	-1.0	*2.07	*2.07	*2.64	*2.64	1.82	1.48	1.18	0.99	0.87	0.73	0.86	0.72	5.08
	-2.0	*3.37	*3.37	3.85	2.94	1.85	1.51	1.20	1.00			1.08	0.90	4.34
-3.0			*2.97	*2.97							*1.79	1.65	2.93	

## ZAXIS 65USB, Blade on Ground

Rating over-front Rating over-side or 360 degrees Unit : 1 000 kg

Conditions	Load point height m	Load radius										At max. reach		
		1.0 m		2.0 m		3.0 m		4.0 m		5.0 m				meter
Boom 2.97 m Arm 1.85 m Grouser shoe 400 mm	4.0							*1.29	1.18			*1.37	0.88	4.74
	3.0							*1.42	1.15	*1.45	0.80	*1.30	0.72	5.30
	2.0					*2.31	1.70	*1.78	1.10	*1.57	0.78	*1.32	0.65	5.59
	1.0					*3.34	1.54	*2.19	1.03	*1.75	0.75	*1.41	0.62	5.65
	0 (Ground)					*3.81	1.46	*2.47	0.98	*1.87	0.72	*1.59	0.64	5.48
	-1.0	*2.07	*2.07	*2.64	*2.64	*3.75	1.45	*2.51	0.97	*1.80	0.72	*1.75	0.71	5.08
	-2.0	*3.37	*3.37	*4.58	2.88	*3.23	1.48	*2.15	0.98			*1.83	0.89	4.34
-3.0			*2.97	*2.97							*1.79	1.62	2.93	

# EQUIPMENT

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

## ENGINE

Auto idle system	●
Cartridge-type engine oil filter	●
Dust-proof indoor net	●
ECO/PWR mode control	●
Electrical fuel feed pump	●
Fuel main filter	●
High performance water separator	●
Radiator reserve tank	●
55 A alternator	●

## HYDRAULIC SYSTEM

Boom anti-drift valve	●
Full-flow filter	●
Hydraulic pilot type control levers	●
Pilot control shut-off lever with neutral engine start system	●
Pilot filter	●
Suction filter	●
Swing parking brake	●
Travel parking brake	●
Two-speed travel system	●
Valve for extra piping	●

## CAB

Air conditioner	●
AM/FM radio	●
Anti-slip plate	●
Armrest	●
Defroster	●
Drink holder	●
Electric horn	●
Floor mat	●
Reclining seat	●
Retractable seat belt	●
ROPS/FOPS cab	●
Spare power supply	●
Suspension seat	●
Window washer	●
Wiper	●

## UPPERSTRUCTURE

Auxiliary flow rate selector	○
Auxiliary overload relief valve	○
Auxiliary function lever (AFL)	○
Electric refuel pump	○
Pilot accumulator	○
Rearview mirror	●
Stack muffler	●
Tool box	●
270 kg additional counterweight	○

## UNDERCARRIAGE

400 mm grouser shoes	○
400 mm pad crawler shoes	○
400 mm rubber shoes	●

## FRONT ATTACHMENTS

Asist piping	○
Extra piping	●
HN bushing	●
Hose rupture valve	○
1.50 m arm	○
1.85 m arm	●

## MISCELLANEOUS

Theft deterrent system*	○
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Standard and optional equipment may vary by country, so please consult your Hitachi dealer for details.

\* Hitachi Construction Machinery cannot be held liable for theft, any system will just minimize the risk of theft.



**Built on the foundation of superb technological capabilities, Hitachi Construction Machinery is committed to providing leading-edge solutions and services to contribute as a reliable partner to the business of customers worldwide.**

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## Hitachi Environmental Vision 2025

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The Hitachi Group released the Environmental Vision 2025 to curb annual carbon dioxide emissions. The Group is committed to global production while reducing environmental impact in life cycles of all products, and realizing a sustainable society by tackling three goals — prevention of global warming, recycling of resources, and enhancement of ecosystem.

### Reducing Environmental Impact by New ZAXIS

Hitachi makes a green way to cut carbon emissions for global warming prevention according to LCA\*. New ZAXIS utilizes lots of technological advances, including the new ECO mode, and Isochronous Control. Hitachi has long been committed to recycling of components, such as aluminum parts in radiators and oil cooler. Resin parts are marked for recycling.

\*Life Cycle Assessment – ISO 14040

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, customer installed and modified parts, optional parts and all standard equipment with some differences in color and features. Before use, read and understand the Operator's Manual for proper operation.



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