

**ZAXIS-6 series**

**HITACHI**

**Reliable solutions**

# Special application machines







## Telescopic arm

Capable of removing soil from depths of 30 metres below ground level.



## High reach demolition

Carries out precise demolition work on buildings up to a height of seven storeys.



## Forestry

Ideal for logging, tree felling, loading and making access routes.







## Short reach front

Exceptional digging force for tunnelling projects, underground excavation and demolition work.



## Super long front

The perfect solution for dredging rivers and lakes, bank maintenance and slope finishing.



## Sliding arm

Compact, powerful and with an extended working range, it is suitable for urban and road construction projects.







Guard protects the cylinder from potential damage.



The main frame is reinforced for greater durability.



## ZX250LC-6 to ZX350LCN-6

**Ideal for precise demolition of multi-storey buildings**

# Aiming higher

Hitachi demolition machines offer superior strength, greater durability and increased safety for operators in challenging working environments. Both high reach demolition and straight boom models are ideal for reaching the upper sections of tall buildings.

Straight boom excavators offer a significant height increase in working range over standard models and have excellent lifting capacity. High reach excavators are equipped with mono, two- or three-piece booms, and can reach up to 23 metres.

## Key features\*

- Strengthened frame
- Tilting cab
- Quick coupler for piping
- Hydraulic connecting pins

## High reach

| Specifications              | ZX350LC-6<br>high reach 23m | ZX350LC-6<br>2-piece boom | ZX350LC-6<br>monoboom |
|-----------------------------|-----------------------------|---------------------------|-----------------------|
| Operating weight (kg)       | 46,900                      | 46,200                    | 40,800                |
| Maximum arm top height (mm) | 23,040                      | 13,390                    | 10,870                |
| Maximum arm top reach (mm)  | 12,420                      | 11,770                    | 10,190                |
| Attachment tool weight (kg) | 3,000                       | 3,500                     | 3,500                 |

## Straight boom

| Specifications             | ZX250LCN-6      | ZX300LCN-6      | ZX350LCN-6      |
|----------------------------|-----------------|-----------------|-----------------|
| Operating weight (kg)      | 26,400 - 27,500 | 30,400 - 31,600 | 36,700 - 37,900 |
| Maximum digging reach (mm) | 10,800          | 11,240          | 11,910          |
| Maximum digging depth (mm) | 6,010           | 5,720           | 6,015           |

## Short-tail swing

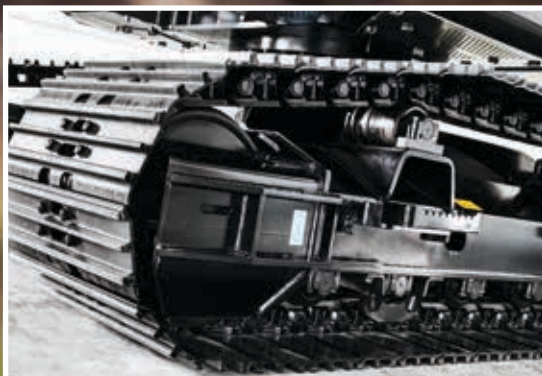
| Specifications             | ZX225USRLC-6<br>2-piece boom |
|----------------------------|------------------------------|
| Operating weight (kg)      | 29,200                       |
| Maximum digging reach (mm) | 10,130                       |
| Maximum digging depth (mm) | 5,000                        |

\* not applicable for the ZX225USRLC-6 and Straight boom

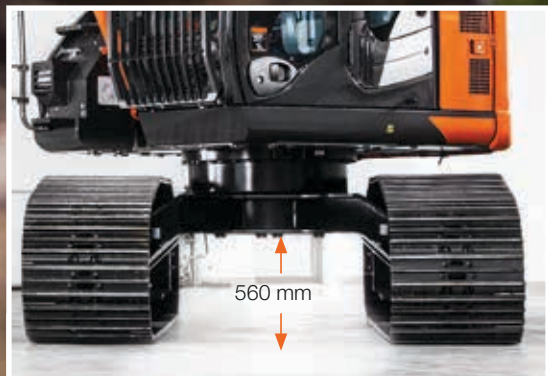


Quick couplers enable faster changeovers.





The reinforced idler frame enhances durability.



Higher ground clearance than standard excavators is ideal for rough terrain.



ZX135USL-6 forestry excavator

Suitable for working on tough, uneven terrain

# Natural talent

Ideal for a variety of applications such as logging, tree felling, loading and making access routes, the ZX135USL-6 forestry excavator has a short-tail swing radius, robust undercarriage and increased ground clearance for excellent mobility on uneven terrain. It also offers greater lifting capacity than standard models.

Key features

- Fixed laminated front window
- Durable undercarriage
- Reinforced components
- Heavier counterweight

| Specifications                | ZX135USL-6      |
|-------------------------------|-----------------|
| Operating weight (kg)         | 15,300 - 16,500 |
| Minimum ground clearance (mm) | 560             |
| Undercarriage length (mm)     | 3,790           |

The track's under cover is thicker and has a reinforced rib design for enhanced durability.





The design of the front attachment allows for easy transportation.



The small additional counterweight is easy to handle and increases stability.



## ZX130LCN-6 to ZX350LCN-6

**Perfect for dredging, bank maintenance and slope finishing**

# Reaching further

An extended working range gives Hitachi super long front excavators a distinct advantage – enabling them to dig deeper and reach further than standard models. Hitachi offers a wide range of models, providing the perfect solution for dredging rivers and lakes, bank maintenance and slope finishing.

## Key features

- Durable front construction
- Heavier counterweight
- Dedicated machine setting
- Interchangeable parts with standard models

| Specifications                  | ZX130LCN-6<br>HE13 | ZX210LC-6<br>HE15LD | ZX250LC/LCN-6<br>HE15LD |
|---------------------------------|--------------------|---------------------|-------------------------|
| Operating weight (kg)           | 14,700 - 15,400    | 24,400 - 25,300     | 28,600 - 29,800         |
| Maximum digging reach (mm)      | 13,220             | 15,380              | 15,070                  |
| Maximum digging depth (mm)      | 10,150             | 11,520              | 10,870                  |
| Bucket capacity (m³) ISO heaped | 0.28               | 0.40                | 0.66                    |

| Specifications                  | ZX250LC/LCN-6<br>HE18LD | ZX300LC/LCN-6<br>HE15LD | ZX300LC-6/LCN-6<br>HE18LD |
|---------------------------------|-------------------------|-------------------------|---------------------------|
| Operating weight (kg)           | 28,700 - 29,900         | 32,900 - 34,200         | 32,900 - 34,200           |
| Maximum digging reach (mm)      | 18,200                  | 15,750                  | 18,180                    |
| Maximum digging depth (mm)      | 12,760                  | 10,620                  | 12,550                    |
| Bucket capacity (m³) ISO heaped | 0.40                    | 0.70                    | 0.40                      |

| Specifications                  | ZX350LC/LCN-6<br>HE15LD | ZX350LC/LCN-6<br>HE18LD | ZX350LC/LCN-6<br>HE20LD | ZX350LC/LCN-6<br>HE22 |
|---------------------------------|-------------------------|-------------------------|-------------------------|-----------------------|
| Operating weight (kg)           | 38,000 - 39,300         | 38,000 - 39,300         | 37,800 - 39,000         | 37,800 - 39,000       |
| Maximum digging reach (mm)      | 15,960                  | 18,130                  | 20,260                  | 22,070                |
| Maximum digging depth (mm)      | 11,400                  | 13,060                  | 14,910                  | 16,430                |
| Bucket capacity (m³) ISO heaped | 1.00                    | 0.70                    | 0.40                    | 0.40                  |

Hose rupture valves for arm and boom guarantee a safe lifting operation.





The sliding arm extends the working range of the ZX135US-6.



Short swing radius ensures the ZX135US-6 fits perfectly in small spaces.



## ZX135US-6 sliding arm excavator

**Ideal for underground excavation  
in confined spaces**

# Digging deeper

The ZX135US-6 with a sliding arm mechanism can dig deeper than a 30-tonne standard excavator (to depths of 7.7 metres). It is ideal for urban and road construction job sites, and any deep excavation projects in which space is limited.

### Key features

- Short-tail swing radius
- Durable sliding structure
- Lubrication points
- Easy to replace sliding plates

| Specifications             | ZX135US-6       | ZX225USRLC-6    |
|----------------------------|-----------------|-----------------|
| Operating weight (kg)      | 15,000 - 15,600 | 21,400 - 22,300 |
| Maximum digging reach (mm) | 10,450          | 12,450          |
| Maximum digging depth (mm) | 7,790           | 9,340           |



Combined operation of boom and arm enables smooth slope finishing.





Optional zoom camera enhances visibility.



Reinforced clamshell bucket enhances durability.



ZX135US-6 to ZX350LCN-6

Safe and efficient excavation to depths of 30 metres below ground level

# Exploring new depths

Hitachi medium excavators with telescopic arms are capable of removing soil from depths of 30 metres below ground level. Ideal for underground construction projects, they can load trucks efficiently thanks to the arm’s high speed extension and retraction. They are also equipped with a sliding cab and floor window for excellent visibility.

Key features

- Sliding cab
- Reinforced clamshell bucket
- Floor window
- Dedicated hydraulic circuit

| Specifications             | ZX135US-6<br>16 m | ZX210LC-6<br>21 m | ZX350LC-6<br>25 m | ZX350LCN-6<br>25 m |
|----------------------------|-------------------|-------------------|-------------------|--------------------|
| Operating weight (kg)      | 16,400            | 27,600            | 42,900            | 42,800             |
| Maximum digging reach (mm) | 16,450            | 21,150            | 25,200            | 25,160             |
| Dumping height (mm)        | 4,830             | 6,050             | 5,330             | 5,380              |

| Specifications             | ZX350LC-6<br>30 m | ZX350LCN-6<br>30 m |
|----------------------------|-------------------|--------------------|
| Operating weight (kg)      | 46,600            | 46,100             |
| Maximum digging depth (mm) | 30,000            | 29,700             |
| Dumping height (mm)        | 4,840             | 5,140              |



LED working lights highlight the area below for operators.





Cylinder guard provides additional protection.



Front top guard complies with demolition specifications.



ZX135US-6 SRF

Superior digging performance for tunnelling, demolition and underground excavation

# Breaking ground

The ZX135US-6 short reach front excavator is ideal for use when space is limited and height restricted, such as tunnelling projects, underground excavation and demolition work. It has a short boom and arm, and greater digging force than larger 20-tonne machines. Two lifting brackets on the upper structure enable it to be lifted or lowered into position safely and securely using a crane.

Key features

- Reinforced and bigger bucket linkage
- Short-tail swing radius
- Integrated cylinder guard
- Short boom and arm

| Specifications                  | ZX135US-6 SRF |
|---------------------------------|---------------|
| Operating weight (kg)           | 15,700        |
| Bucket capacity (m³) ISO heaped | 0.65          |
| Maximum arm top reach (mm)      | 5,840         |
| Maximum arm top height (mm)     | 4,920         |

Reinforced under covers help to prevent damage.

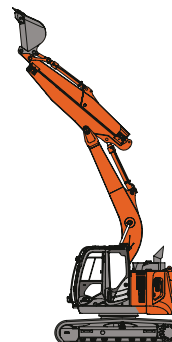


# Specifications



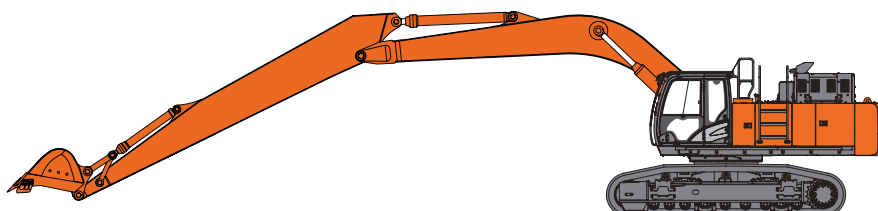
## Short reach front

| ZX135US-6                       |        |
|---------------------------------|--------|
| Operating weight (kg)           | 15,700 |
| Engine rated output (kW)        | 74.9   |
| Maximum arm point height (mm)   | 5,840  |
| Maximum arm point reach (mm)    | 4,920  |
| Bucket capacity (m³) ISO heaped | 0.65   |



## Sliding arm

|                                 | ZX135US-6       | ZX225USRLC-6    |
|---------------------------------|-----------------|-----------------|
| Operating weight (kg)           | 15,000 - 15,600 | 21,400 - 22,300 |
| Engine rated output (kW)        | 74.9            | 122             |
| Maximum digging reach (mm)      | 10,450          | 12,450          |
| Maximum digging depth (mm)      | 7,790           | 9,340           |
| Bucket capacity (m³) ISO heaped | 0.36            | 0.51            |



## Super long front

|                            | ZX85US-5<br>Type 10   | ZX130LCN-6<br>HE13    | ZX210LC-6<br>HE15LD   | ZX250LC-6<br>HE15LD   | ZX250LCN-6<br>HE15LD  |                     |
|----------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|
| Operating weight (kg)      | 9,170 - 9,340         | 14,700 - 15,400       | 24,400 - 25,300       | 28,600 - 29,800       | 28,600 - 29,700       |                     |
| Engine rated output (kW)   | 34.1                  | 78.5                  | 128.4                 | 140                   | 140                   |                     |
| Bucket capacity (m³)       | 0.13                  | 0.28                  | 0.40                  | 0.66                  | 0.59                  |                     |
| Maximum digging reach (mm) | 10,280                | 13,220                | 15,380                | 15,070                | 15,070                |                     |
| Maximum digging depth (mm) | 7,650                 | 10,150                | 11,540                | 10,870                | 10,870                |                     |
|                            | ZX250LC-6<br>HE18LD   | ZX250LCN-6<br>HE18LD  | ZX300LC-6<br>HE15LD   | ZX300LCN-6<br>HE15LD  | ZX300LC-6<br>HE18LD   |                     |
| Operating weight (kg)      | 28,800 - 29,900       | 28,700 - 29,800       | 33,100 - 34,200       | 32,900 - 34,100       | 33,000 - 34,200       |                     |
| Engine rated output (kW)   | 140                   | 140                   | 197                   | 197                   | 197                   |                     |
| Bucket capacity (m³)       | 0.40                  | 0.40                  | 0.70                  | 0.60                  | 0.40                  |                     |
| Maximum digging reach (mm) | 18,200                | 18,200                | 15,750                | 15,750                | 18,180                |                     |
| Maximum digging depth (mm) | 12,760                | 12,760                | 10,620                | 10,620                | 12,550                |                     |
|                            | ZX300LCN-6<br>HE18LD  | ZX350LC-6<br>HE15LD   | ZX350LCN-6<br>HE15LD  | ZX350LC-6<br>HE18LD   | ZX350LCN-6<br>HE18LD  | ZX350LC-6<br>HE20LD |
| Operating weight (kg)      | 32,900 - 34,000       | 38,100 - 39,300       | 38,000 - 39,200       | 38,100 - 39,300       | 38,000 - 39,200       | 37,900 - 39,000     |
| Engine rated output (kW)   | 197                   | 210                   | 210                   | 210                   | 210                   | 210                 |
| Bucket capacity (m³)       | 0.40                  | 1.00                  | 0.80                  | 0.70                  | 0.60                  | 0.40                |
| Maximum digging reach (mm) | 18,180                | 15,960                | 15,960                | 18,130                | 18,130                | 20,260              |
| Maximum digging depth (mm) | 12,550                | 11,400                | 11,400                | 13,060                | 13,060                | 14,910              |
|                            | ZX350LCN-6<br>HE20LD  | ZX350LC-6<br>HE22     | ZX350LCN-6<br>HE22    | ZX490LCH-6<br>HE16LD  | ZX490LCH-6<br>Type 14 |                     |
| Operating weight (kg)      | 37,800 - 38,900       | 37,900 - 39,000       | 37,800 - 38,900       | 52,300 - 53,700       | 49,500 - 51,000       |                     |
| Engine rated output (kW)   | 210                   | 210                   | 210                   | 270                   | 270                   |                     |
| Bucket capacity (m³)       | 0.40                  | 0.40                  | 0.40                  | 1.15                  | 1.15                  |                     |
| Maximum digging reach (mm) | 20,260                | 22,070                | 22,070                | 16,650                | 14,510                |                     |
| Maximum digging depth (mm) | 14,910                | 16,430                | 16,430                | 11,910                | 10,230                |                     |
|                            | ZX490LCH-6<br>Type 16 | ZX490LCH-6<br>Type 20 | ZX690LCH-6<br>Type 16 | ZX890LCH-6<br>Type 17 | ZX890LCH-6<br>Type 21 |                     |
| Operating weight (kg)      | 50,200 - 50,800       | 52,400 - 53,200       | 66,200                | 81,900                | 83,100                |                     |
| Engine rated output (kW)   | 270                   | 270                   | 345                   | 397                   | 397                   |                     |
| Bucket capacity (m³)       | 1.15                  | 0.8                   | 1.5                   | 1.9                   | 1.5                   |                     |
| Maximum digging reach (mm) | 16,650                | 20,340                | 16,170                | 17,560                | 21,050                |                     |
| Maximum digging depth (mm) | 12,600                | 12,670                | 11,480                | 12,160                | 15,850                |                     |





## Straight boom

|                            | ZX250LC-6       | ZX250LCN-6      |
|----------------------------|-----------------|-----------------|
| Operating weight (kg)      | 26,400 - 27,500 | 26,300 - 27,500 |
| Engine rated output (kW)   | 140             | 140             |
| Maximum digging reach (mm) | 10,800          | 10,800          |
| Maximum digging depth (mm) | 6,030           | 6,030           |

|                            | ZX300LC-6       | ZX300LCN-6      |
|----------------------------|-----------------|-----------------|
| Operating weight (kg)      | 30,400 - 31,600 | 30,200 - 31,400 |
| Engine rated output (kW)   | 197             | 197             |
| Maximum digging reach (mm) | 11,240          | 11,240          |
| Maximum digging depth (mm) | 5,720           | 5,720           |

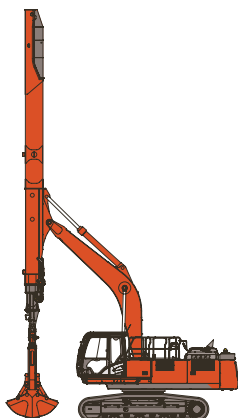
  

|                            | ZX350LC-6       | ZX350LCN-6      |
|----------------------------|-----------------|-----------------|
| Operating weight (kg)      | 36,700 - 37,900 | 36,500 - 36,900 |
| Engine rated output (kW)   | 202             | 202             |
| Maximum digging reach (mm) | 11,910          | 11,910          |
| Maximum digging depth (mm) | 6,015           | 6,015           |



## Forestry

|                                 | ZX135USL-6      |
|---------------------------------|-----------------|
| Operating weight (kg)           | 15,300 - 16,500 |
| Engine rated output (kW)        | 74.9            |
| Maximum arm point height (mm)   | 8,220           |
| Maximum arm point reach (mm)    | 7,150           |
| Bucket capacity (m³) ISO heaped | 0.50            |



## Telescopic arm

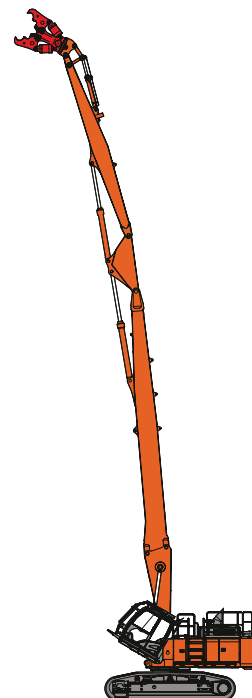
|                                     | ZX135US-6<br>16 m | ZX210LC-6<br>21 m |
|-------------------------------------|-------------------|-------------------|
| Operating weight (kg)               | 16,400            | 27,600            |
| Engine rated output (kW)            | 74.9              | 122               |
| Maximum vertical digging depth (mm) | 16,450            | 6,050             |
| Maximum dumping height (mm)         | 4,830             | 21,150            |
| Bucket capacity (m³)                | 0.25              | 0.80              |

|                                     | ZX350LC-6<br>25 m | ZX350LCN-6<br>25 m |
|-------------------------------------|-------------------|--------------------|
| Operating weight (kg)               | 42,900            | 42,800             |
| Engine rated output (kW)            | 202               | 202                |
| Maximum vertical digging depth (mm) | 25,200            | 25,160             |
| Maximum dumping height (mm)         | 5,330             | 5,380              |
| Bucket capacity (m³)                | 1.30              | 1.15               |

|                                     | ZX350LC-6<br>30 m | ZX350LCN-6<br>30 m |
|-------------------------------------|-------------------|--------------------|
| Operating weight (kg)               | 46,600            | 46,100             |
| Engine rated output (kW)            | 202               | 202                |
| Maximum vertical digging depth (mm) | 30,000            | 29,700             |
| Maximum dumping height (mm)         | 4,840             | 5,140              |
| Bucket capacity (m³)                | 1.55              | 1.30               |



## Demolition

|                                 | ZX225USRLC-6<br>2-piece boom demolition |
|---------------------------------|---|
| Operating weight (kg)           | 29,200                                  |
| Engine rated output (kW)        | 122                                     |
| Maximum digging reach (mm)      | 10,130                                  |
| Maximum digging depth (mm)      | 5,000                                   |
| Bucket capacity (m³) ISO heaped | 0.51                                    |

|                            | ZX350LC-6<br>high reach 23 m | ZX350LC-6<br>2-piece boom |
|----------------------------|------------------------------|---------------------------|
| Operating weight (kg)      | 46,900                       | 40,800                    |
| Engine rated output (kW)   | 210                          | 210                       |
| Maximum digging reach (mm) | 12,420                       | 10,190                    |
| Maximum digging depth (mm) | 23,040                       | 10,870                    |

|                            | ZX350LC-6<br>monoboom |
|----------------------------|-----------------------|
| Operating weight (kg)      | 46,200                |
| Maximum digging reach (mm) | 11,770                |
| Working height (mm)        | 13,990                |



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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.