

**ZAXIS-7G series**

**HITACHI**

**Reliable Solutions**

# **ZAXIS490/550**



## **HYDRAULIC EXCAVATOR**

Model code : ZX490LC-7G

Engine rated power : 296 kW (397HP)

Operating weight : 47 900 kg

Bucket capacity : 3.40 m<sup>3</sup>

ZX550LC-7G

296 kW (397HP)

54 700 kg

4.0 m<sup>3</sup>



# MAKSIMALKAN KEUNGGULAN MESIN ANDA

Anda adalah faktor terpenting dalam desain jajaran produk ekskavator terbaru Hitachi Construction Machinery. Demi terus menyempurnakan mesin generasi sebelumnya, kami berfokus pada peningkatan keuntungan bisnis Anda.

Kami terutama memprioritaskan pada pengurangan biaya bagi pelanggan, dan dengan melakukan tindakan ini, kami dapat mengurangi konsumsi bahan bakar. Kabin telah didesain ulang untuk meningkatkan lingkungan kerja dan kemampuan pengendalian operator sehingga diharapkan juga dapat meningkatkan produksi. Kami telah mengadopsi mesin yang sudah terbukti memiliki rekam jejak yang sangat andal, serta telah melakukan upaya lanjutan untuk menjadikan mesin lebih tangguh.

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# PRODUKSI LEBIH TINGGI DENGAN KONSUMSI BAHAN BAKAR LEBIH RENDAH

Sistem Hidraulis baru HIOS-V telah meningkatkan produktivitas dan mengurangi konsumsi bahan bakar sekaligus di setiap mode. Kinerja ZAXIS membantu pelanggan untuk meningkatkan keuntungan.



Catatan: Angka di atas hanya berlaku untuk kelas ZX490.

## Sistem hidraulis HIOS-V

Pengembangan sistem hidraulis ini didasarkan pada konsep sistem hidraulis yang sesuai dengan kebutuhan pengoperasian manusia.

- ✓ Kontrol hidraulis yang efisien menghasilkan pergerakan front attachment yang lebih lancar dan cepat.
- ✓ Kontrol pompa hidraulis yang disempurnakan menurut beban kerja mengurangi konsumsi bahan bakar serta mendukung pengurangan biaya.

## Mengurangi kerugian tekanan oli

Katup baru telah digunakan untuk mengurangi kerugian hidraulis dan lebih meningkatkan efisiensi hidraulis.

- ✓ Berkontribusi pada pengoperasian dengan konsumsi bahan bakar yang rendah

## Mesin berdaya tinggi

Daya terukur telah ditingkatkan dari mesin konvensional ZX470-5G yang berkontribusi terhadap volume pekerjaan yang lebih besar.

- ✓ Peningkatan beban kerja

|                                    | ZX470-5G     | ZX490-7G     |
|------------------------------------|--------------|--------------|
| Output terukur<br>(ISO 14396:2002) | <b>235kW</b> | <b>296kW</b> |

## Sistem pendukung operasi dengan efisiensi tinggi

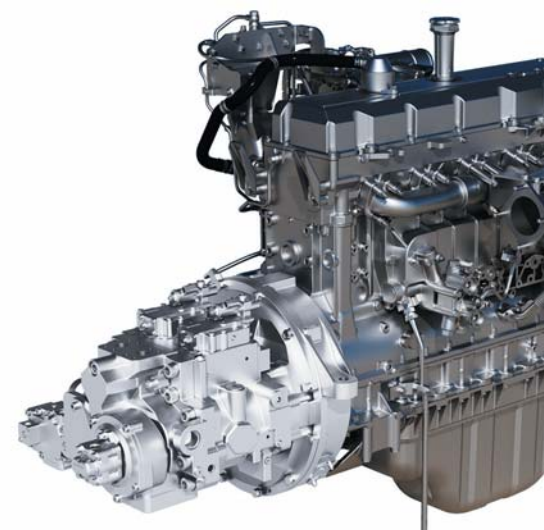
### Pengukur ECO

Konsumsi bahan bakar saat ini ditunjukkan menurut tampilan segmen, sehingga mendorong operator untuk meningkatkan efisiensi bahan bakar. Makin rendah konsumsi bahan bakar, makin tinggi segmennya. Mudah dilepas dan dibersihkan

### Panduan ECO

Mendorong operator untuk meningkatkan efisiensi bahan bakar. Pesan juga ditampilkan saat pengukur ECO ditampilkan.

- ✓ Mendorong operator untuk meningkatkan efisiensi



# PENINGKATAN KEMUDAHAN PENGOPERASIAN

Peningkatan fitur kemudahan dan keselamatan telah dilakukan dalam kabin Zaxis-7G guna memberikan kekuatan untuk kemudahan peningkatan produktivitas dan mengurangi tingkat kelelahan.



Pengoperasian menjadi mudah berkat kontrol dan sakelar yang didesain secara ergonomis.



Monitor berwarna 8 inci dengan pantulan rendah dan layar yang 42% lebih besar dibandingkan layar pada seri ZX-5G. Lebih mudah dilihat dan dinavigasi. Tersedia dua daya USB dan Bluetooth® opsional.



Tuas penghenti pilot dengan desain baru  
Tuas penghenti pilot yang baru didesain untuk mempermudah penguncian dan pembukaan kunci dengan dioperasikan oleh gerak pergelangan tangan.



SUDUT AERIAL  
Tersedia sistem kamera pandangan mata burung 270 derajat.

# KETAHANAN DAN KEANDALAN YANG TINGGI

Penyelesaian proyek dengan tepat waktu dan sesuai anggaran sangat mengandalkan kemampuan peralatan konstruksi untuk memberikan kinerja yang terbaik sepanjang hari dan setiap hari. Itulah alasan pemilik mesin konstruksi Hitachi memperoleh keuntungan dari beberapa generasi mesin yang andal dan tahan lama. Hitachi Construction Machinery selalu sadar akan pentingnya upaya peningkatan keandalan jangka panjang dalam pengembangan mesinnya. Keandalan jangka panjang yang tinggi tidak hanya menguntungkan dalam kinerja sehari-hari, tetapi juga dari aspek nilai jual kembali.

## Boom H

Las penetrasi sambungan lengkap telah diterapkan di area tempat pemusatan beban sehingga dapat lebih meningkatkan daya tahan dan keandalan.



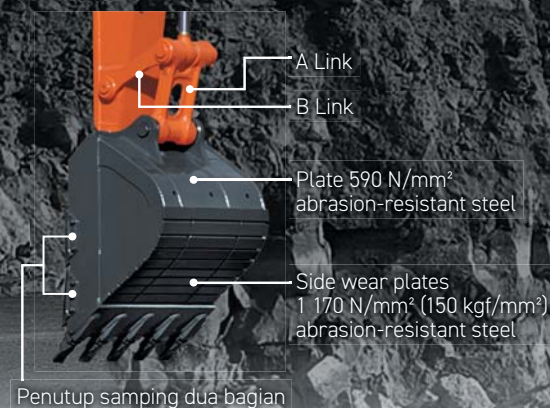
## ARM H

Forged boss digunakan pada batang lengan. Las penetrasi sambungan lengkap telah diterapkan di area tempat pemusatan beban sehingga dapat lebih meningkatkan daya tahan dan keandalan.



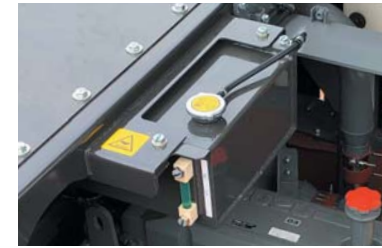
## Rock bucket (Opsional)

Rock bucket telah diterapkan dengan mempertimbangkan lokasi yang membutuhkan pekerjaan ekskavator yang lebih berat. Dilengkapi dengan pelat pengaman horizontal dan penutup samping dua bagian untuk peningkatan ketahanan.



## Dilengkapi dengan tangki Ekspansi

✓ Meningkatkan keandalan kinerja pendinginan mesin



## Mesin dengan peningkatan keandalan

Mesin ini adalah model sangat andal yang telah diterapkan sebelumnya. Dalam penerapan model mesin ini untuk ZX-7G, kami berusaha keras untuk makin meningkatkan daya tahan mesin dan meningkatkan masa guna Anda. EGR (Exhaust Gas Recirculation - Resirkulasi Gas Buang) dihilangkan dari mesin sehingga meningkatkan daya tahan mesin apabila menggunakan bahan bakar berkualitas rendah.



H-front attachment  
(Same as the standard model)

Jendela depan kaca lurus dilaminasi



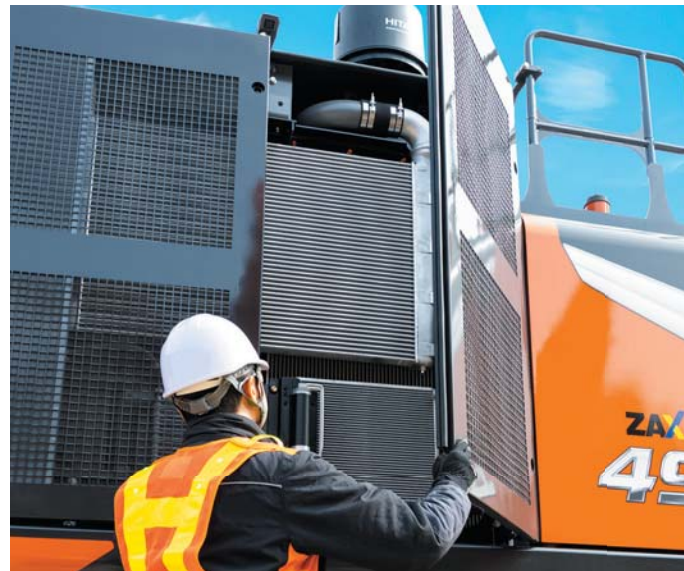
# KEMUDAHAN PEMELIHARAAN

Pemeliharaan rutin sangat penting agar mesin dapat mencapai kinerja tinggi. Ekskavator Hitachi didesain untuk kemudahan pemeliharaan rutin. Pemeliharaan yang sederhana dan mudah menjaga mesin tetap dalam kondisi prima dan berkinerja optimal.



## Kondensor penyejuk udara yang mudah diakses

- ✓ Penutupnya dapat dibuka tanpa membutuhkan alat sama sekali
- ✓ Kisi kisi Radiator/Pendingin Oli/Intercooler mudah dibersihkan dengan blower angin biasa



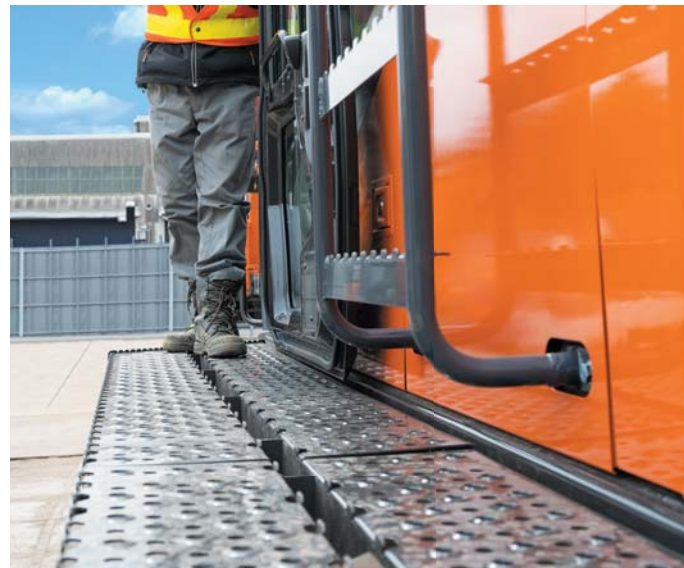
## Jaring anti debu pada penutup sisi kanan

- ✓ Terpasang pada penutup, di depan kisi kisi radiator
- ✓ Mudah dibersihkan dengan udara bertekanan



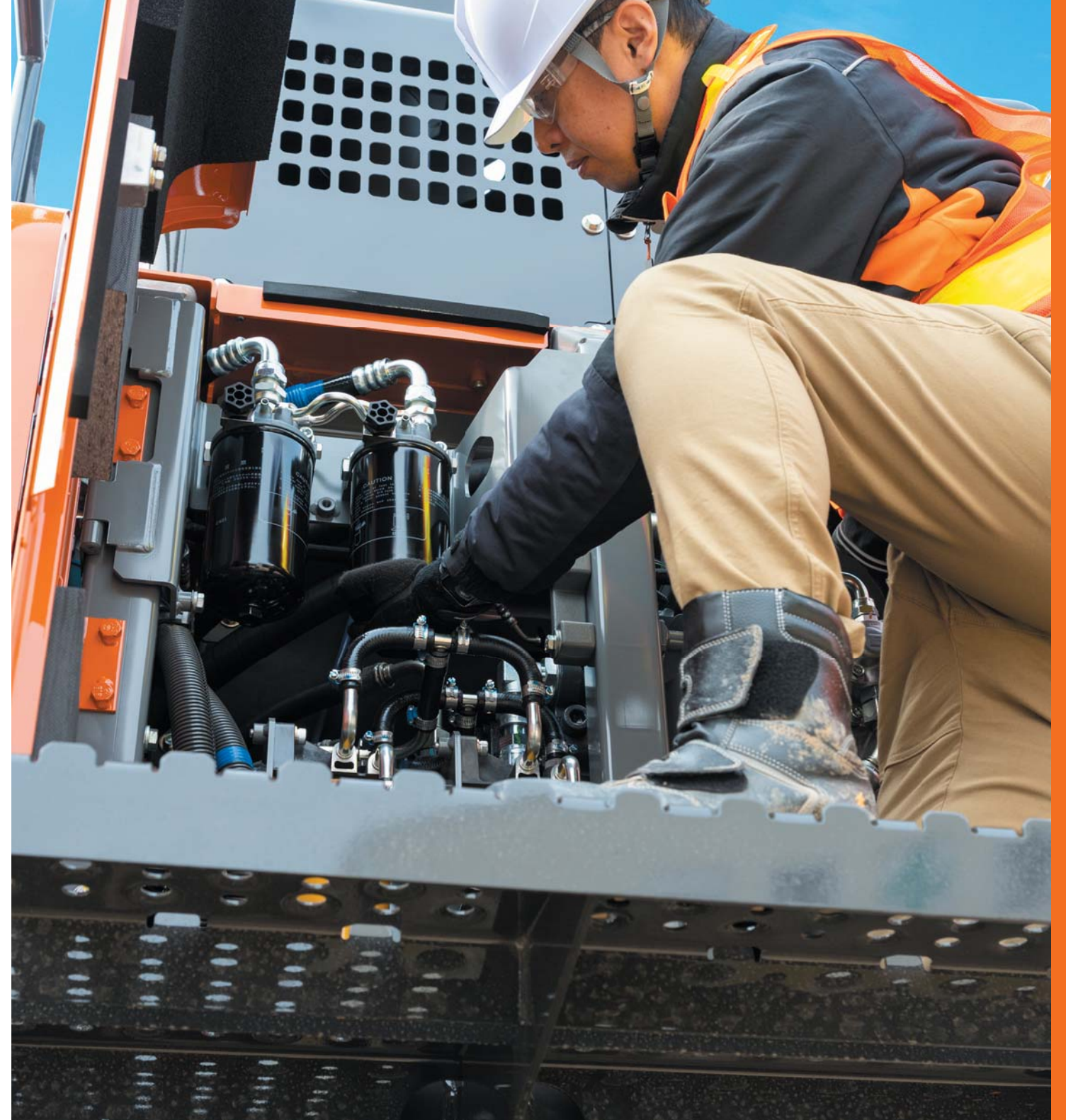
## Drainase oli mesin yang disederhanakan

- ✓ Pekerjaan pengurasan oli lebih mudah dilakukan dengan memasang selang nosel khusus.



## Jalur jalan samping

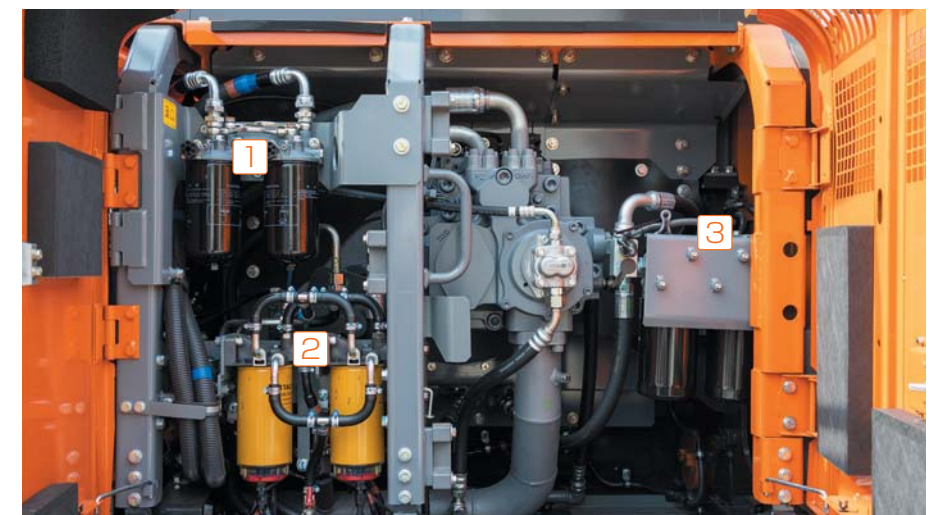
- ✓ Memudahkan pergerakan dari kabin ke ruang pompa atau platform



## Akses mudah ke filter

Lokasi filter terpusat di ruang pompa

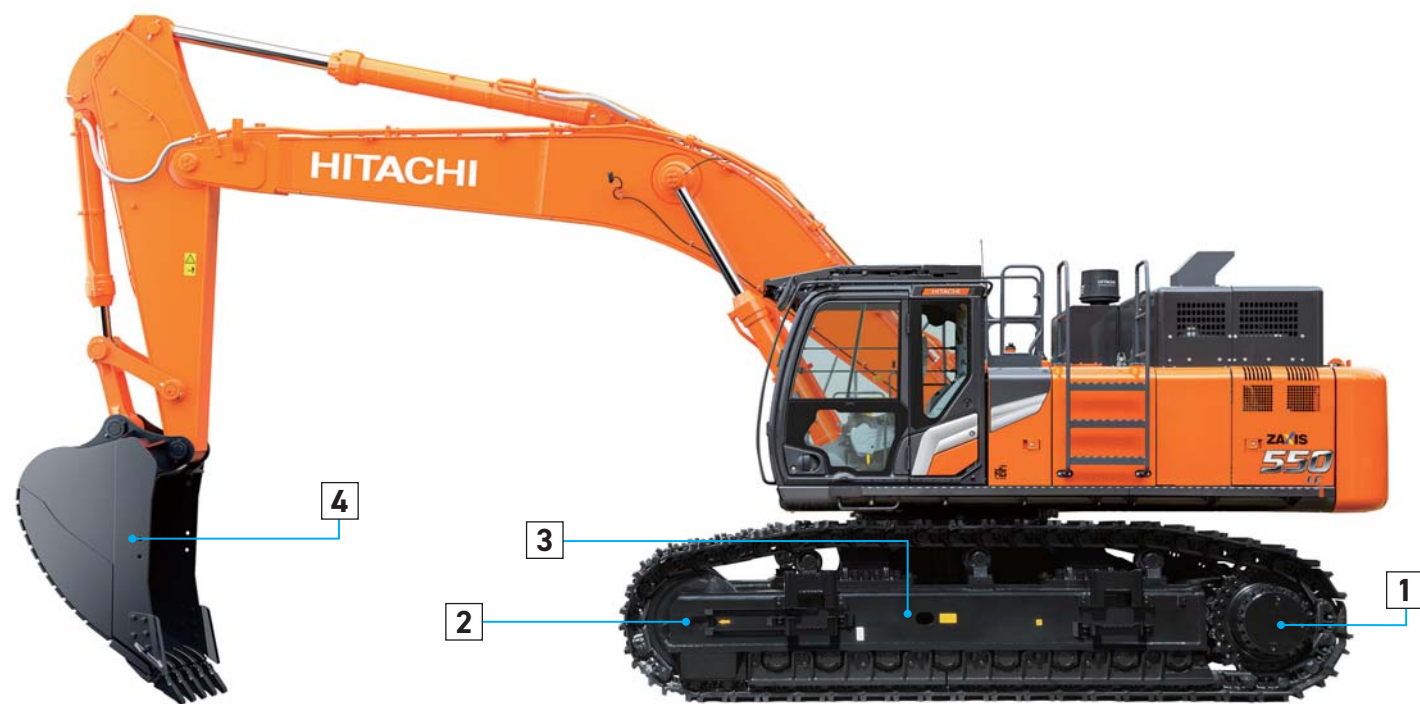
- 1 Filter utama bahan bakar
- 2 Pra-filter bahan bakar dengan pemisah air
- 3 Filter oli mesin



# KINERJA LEBIH PRIMA

## ZAXIS 550LC

ZAXIS550LC dirancang dengan struktur bagian atas dari kelas ZAXIS490 dan undercarriage dari kelas 60t sehingga menggabungkan kekuatan dan kestabilan untuk kinerja andal dalam kondisi yang ekstrem. Komponen tugas berat—seperti track roller, idler, dan sproket—membantu meningkatkan daya tahan di medan yang berat. Penguatan braket idler dengan penambahan elemen penguat (stiffener) membantu mencegah perubahan bentuk. Kompatibilitasnya dengan bucket backhoe besar berukuran 4,0 m<sup>3</sup> dapat meningkatkan efisiensi penanganan material, sehingga meningkatkan produktivitas dalam pekerjaan bervolume tinggi.



### 1 Travel motor dengan gaya traksi tinggi

Travel motor yang tangguh menghadirkan gaya traksi yang kuat, sehingga memastikan gerakan yang lancar dan kokoh pada medan yang menantang.

### 2 Penguatan braket idler

Direkayasa dengan struktur tipe boks yang kokoh dan penguatan ekstra, braket idler membantu menahan perubahan bentuk dan mempertahankan integritas struktural saat membawa beban berat.

### 3 Komponen undercarriage yang tahan lama

Mengandalkan komponen undercarriage yang sama seperti kelas 60 t—yang meliputi track roller, idler, dan sproket—ZAXIS550LC diciptakan agar mampu menghadapi kekakuan medan yang tidak rata dan tidak stabil.

### 4 Bucket backhoe kapasitas besar berukuran 4,0 m<sup>3</sup>

Kompatibel dengan bucket backhoe kapasitas besar berukuran 4,0 m<sup>3</sup>, ZAXIS550LC diciptakan untuk menangani material dalam volume besar, sehingga meningkatkan keseluruhan efisiensi operasional.

## SPECIFICATIONS

| ENGINE                 |                                                      |
|------------------------|------------------------------------------------------|
| Model                  | Isuzu 6WG1                                           |
| Type                   | 4-cycle water-cooled, common rail direct injection   |
| Aspiration             | Variable geometry turbocharged, intercooled          |
| No. of cylinders       | 6                                                    |
| Rated power            |                                                      |
| ISO 14396 : 2002 gross | 296 kW (397 HP) at 1 800 min <sup>-1</sup> (rpm)     |
| ISO 9249 : 2007 net    | 295 kW (396 HP) at 1 800 min <sup>-1</sup> (rpm)     |
| Maximum torque         | 1 932 Nm (197 kgfm) at 1 400 min <sup>-1</sup> (rpm) |
| Piston displacement    | 15.681 L                                             |
| Bore and stroke        | 147 mm x 154 mm                                      |
| Batteries              | 2 x 12 V                                             |

| HYDRAULIC SYSTEM      |                                             |        |              |
|-----------------------|---------------------------------------------|--------|--------------|
| Hydraulic Pumps       |                                             |        |              |
| Main pumps            | 2 variable displacement axial piston pumps  |        |              |
| Maximum oil flow      | 2 x 385 L/min                               |        |              |
| Pilot pump            | 1 gear pump                                 |        |              |
| Maximum oil flow      | 30 L/min                                    |        |              |
| Hydraulic Motors      |                                             |        |              |
| Travel                | 2 variable displacement axial piston motors |        |              |
| Swing                 | 2 axial piston motor                        |        |              |
| Relief Valve Settings |                                             |        |              |
| Implement circuit     | 31.9 MPa (325 kgf/cm <sup>2</sup> )         |        |              |
| Swing circuit         | 28.4 MPa (290 kgf/cm <sup>2</sup> )         |        |              |
| Travel circuit        | 35.3 MPa (360 kgf/cm <sup>2</sup> )         |        |              |
| Pilot circuit         | 3.9 MPa (40 kgf/cm <sup>2</sup> )           |        |              |
| Power boost           | 35.3 MPa (360 kgf/cm <sup>2</sup> )         |        |              |
| Hydraulic Cylinders   |                                             |        |              |
|                       | Quantity                                    | Bore   | Rod diameter |
| Boom                  | 2                                           | 170 mm | 115 mm       |
| Arm                   | 1                                           | 190 mm | 130 mm       |
| Bucket                | 1                                           | 170 mm | 120 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/hydraulicreleased disc type. |                             |
| Swing speed                                                                                                                                                   | 9.6 min <sup>-1</sup> (rpm) |
| Swing torque                                                                                                                                                  | 148 kNm (15 100 kgfm)       |

| UNDERCARRIAGE                                                                                                                                                                                              |                             |                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------|
| Tracks                                                                                                                                                                                                     |                             |                      |
| Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.                                                                                      |                             |                      |
| Numbers of Rollers and Shoes on Each Side                                                                                                                                                                  |                             |                      |
| Upper rollers                                                                                                                                                                                              | 2 : ZX490-7G                |                      |
|                                                                                                                                                                                                            | 3 : ZX550-7G                |                      |
| Lower rollers                                                                                                                                                                                              | 8 : ZX550LC-7G              |                      |
|                                                                                                                                                                                                            | 9 : ZX490LC-7G              |                      |
| Track shoes                                                                                                                                                                                                | 49 : ZX550LC-7G             |                      |
|                                                                                                                                                                                                            | 53 : ZX490LC-7G             |                      |
| Track guards                                                                                                                                                                                               | 2 : ZX490LC-7G / ZX550LC-7G |                      |
| Travel Device                                                                                                                                                                                              |                             |                      |
| Each track driven by axial piston motor through reduction gear for counterrotation of the tracks.<br>Parking brake is spring-set/hydraulic-released disc type.<br>Automatic transmission system: High-Low. |                             |                      |
| Travel speeds                                                                                                                                                                                              | ZX490-7G class              | High : 0 to 5.6 km/h |
|                                                                                                                                                                                                            |                             | Low : 0 to 3.8 km/h  |
|                                                                                                                                                                                                            | ZX550-7G class              | High : 0 to 4.3 km/h |
|                                                                                                                                                                                                            |                             | Low : 0 to 3.1 km/h  |
| Maximum traction force                                                                                                                                                                                     | ZX490-7G class              | 329 kN (33 600 kgf)  |
|                                                                                                                                                                                                            | ZX550-7G class              | 411kN (41 900 kgf)   |
| Gradeability                                                                                                                                                                                               | 70 % (35 degree) continuous |                      |

| SERVICE REFILL CAPACITIES |                         |
|---------------------------|-------------------------|
| Fuel tank                 | 675.0 L                 |
| Engine coolant            | 75.0 L                  |
| Engine oil                | 52.0 L                  |
| Swing device (each)       | 6.5 L                   |
| Travel device (each side) | ZX490-7G class : 11.0 L |
|                           | ZX550-7G class : 14.0 L |
| Hydraulic system          | 510.0 L                 |
| Hydraulic oil tank        | 290.0 L                 |

## SPECIFICATIONS

## WEIGHTS AND GROUND PRESSURE

## ZX490LC-7G

Equipped with 7.00 m H boom, 2.50 m BE Arm and 3.20 m<sup>3</sup> Bucket (ISO 7451 : 2007 heaped)

| Shoe grouser type | Shoe width | Operating weight | Ground pressure |         |
|-------------------|------------|------------------|-----------------|---------|
|                   | mm         | kg               | kPa             | kgf/cm² |
| Triple grouser    | 750        | 47 900           | 65              | 0.66    |

## ZX550LC-7G

Equipped with 7.00 m H boom, 2.50 m BE Arm and 4.00 m<sup>3</sup> Bucket (ISO 7451 : 2007 heaped)

| Shoe grouser type | Shoe width | Operating weight | Ground pressure |         |
|-------------------|------------|------------------|-----------------|---------|
|                   | mm         | kg               | kPa             | kgf/cm² |
| Triple grouser    | 900        | 54 700           | 64              | 0.66    |

## BUCKET AND ARM DIGGING FORCE

## ZX490LC-7G

| Boom length                           | 7.0 m H  |        |
|---------------------------------------|----------|--------|
| Arm length                            | 2.5 m BE |        |
|                                       | kN       | kgf    |
| Bucket digging force* ISO 6015 : 2006 | 285      | 29 100 |
| Arm crowd force* ISO 6015 : 2006      | 294      | 30 000 |

\* At power boost

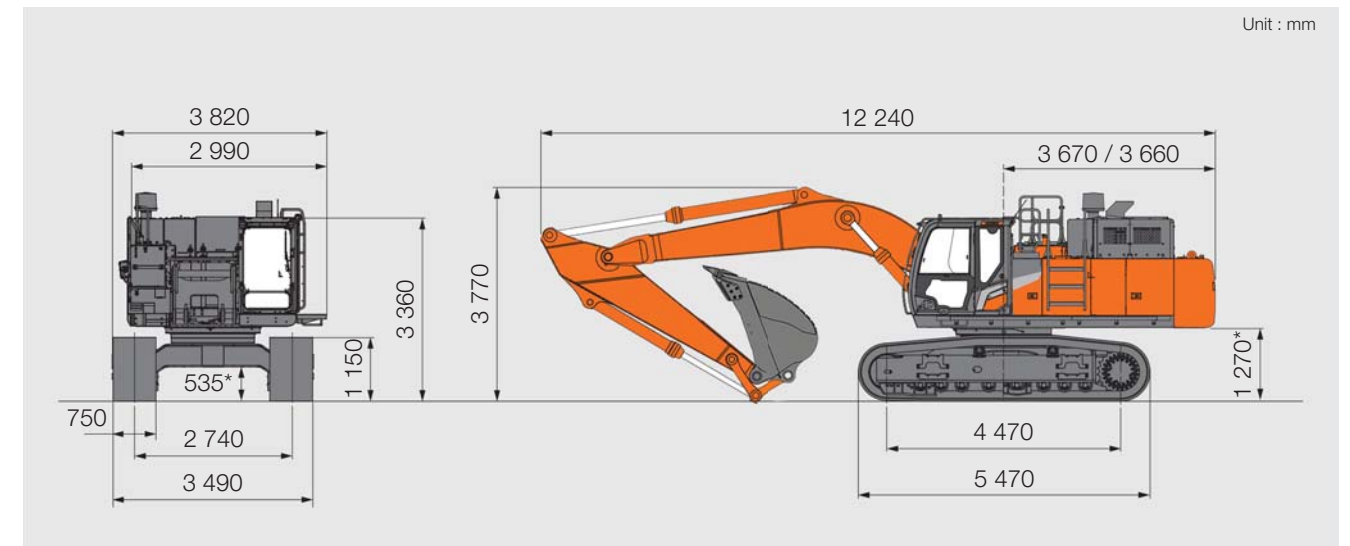
## ZX550LC-7G

| Boom length                           | 7.0 m H  |        |
|---------------------------------------|----------|--------|
| Arm length                            | 2.5 m BE |        |
|                                       | kN       | kgf    |
| Bucket digging force* ISO 6015 : 2006 | 259      | 26 410 |
| Arm crowd force* ISO 6015 : 2006      | 289      | 29 450 |

\* At power boost

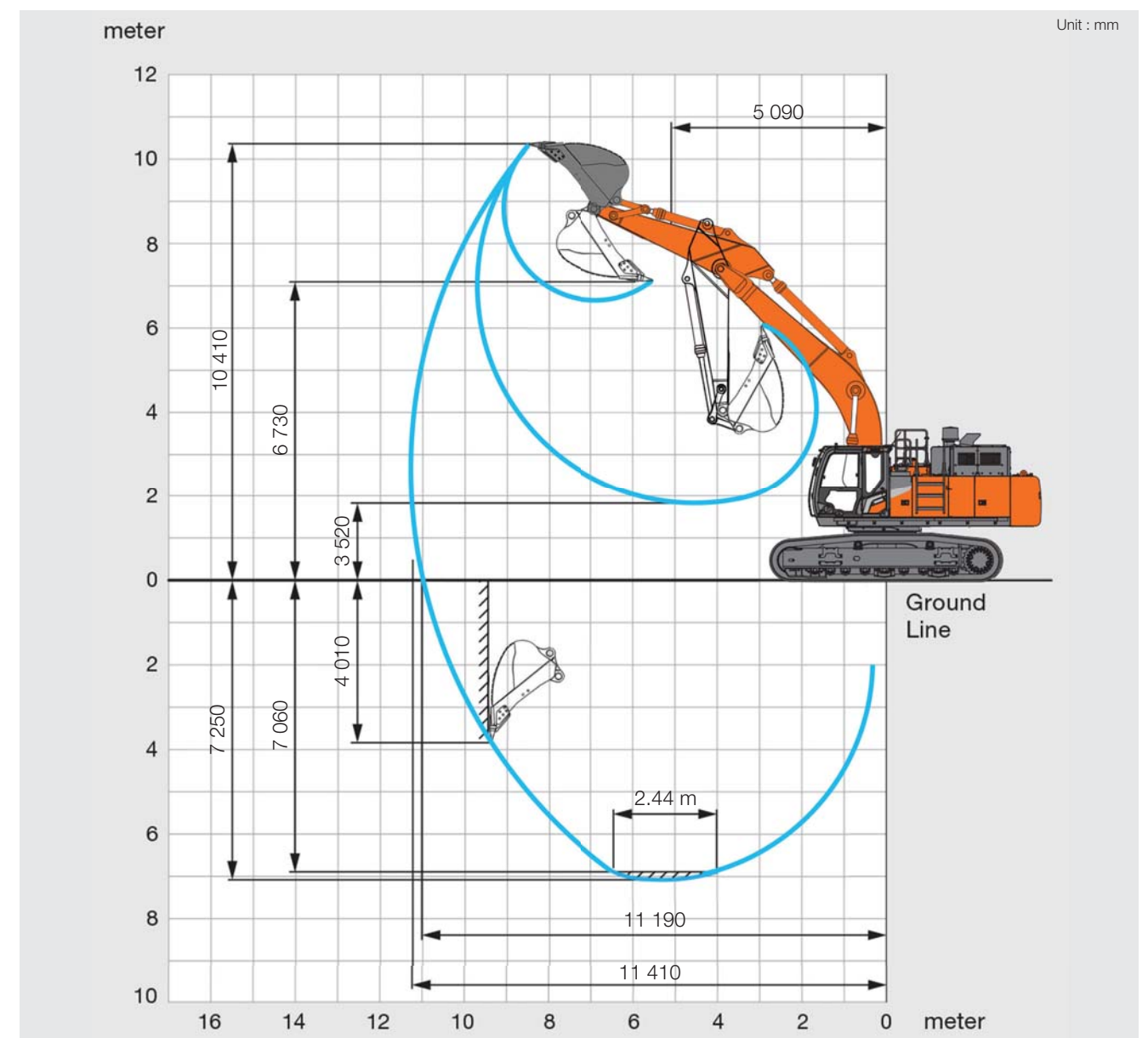
## ZX490LC-7G

## DIMENSIONS



\* Excluding track shoe lug

## WORKING RANGES

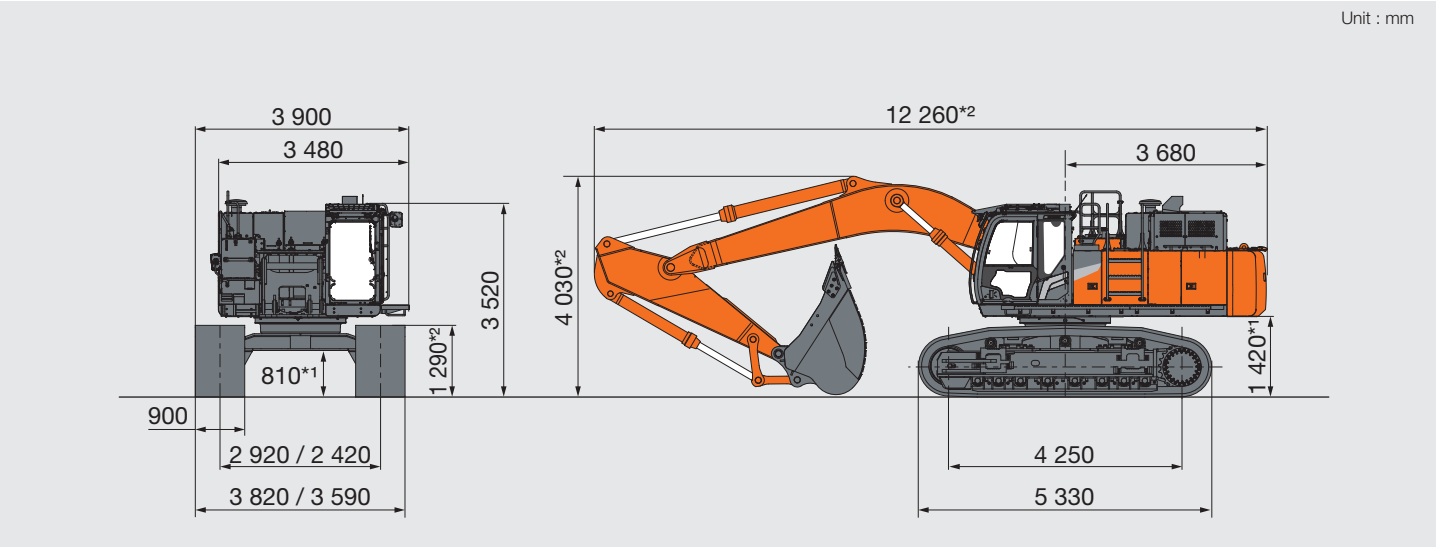


Excluding track shoe lug

SPECIFICATIONS

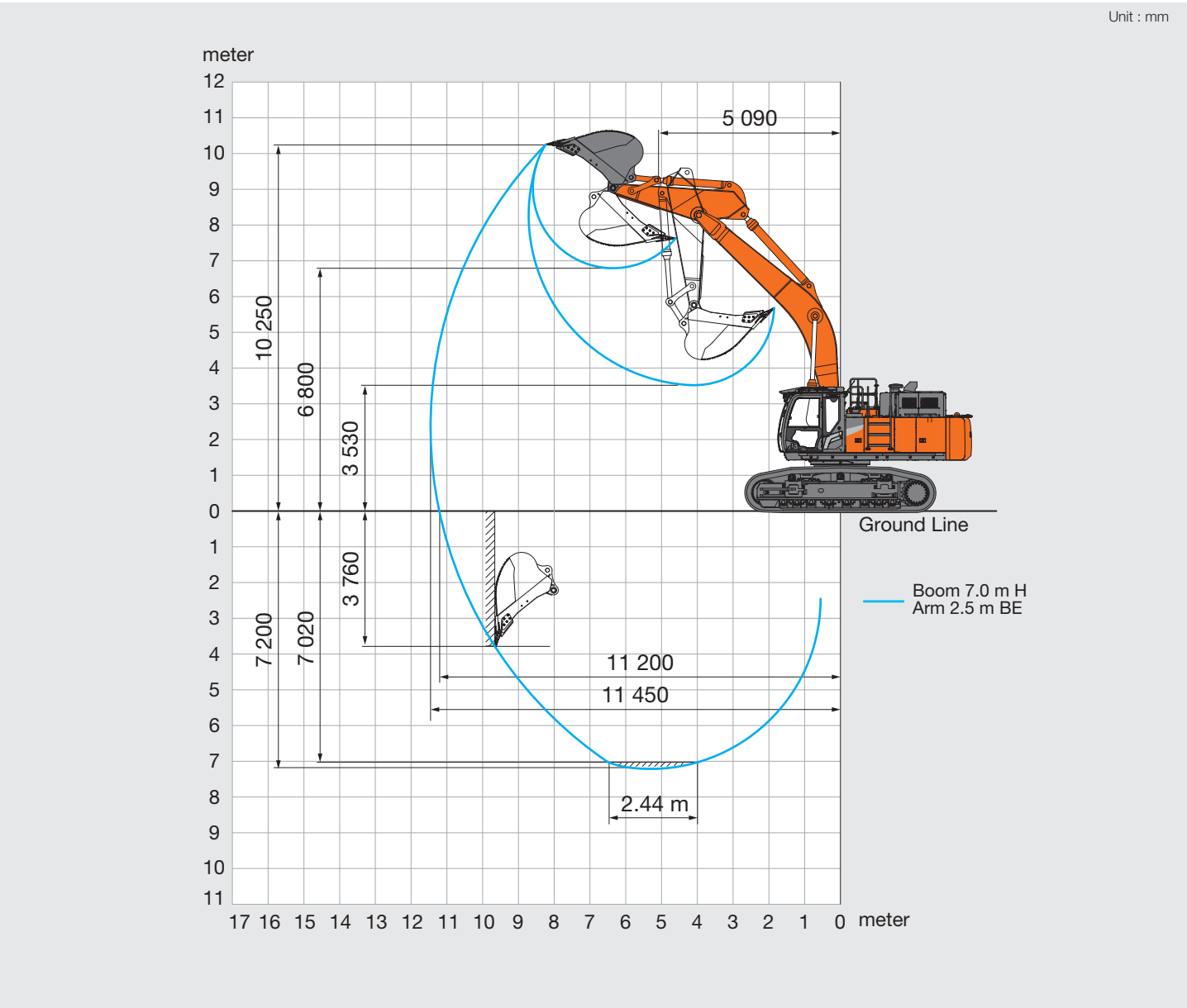
ZX550LC-7G

WORKING RANGES



\*1 Excluding track shoe lug  
\*2 with Boom 7.0 m and arm 2.5 m

WORKING RANGES



Excluding track shoe lug

BACKHOE ATTACHMENTS

ZX490LC-7G

| Bucket               | Capacity (m³)          | Width (mm)           |                   | No. of teeth | Weight (kg) | Boom 7.1 m H          |
|----------------------|------------------------|----------------------|-------------------|--------------|-------------|-----------------------|
|                      | ISO 7451 : 2007 heaped | Without side cutters | With side cutters |              |             | Arm 2.5 m BE          |
| Rock Bucket          | 3.0                    | 1 760                | 1 854             | 5            | 2 810       | ○                     |
| GP Bucket            | 3.2                    | 1 760                | 1 900             | 5            | 2 510       | ◎                     |
|                      | 3.4                    | 1 760                | 1 900             | 5            | 2 730       | ◎                     |
| Applicable shoe type |                        |                      |                   |              |             | 750 mm triple grouser |

○ Suitable for material with density of 2 000 kg/m³ or less  
◎ Suitable for material with density of 1 800 kg/m³ or less

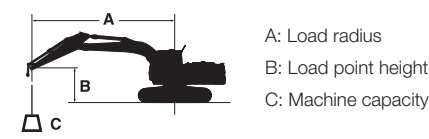
ZX550LC-7G

| Bucket               | Capacity (m³)          | Width (mm)           |                   | No. of teeth | Weight (kg) | Boom 7.1 m H          |
|----------------------|------------------------|----------------------|-------------------|--------------|-------------|-----------------------|
|                      | ISO 7451 : 2007 heaped | Without side cutters | With side cutters |              |             | Arm 2.5 m BE          |
| Rock Bucket          | 3.2                    | 1 830                | 1 920             | 5            | 2 930       | ◎                     |
| GP Bucket            | 3.8                    | 1 830                | 1 920             | 5            | 2 800       | ◆                     |
|                      | 4.0                    | 1 830                | 1 920             | 5            | 2 860       | ◆                     |
| Applicable shoe type |                        |                      |                   |              |             | 900 mm triple grouser |

◎ Suitable for material with density of 1 800 kg/m³ or less  
◆ Suitable for material with density of 1 400 kg/m³ or less

MACHINE CAPACITIES

- Notes:
- 1. Ratings are based on ISO 10567 : 2007.
  - 2. Machine 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.



For machine capacities, subtract installed attachment and quick hitch weight from machine capacities.  
To determine lifting capacities, apply "Rating over-side or 360 degrees" machine capacities from the table and deduct weight of installed attachment and quick hitch.  
Optional feature may affect machine performance.

ZX490LC-7G Rating over-front Rating over-side or 360 degrees Unit : kg

| Conditions                                                            | Load point height<br>m | Load radius                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     | At max. reach                                                                       |                                                                                     |       |
|-----------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|                                                                       |                        | 3.0 m                                                                             |                                                                                   | 4.5 m                                                                             |                                                                                   | 6.0 m                                                                             |                                                                                   | 7.5 m                                                                               |                                                                                     | 9.0 m                                                                               |                                                                                     |                                                                                     |                                                                                     |       |
|                                                                       |                        |  |  |  |  |  |  |  |  |  |  |  |  | meter |
| Boom 7.0 m H<br>Arm 2.5 m BE<br>Counterweight 9 080 kg<br>Shoe 750 mm | 7.5                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |       |
|                                                                       | 6.0                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 14 836                                                                            | 14 479                                                                            | 12 975                                                                              | 10 203                                                                              |                                                                                     |                                                                                     | 12 335                                                                              | 8 336                                                                               | 8.4   |
|                                                                       | 4.5                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 16 700                                                                            | 13 550                                                                            | 13 818                                                                              | 9 774                                                                               |                                                                                     |                                                                                     | 12 280                                                                              | 7 369                                                                               | 8.9   |
|                                                                       | 3.0                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 18 519                                                                            | 12 643                                                                            | 14 741                                                                              | 9 306                                                                               | 12 249                                                                              | 7 145                                                                               | 11 773                                                                              | 6 871                                                                               | 9.2   |
|                                                                       | 1.5                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 19 567                                                                            | 12 036                                                                            | 15 396                                                                              | 8 930                                                                               | 12 038                                                                              | 6 955                                                                               | 11 603                                                                              | 6 714                                                                               | 9.2   |
|                                                                       | 0 (Ground)             |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 19 589                                                                            | 11 772                                                                            | 15 506                                                                              | 8 714                                                                               |                                                                                     |                                                                                     | 11 979                                                                              | 6 886                                                                               | 8.9   |
|                                                                       | -1.5                   |                                                                                   |                                                                                   | 23 244                                                                            | 18 182                                                                            | 18 632                                                                            | 11 764                                                                            | 14 840                                                                              | 8 683                                                                               |                                                                                     |                                                                                     | 12 752                                                                              | 7 471                                                                               | 8.4   |
|                                                                       | -3.0                   | 22 839                                                                            | 22 839                                                                            | 20 350                                                                            | 18 519                                                                            | 16 532                                                                            | 11 976                                                                            | 12 824                                                                              | 8 888                                                                               |                                                                                     |                                                                                     | 12 594                                                                              | 8 771                                                                               | 7.5   |
|                                                                       | -4.5                   |                                                                                   |                                                                                   | 15 548                                                                            | 15 548                                                                            | 12 305                                                                            | 12 305                                                                            |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 11 600                                                                              | 11 600                                                                              | 6.2   |

ZX550LC-7G Rating over-front Rating over-side or 360 degrees Unit : kg

| Conditions                                                            | Load point height<br>m | Load radius                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | At max. reach                                                                       |                                                                                     |       |
|-----------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|                                                                       |                        | 3.0 m                                                                               |                                                                                     | 4.5 m                                                                               |                                                                                     | 6.0 m                                                                               |                                                                                     | 7.5 m                                                                               |                                                                                     | 9.0 m                                                                               |                                                                                     |                                                                                     |                                                                                     |       |
|                                                                       |                        |  |  |  |  |  |  |  |  |  |  |  |  | meter |
| Boom 7.0 m H<br>Arm 2.5 m BE<br>Counterweight 9 780 kg<br>Shoe 900 mm | 7.5                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *12 840                                                                             | 12 800                                                                              |                                                                                     |                                                                                     | *12 810                                                                             | 12 330                                                                              | 7.7   |
|                                                                       | 6.0                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *15 140                                                                             | *15 140                                                                             | *13 230                                                                             | 12 580                                                                              |                                                                                     |                                                                                     | *12 560                                                                             | 10 320                                                                              | 8.5   |
|                                                                       | 4.5                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *17 090                                                                             | 16 810                                                                              | *14 120                                                                             | 12 170                                                                              | *12 530                                                                             | 9 270                                                                               | *12 530                                                                             | 9 260                                                                               | 9.0   |
|                                                                       | 3.0                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *18 950                                                                             | 15 970                                                                              | *15 070                                                                             | 11 730                                                                              | *12 880                                                                             | 9 070                                                                               | 12 530                                                                              | 8 730                                                                               | 9.2   |
|                                                                       | 1.5                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *20 000                                                                             | 15 410                                                                              | *15 740                                                                             | 11 390                                                                              | 12 840                                                                              | 8 900                                                                               | 12 400                                                                              | 8 610                                                                               | 9.2   |
|                                                                       | 0 (Ground)             |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *19 990                                                                             | 15 180                                                                              | *15 840                                                                             | 11 190                                                                              |                                                                                     |                                                                                     | 12 840                                                                              | 8 870                                                                               | 9.0   |
|                                                                       | -1.5                   |                                                                                     |                                                                                     | *23 680                                                                             | 23 600                                                                              | *18 990                                                                             | 15 180                                                                              | *15 130                                                                             | 11 170                                                                              |                                                                                     |                                                                                     | *13 060                                                                             | 9 650                                                                               | 8.4   |
|                                                                       | -3.0                   | *23 380                                                                             | *23 380                                                                             | *20 700                                                                             | *20 700                                                                             | *16 800                                                                             | 15 390                                                                              | *12 990                                                                             | 11 380                                                                              |                                                                                     |                                                                                     | *12 900                                                                             | 11 320                                                                              | 7.5   |
|                                                                       | -4.5                   |                                                                                     |                                                                                     | *15 720                                                                             | *15 720                                                                             | *12 360                                                                             | *12 360                                                                             |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *11 860                                                                             | *11 860                                                                             | 6.2   |

| ENGINE                                                                           | ZX490LC-7G |
|----------------------------------------------------------------------------------|------------|
| Alternator 60 A                                                                  | ●          |
| Auto idle system                                                                 | ●          |
| Auto shut-down control                                                           | ●          |
| Cartridge-type engine oil filter                                                 | ●          |
| Cartridge-type fuel main filter                                                  | ●          |
| Cartridge-type fuel pre-filter with water separator                              | ●          |
| ConSite OIL (sensor) *                                                           | ●          |
| Dry-type air filter with evacuator valve (with air filter restriction indicator) | ●          |
| Dust-proof net                                                                   | ●          |
| ECO/PWR/HP mode control                                                          | ●          |
| Electrical fuel feed pump                                                        | ●          |
| Engine oil drain coupler                                                         | ●          |
| Expansion tank                                                                   | ●          |
| Fan guard                                                                        | ●          |
| Isolation-mounted engine                                                         | ●          |
| Pre-cleaner                                                                      | ○          |
| Radiator, oil cooler and intercooler                                             | ●          |
| Reversible fan                                                                   | ○          |

| HYDRAULIC SYSTEM                     | ZX490LC-7G |
|--------------------------------------|------------|
| Accessories for breaker              | ○          |
| Accessories for breaker & crusher    | ○          |
| Accessories for 2 speed selector     | ○          |
| Auto power lift                      | ●          |
| Boom mode selector system            | ●          |
| ConSite OIL (sensor) *               | ●          |
| Control valve with main relief valve | ●          |
| High mesh full flow filter           | ●          |
| Drain filter                         | ●          |
| Engine speed sensing system          | ●          |
| Extra port for control valve         | ●          |
| Hose rupture valve for arm           | ○          |
| Hose rupture valve for boom          | ○          |
| Pilot filter                         | ●          |
| Power boost                          | ●          |
| Shockless valve in pilot circuit     | ●          |
| Suction filter                       | ●          |
| Two extra port for control valve     | ●          |
| Work mode selector                   | ●          |

| CAB                                                                              | ZX490LC-7G |
|----------------------------------------------------------------------------------|------------|
| All-weather sound suppressed steel cab                                           | ●          |
| Auto control air conditioner                                                     | ●          |
| Bluetooth® integrated radio                                                      | ●          |
| Console height adjustment                                                        | ●          |
| CRES VII (center pillar reinforced structure) cab                                | ●          |
| Drink holder with hot and cool function                                          | ●          |
| Electric double horn                                                             | ●          |
| Engine shut-off switch                                                           | ●          |
| Evacuation hammer                                                                | ●          |
| Fire extinguisher bracket                                                        | ○          |
| Floor mat                                                                        | ●          |
| Footrest                                                                         | ●          |
| Front window washer (1 point)                                                    | ●          |
| Glove compartment                                                                | ●          |
| Hands-free calling device                                                        | ○          |
| Hot and cool box                                                                 | ●          |
| Intermittent windshield wipers                                                   | ●          |
| Key cylinder light                                                               | ●          |
| Laminated round glass front window                                               | ●          |
| Laminated straight glass front window                                            | –          |
| LED room light                                                                   | ●          |
| Magazine rack                                                                    | ●          |
| OPG front guard Level II (ISO10262 : 1998) compliant                             | –          |
| OPG top guard Level II (ISO10262 : 1998) compliant                               | –          |
| Pilot shut-off lever                                                             | ●          |
| Power outlet 12V                                                                 | ○          |
| Power outlet 24V                                                                 | ●          |
| Rain guard (without OPG front guard)                                             | ○          |
| Rear tray                                                                        | ●          |
| Retractable seat belt                                                            | ●          |
| ROPS (ISO12117-2 : 2008) compliant cab                                           | ●          |
| Rubber radio antenna                                                             | ●          |
| Seat : air suspension seat with heater                                           | ○          |
| Seat : mechanical suspension seat                                                | ●          |
| Seat adjustment part : backrest, armrest, height and angle, slide forward / back | ●          |
| Seat belt reminder                                                               | ●          |
| Short wrist control levers                                                       | ●          |
| Smartphone holder                                                                | ●          |
| Sunscreen roller type (multi-use front or side and rear window)                  | ○          |
| Transparent roof with slide curtain                                              | ●          |
| USB power supply                                                                 | ○          |
| Windows on leftside can be opened                                                | ●          |
| 2 speakers                                                                       | ●          |
| 6 fluid-filled elastic mounts                                                    | ●          |
| 8 inch monitor                                                                   | ●          |

| MONITOR SYSTEM                                                                                                                                                        | ZX490LC-7G |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, etc | ●          |
| Alarm buzzers: overheat, engine oil pressure, overload, trouble, etc                                                                                                  | ●          |
| Display of meters: water temperature, hour, fuel rate, clock, etc                                                                                                     | ●          |
| Other displays: work mode, auto-idle, glow, rear view monitor, operating conditions, etc                                                                              | ●          |
| 35 languages selection                                                                                                                                                | ●          |

| LIGHTS                                            | ZX490LC-7G |
|---------------------------------------------------|------------|
| Additional boom LED light with cover              | ○          |
| Additional cab roof front 2 LED lights            | ○          |
| Additional cab roof front 4 LED lights            | ○          |
| Additional cab roof rear 1 LED light              | ○          |
| LED lights for camera (side and rear view camera) | ○          |
| Rotating lamp                                     | ○          |
| 1 working LED light                               | ●          |

| UPPER STRUCTURE                                        | ZX490LC-7G |
|--------------------------------------------------------|------------|
| AERIAL ANGLE (side and rear view camera)               | ●          |
| Auto-grease lubricator (without bucket and link pins)  | ●          |
| Batteries                                              | ●          |
| Body top handrail                                      | ●          |
| Counterweight 9 080 kg                                 | ●          |
| Electric fuel refilling pump with auto stop and filter | ○          |
| Electrical grease pump with hose-reel                  | ○          |
| Fuel level float                                       | ●          |
| Hydraulic oil level gauge                              | ●          |
| Ladder                                                 | ○          |
| Lockable fuel refilling cap                            | ●          |
| Lockable machine covers                                | ●          |
| Lockable tool box                                      | ●          |
| Platform handrail                                      | ●          |
| Right side and rear view camera                        | ●          |
| Sidewalk (cab side)                                    | ●          |
| Skid-resistant plates and handrails                    | ●          |
| Swing parking brake                                    | ●          |
| Undercover                                             | ●          |
| Utility space                                          | ●          |
| 2 way disconnect switch                                | ●          |

● : Standard equipment   ○ : Optional equipment   – : Not applicable

| UNDERCARRIAGE                                           | ZX490LC-7G |
|---------------------------------------------------------|------------|
| Bolt-on sprocket                                        | ●          |
| Full track guard                                        | –          |
| Idler                                                   | ●          |
| Lower rollers (single flange)                           | ●          |
| Lower rollers (double flange)                           | –          |
| Reinforced Idler                                        | –          |
| Reinforced track links with pin seals                   | ●          |
| Shoe: 600 mm double grouser                             | ○          |
| Shoe: 600 mm triple grouser                             | ○          |
| Shoe: 750 mm triple grouser                             | ●          |
| Track undercover                                        | ○          |
| Travel direction mark on track frame                    | ●          |
| Travel motor covers                                     | ●          |
| Travel parking brake                                    | ●          |
| Upper rollers                                           | ●          |
| 2 track guards (each side) and hydraulic track adjuster | ●          |
| 4 tie down hooks                                        | ●          |

| FRONT ATTACHMENTS                       | ZX490LC-7G |
|-----------------------------------------|------------|
| Arm 2.5 m BE                            | ●          |
| Boom 7.0 m H                            | ●          |
| Bucket 3.0 m³ Rock (ISO heaped)         | ○          |
| Bucket 3.2 m³ (ISO heaped)              | ○          |
| Bucket 3.4 m³ (ISO heaped)              | ●          |
| Centralized lubrication system          | ●          |
| Damage prevention plate and square bars | ●          |
| Dirt seal on all bucket pins            | ●          |
| Flanged pin                             | ●          |
| Reinforced welded link A                | –          |
| Reinforced link B                       | –          |

| ATTACHMENTS                      | ZX490LC-7G |
|----------------------------------|------------|
| Accessories for 2 speed selector | ○          |
| Breaker and crusher piping       | ○          |
| Pilot accumulator                | ●          |

| MISCELLANEOUS                  | ZX490LC-7G |
|--------------------------------|------------|
| ConSite                        | ●          |
| Global e-Service               | ●          |
| Onboard information controller | ●          |
| Standard tool kit              | ●          |
| Theft prevention system**      | ○          |

Standard and optional equipment may vary by country, so please consult authorized dealer for details.

\* Engine oil and hydraulic oil monitoring sensor.

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

| ENGINE                                                                           | ZX550LC-7G |
|----------------------------------------------------------------------------------|------------|
| Alternator 60 A                                                                  | ●          |
| Auto idle system                                                                 | ●          |
| Auto shut-down control                                                           | ●          |
| Cartridge-type engine oil filter                                                 | ●          |
| Cartridge-type fuel main filter                                                  | ●          |
| Cartridge-type fuel pre-filter                                                   | ●          |
| with water separator                                                             | ●          |
| ConSite OIL (sensor) *1                                                          | ●          |
| Dry-type air filter with evacuator valve (with air filter restriction indicator) | ●          |
| Dust-proof net                                                                   | ●          |
| ECO / PWR / HP mode control                                                      | ●          |
| Electrical fuel feed pump                                                        | ●          |
| Engine oil drain coupler                                                         | ●          |
| Expansion tank                                                                   | ●          |
| Fan guard                                                                        | ●          |
| Isolation-mounted engine                                                         | ●          |
| Pre-cleaner                                                                      | ○          |
| Radiator, oil cooler and intercooler                                             | ●          |
| Reversible fan                                                                   | ○          |

| HYDRAULIC SYSTEM                     | ZX550LC-7G |
|--------------------------------------|------------|
| Auto power lift                      | ●          |
| Boom mode selector system            | ●          |
| ConSite OIL (sensor) *1              | ●          |
| Control valve with main relief valve | ●          |
| High mesh full flow filter           | ●          |
| Drain filter                         | ●          |
| Engine speed sensing system          | ●          |
| Extra port for control valve         | ●          |
| Hose rupture valve for arm           | ○          |
| Hose rupture valve for boom          | ○          |
| Pilot filter                         | ●          |
| Power boost                          | ●          |
| Shockless valve in pilot circuit     | ●          |
| Suction filter                       | ●          |
| Two extra port for control valve     | ●          |
| Work mode selector                   | ●          |

| CAB                                                                             | ZX550LC-7G |
|---------------------------------------------------------------------------------|------------|
| Auto control air conditioner                                                    | ●          |
| Bluetooth® integrated radio                                                     | ●          |
| Cab : All-weather sound suppressed steel cab                                    | ●          |
| Cab : CRES VII (center pillar reinforced structure) cab                         | ●          |
| Console height adjustment                                                       | ●          |
| Drink holder with hot and cool function                                         | ●          |
| Electric double horn                                                            | ●          |
| Engine shut-off switch                                                          | ●          |
| Evacuation hammer                                                               | ●          |
| Fire extinguisher bracket                                                       | ○          |
| Floor mat                                                                       | ●          |
| Footrest                                                                        | ●          |
| Front guard : OPG front guard Level II (ISO10262 : 1998) compliant              | ○          |
| Front window washer (1 point)                                                   | ●          |
| Glove compartment                                                               | ●          |
| Hands-free calling device                                                       | ●          |
| Hot and cool box                                                                | ●          |
| Intermittent windshield wipers                                                  | ●          |
| Key cylinder light                                                              | ●          |
| Laminated straight glass front window                                           | ○          |
| LED room light                                                                  | ●          |
| Magazine rack                                                                   | ●          |
| Pilot shut-off lever                                                            | ●          |
| Power outlet 12V                                                                | ○          |
| Power outlet 24V                                                                | ●          |
| Rain guard (without OPG front guard)                                            | ○          |
| Rear tray                                                                       | ●          |
| Retractable seat belt                                                           | ●          |
| Round tempered glass front window                                               | ●          |
| Rubber radio antenna                                                            | ●          |
| Seat : air suspension seat with heater                                          | ○          |
| Seat : mechanical suspension seat                                               | ●          |
| Seat adjustment part :backrest, armrest, height and angle, slide forward / back | ●          |
| Seat belt reminder                                                              | ●          |
| Short wrist control levers                                                      | ●          |
| Smartphone holder                                                               | ●          |
| Sunscreen roller type (multi-use front or side and rear window)                 | ○          |
| Top guard : OPG top guard Level II (ISO10262 : 1998) compliant                  | ○          |
| Transparent roof with slide curtain                                             | ●          |
| USB power supply                                                                | ●          |
| Windows on leftside can be opened                                               | ●          |
| 2 speakers                                                                      | ●          |
| 6 fluid-filled elastic mounts                                                   | ●          |
| 8 inch monitor                                                                  | ●          |

| MONITOR SYSTEM                                                                                                                                                        | ZX550LC-7G |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, hydraulic filter restriction, air filter restriction, work mode, overload, etc | ●          |
| Alarm buzzers: overheat, engine oil pressure, overload, trouble, etc                                                                                                  | ●          |
| Display of meters: water temperature, hour, fuel rate, clock, etc                                                                                                     | ●          |
| Other displays: work mode, auto-idle, glow, rear view monitor, operating conditions, etc                                                                              | ●          |
| 35 languages selection                                                                                                                                                | ●          |

| LIGHTS                                            | ZX550LC-7G |
|---------------------------------------------------|------------|
| Additional boom LED light with cover              | ○          |
| Additional cab roof front 2 LED lights            | ○          |
| Additional cab roof front 4 LED lights            | ○          |
| Additional cab roof rear 1 LED light              | ○          |
| LED lights for camera (side and rear view camera) | ○          |
| Rotating lamp                                     | ○          |
| 1 working LED light                               | ●          |

| UPPER STRUCTURE                                        | ZX550LC-7G |
|--------------------------------------------------------|------------|
| AERIAL ANGLE (270-degree view camera system)           | ●          |
| Auto-grease lubricator (without bucket and link pins)  | ○          |
| Batteries                                              | ●          |
| Body top handrail                                      | ●          |
| Counterweight 9 780 kg                                 | ●          |
| Electric fuel refilling pump with auto stop and filter | ○          |
| Electrical grease pump with hose-reel                  | ○          |
| Fuel level float                                       | ●          |
| Hydraulic oil level gauge                              | ●          |
| Ladder                                                 | ○          |
| Lockable fuel refilling cap                            | ●          |
| Lockable machine covers                                | ●          |
| Lockable tool box                                      | ●          |
| Platform handrail                                      | ●          |
| Right side and rear view camera                        | ●          |
| Sidewalk (cab side)                                    | ○          |
| Skid-resistant plates and handrails                    | ●          |
| Swing parking brake                                    | ●          |
| Undercover                                             | ●          |
| Utility space                                          | ●          |
| 2 way disconnect switch                                | ●          |

● : Standard equipment   ○ : Optional equipment   – : Not applicable

| UNDERCARRIAGE                                           | ZX550LC-7G |
|---------------------------------------------------------|------------|
| Bolt-on sprocket                                        | ●          |
| Full track guard                                        | ○          |
| Idler                                                   | ●          |
| Lower rollers (single flange)                           | ●          |
| Reinforced track links with pin seals                   | ●          |
| Shoe: 900 mm triple grouser                             | ●          |
| Track undercover                                        | ○          |
| Travel direction mark on track frame                    | ●          |
| Travel motor covers                                     | ●          |
| Travel parking brake                                    | ●          |
| Upper rollers                                           | ●          |
| 2 track guards (each side) and hydraulic track adjuster | ●          |
| 4 tie down hooks                                        | ●          |

| FRONT ATTACHMENTS                       | ZX550LC-7G |
|-----------------------------------------|------------|
| Arm 2.5 m BE                            | ●          |
| Boom 7.0 m H                            | ●          |
| Bucket 3.8 m3 (ISO 7451: 2007 heaped)   | ○          |
| Bucket 4.0 m3 (ISO 7451: 2007 heaped)   | ●          |
| Centralized lubrication system          | ●          |
| Damage prevention plate and square bars | ●          |
| Dirt seal on all bucket pins            | ●          |
| Flanged pin                             | ●          |
| Link A                                  | ●          |
| Link B                                  | ●          |
| Reinforced welded link A                | ○          |
| Reinforced link B                       | ○          |

| ATTACHMENTS                       | ZX550LC-7G |
|-----------------------------------|------------|
| Accessories for breaker           | ○          |
| Accessories for breaker & crusher | ○          |
| Accessories for 2 speed selector  | ○          |
| Breaker and crusher piping        | ○          |
| Pilot accumulator                 | ●          |

| MISCELLANEOUS                  | ZX550LC-7G |
|--------------------------------|------------|
| ConSite                        | ●          |
| Global e-Service               | ●          |
| Onboard information controller | ●          |
| Standard tool kit              | ●          |
| Theft prevention system*2      | ○          |

Standard and optional equipment may vary by country, so please consult authorized dealer for details.

\*1 Engine oil and hydraulic oil monitoring sensor.

\*2 Hitachi Construction Machinery cannot be held liable for theft, any system will just minimize the risk of theft.

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Before using a machine with a satellite or tele-communication system, please make sure that the satellite or tele-communication system complies with local regulations, safety standards and legal requirements. If not so, please make modifications accordingly.

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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 using, please read and understand the Operator's Manual for proper operation.