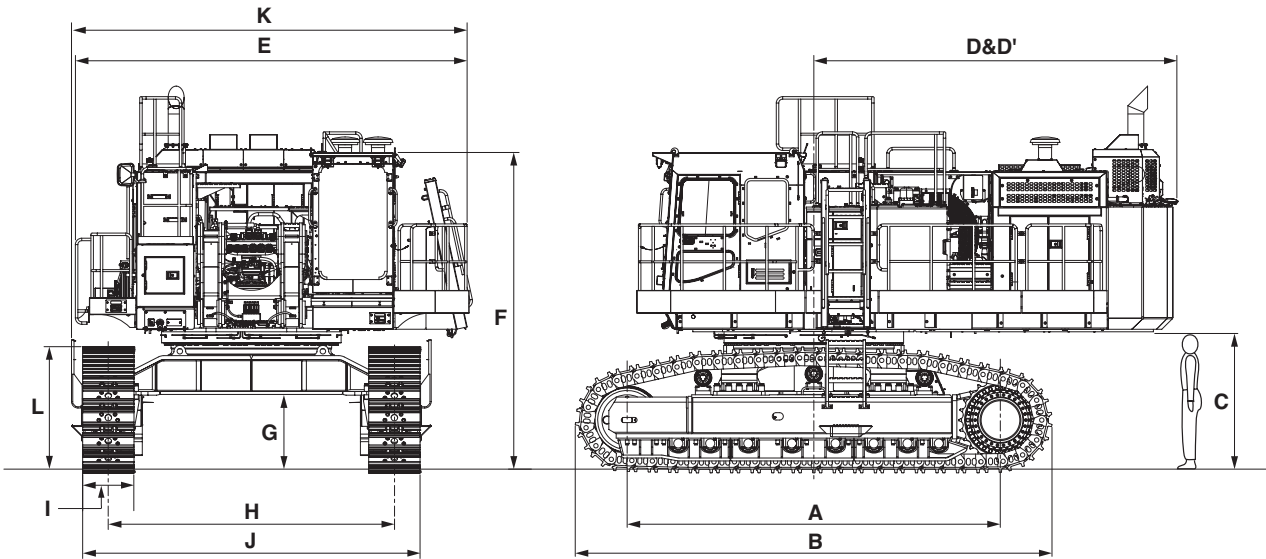


EX1200

SPECIFICATIONS



Illustrations show Tier 4 Final type.

|    |                                 |                |          |
|----|---------------------------------|----------------|----------|
| A  | Distance between tumbles        | 5 090 mm       |          |
| B  | Undercarriage length            | 6 500 mm       |          |
| C  | Counterweight clearance         | 1 820 mm       |          |
| D  | Rear-end swing radius           | 4 900 mm       |          |
| D' | Rear-end length                 | 4 900 mm       |          |
| E  | Overall width of upperstructure | 5 410 mm       |          |
| F  | Overall height of cab           | Backhoe        | 4 350 mm |
|    |                                 | Loading shovel | 5 440 mm |
| G  | Min. ground clearance           | 1 020 mm       |          |
| H  | Track gauge                     | 3 900 mm       |          |
| I  | Track shoe width                | 700 mm         | 900 mm   |
| J  | Undercarriage width             | 4 600 mm       | 4 800 mm |
| K  | Overall width                   | 5 470 mm       |          |
| L  | Track height                    | 1 660 mm       |          |

HYDRAULIC EXCAVATOR

**EX1200-7B (Tier 4 Final)**    Engine Rated Power : 567 kW (770 PS)  
Operating Weight : Loading Shovel : 118 000 kg  
Backhoe : 117 000 kg  
BE-front : 119 000 kg

**EX1200-7 (FCO)**    Engine Rated Power : 567 kW (770 PS)  
Operating Weight : Loading Shovel : 117 000 kg  
Backhoe : 115 000 kg  
BE-front : 117 000 kg

**Bucket Capacity**    Backhoe Bucket        : (ISO 7546 Heaped 2:1) 5.2 - 7.0 m³  
Loading Shovel Bucket : (ISO 7451 Heaped 1:1) 5.9 - 6.5 m³

# SPECIFICATIONS

## EX1200-7

### ENGINE

|                                                           |                                                                                                                        |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Model .....                                               | Cummins QSK23-C                                                                                                        |
| Type .....                                                | Water-cooled, 4-cycle, 6-cylinder in line, turbo-charged direct injection chamber-type diesel engine, urea SCR system. |
| Emission Certification .....                              | U.S.EPA Tier 4 Final                                                                                                   |
| Rated power @1 800 min <sup>-1</sup> (rpm) ISO14396 ..... | 567 kW (770 PS)                                                                                                        |
| Maximum torque .....                                      | 3 468 N·m (354 kgf·m) at 1 350 min <sup>-1</sup> (rpm)                                                                 |
| Piston displacement .....                                 | 23.15 L                                                                                                                |
| Bore and stroke .....                                     | 170 mm x 170 mm                                                                                                        |
| Starting system .....                                     | 24 V electric motor                                                                                                    |
| Batteries .....                                           | 2 x 12 V, 2 x 185 AH (20hr)                                                                                            |

|                                                           |                                                                                                       |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Model .....                                               | Cummins QSK23-C                                                                                       |
| Type .....                                                | Water-cooled, 4-cycle, 6-cylinder in line, turbo-charged direct injection chamber-type diesel engine. |
| Emission Certification .....                              | Not Certified                                                                                         |
| Rated power @1 800 min <sup>-1</sup> (rpm) ISO14396 ..... | 567 kW (770 PS)                                                                                       |
| Maximum torque .....                                      | 3 468 N·m (354 kgf·m) at 1 350 min <sup>-1</sup> (rpm)                                                |
| Piston displacement .....                                 | 23.15 L                                                                                               |
| Bore and stroke .....                                     | 170 mm x 170 mm                                                                                       |
| Starting system .....                                     | 24 V electric motor                                                                                   |
| Batteries .....                                           | 2 x 12 V, 2 x 185 AH (20hr)                                                                           |

### HYDRAULIC SYSTEM

Hitachi's ETS (Electronic Total control System) can achieve maximum job efficiency by reducing fuel consumption and noise levels, while maximizing productivity through the optimization of engine-pump functions with excellent controllability increasing operator comfort.

- E-P Control (Computer-aided Engine-Pump Control system) Main pumps regulated by electric engine speed sensing control system. Optimum operation mode selectable among 3 power modes depending on type of job.
- HIOS IIIB assures fully independent and combined operations.
- High-pressure 2-speed travel system for high traction force and travel speed.
- Forced-cooling pump drive system
- TIG (Tungsten Insert Gas) welding pipings

|                    |                                                              |
|--------------------|--------------------------------------------------------------|
| Main pumps .....   | 3 variable-displacement, swash plate type axial piston pumps |
| Max.oil flow ..... | 3 X 520 L/min                                                |
| Pilot pump .....   | Gear pump                                                    |
| Max.oil flow ..... | 56.0 L/min                                                   |
| Fan pump .....     | variable-displacement, swash plate type axial piston pumps   |
| Max.oil flow ..... | 130 L/min                                                    |

### Relief Valve Settings

|                               |                        |
|-------------------------------|------------------------|
| Boom/arm/bucket circuit ..... | 31.9 MPa (325 kgf/cm²) |
| Travel circuit .....          | 34.3 MPa (350 kgf/cm²) |
| Swing circuit .....           | 27.9 MPa (285 kgf/cm²) |
| Pilot circuit .....           | 4.4 MPa ( 45 kgf/cm²)  |

### Hydraulic Cylinders

High-strength piston rods and tubes adopted. Cylinder cushion mechanisms are provided for boom, arm, bucket and dump cylinders.

### Cylinder Dimensions Loading shovel

|        | Quan. | Bore   | Rod diameter |
|--------|-------|--------|--------------|
| Boom   | 2     | 230 mm | 160 mm       |
| Arm    | 1     | 215 mm | 150 mm       |
| Bucket | 2     | 200 mm | 150 mm       |
| Dump   | 2     | 140 mm | 85 mm        |
| Level  | 1     | 230 mm | 160 mm       |

### Backhoe

|                           | Quan. | Bore   | Rod diameter |
|---------------------------|-------|--------|--------------|
| Boom                      | 2     | 230 mm | 160 mm       |
| Arm                       | 1     | 260 mm | 180 mm       |
| Bucket (for 3.6 m arm)    | 1     | 230 mm | 160 mm       |
| Bucket (for 3.4 m BE-arm) | 1     | 240 mm | 170 mm       |

### Hydraulic Filters

All hydraulic circuits have high-quality hydraulic filters for protection against oil contamination and longer life of hydraulic components.

|                                                    | Qty. |        |
|----------------------------------------------------|------|--------|
| Full flow filter                                   | 2    | 30 µm  |
| Drain filter (For all plunger type pumps & motors) | 1    | 10 µm  |
| Suction filter                                     | 2    | 177 µm |
| Pilot filter                                       | 1    | 10 µm  |
| Line filter (Delivery filter)                      | 3    | 95 µm  |

These filters are centralized in arrangement for facilitating maintenance.

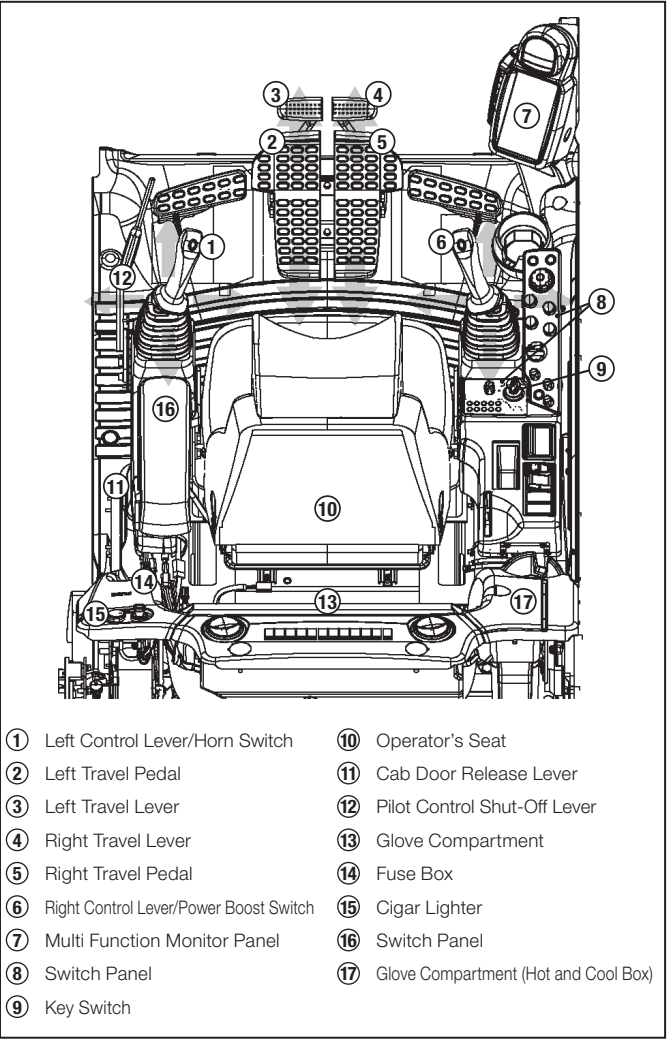
### CONTROLS

#### 2 Implement Levers

Remote-controlled joystick hydraulic servo system. Right lever is for boom and bucket control, left lever for swing and arm control. For loading shovel, 2 pedals provided for opening/closing the bottom dump bucket.

#### 2 Travel Levers with Pedals

Remote-controlled hydraulic servo system. Independent drive at each track allows counter rotation of tracks.



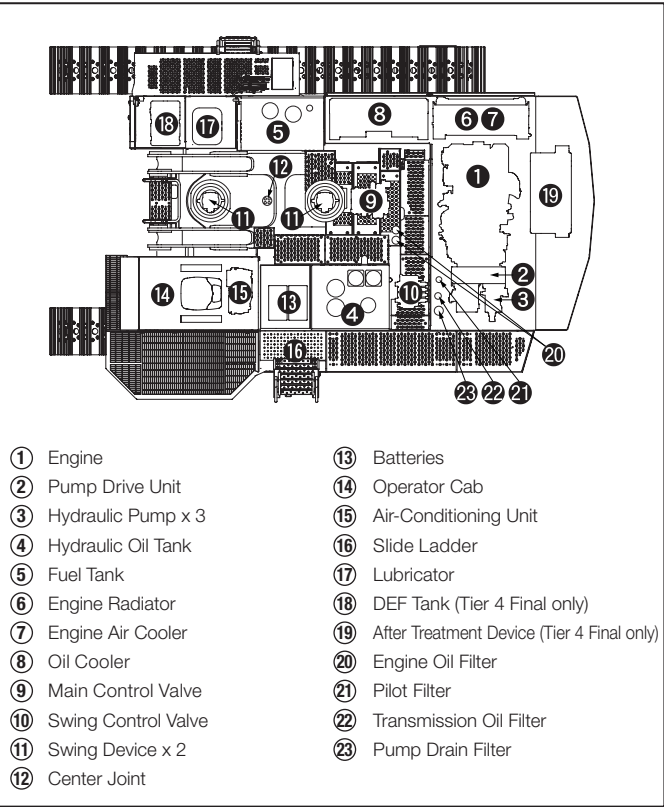
### UPPERSTRUCTURE

#### Revolving Frame

A deep, full-reinforced box section. Heavy-gauge steel plates used for ruggedness.

#### Deck Machinery

Maintenance accessibility is the major feature in the lay-out of deck machinery. Sidewalks provide easy access to engine, hydraulic and electrical components.



#### Swing Device

2 high-torque, axial-piston motors with planetary reduction gear bathed in oil. Swing circle is single-row, shear-type ball bearing with induction-hardened internal gear. Internal gear and pinion gear immersed in lubricant. Swing parking brake is spring-set, hydraulic-released disc type.

|                   |                             |
|-------------------|-----------------------------|
| Swing speed ..... | 5.2 min <sup>-1</sup> (rpm) |
|-------------------|-----------------------------|

#### Operator's Cab

The sturdy cab, with OPG top guard Level II(ISO), helps protect the operator from falling objects. Independent, pressurized, 1 100 mm wide, 1 900 mm high, roomy 3.47 m³ cab with tinted-glass windows features all-round visibility. Spring-suspension-type, fully-adjustable reclining seat with armrests; movable with or without front and swing control levers by slide. Instruments and control panel are within easy reach of the operator.

Powerful fresh air ventilation type air conditioner. Cool-and-hot box and rotatable blower louvers also serve as defrosters. Thus, rapid air-conditioning can be achieved for operator comfort.

Fluid-filled elastic-mounting and sound-proofing structure to reduce noise level and vibration.

|                  |                                                                                         |
|------------------|-----------------------------------------------------------------------------------------|
| Noise level..... | 72 dB(A) in the cab; on max. engine speed under no-load condition. (Tier 4 Final model) |
|------------------|-----------------------------------------------------------------------------------------|

|                      |          |
|----------------------|----------|
| Eye level height     |          |
| Backhoe.....         | 3 650 mm |
| Loading Shovel ..... | 4 730 mm |

## SPECIFICATIONS

## UNDERCARRIAGE

## Tracks

Tractor-type undercarriage. Bolt linkage for side frame assures durability. Heavy-duty track frame of all-welded, stress-relieved structure. Top-grade materials used for toughness. Lifetime-lubricated induction-hardened track rollers, idlers and sprockets with floating seals. Track shoes of rolled alloy with double grousers. Durable strut reinforced track links with track guards. Hydraulic (grease) track adjusters with shock absorbing recoil springs.

### Tractor-type Undercarriage

Double grouser track shoes of induction-hardened rolled alloy.

Shoe width ..... 700 mm standard

900 mm optional for Backhoe attachment only

### Numbers of Rollers and Shoes on Each Side

Upper rollers ..... 3

Lower rollers ..... 8

Track shoes ..... 49

## Travel Device

Each track driven by a high-torque, axial piston motor through planetary reduction gears, allowing counter rotation of the tracks. Easily replaceable sprockets. Parking brake of spring-set, hydraulic-released disc type.

Travel speeds ..... High : 0 to 3.5 km/h

Low : 0 to 2.4 km/h

Maximum traction force ..... 707 kN (72 100 kgf)

Gradeability ..... 70 % (35 degree) max.

## WEIGHTS AND GROUND PRESSURE

### Loading Shovel

Equipped with 6.5 m<sup>3</sup> (ISO Heaped) bottom dump bucket

| Shoe type       | Shoe width |     | Operating weight | Ground pressure                     |
|-----------------|------------|-----|------------------|-------------------------------------|
| Double grousers | 700 mm     | FCO | 117 000 kg       | 148 kPa (1.51 kgf/cm <sup>2</sup> ) |
|                 |            | T4F | 118 000 kg       | 149 kPa (1.52 kgf/cm <sup>2</sup> ) |

Ground pressures are based on ISO 16754

## Backhoe

EX1200-7: Equipped with 9.0 m boom, 3.6 m arm, and 5.2 m<sup>3</sup> (ISO heaped) bucket

| Shoe type       | Shoe width |     | Operating weight | Ground pressure                     |
|-----------------|------------|-----|------------------|-------------------------------------|
| Double grousers | 700 mm     | FCO | 115 000 kg       | 145 kPa (1.48 kgf/cm <sup>2</sup> ) |
|                 |            | T4F | 117 000 kg       | 148 kPa (1.51 kgf/cm <sup>2</sup> ) |
|                 | 900 mm     | FCO | 116 000 kg       | 114 kPa (1.17 kgf/cm <sup>2</sup> ) |
|                 |            | T4F | 118 000 kg       | 116 kPa (1.19 kgf/cm <sup>2</sup> ) |

Ground pressures are based on ISO 16754

EX1200-7 BE-front: Equipped with 7.55 m BE-boom, 3.4 m BE-arm, and 6.7 m<sup>3</sup> (ISO heaped) bucket

| Shoe type       | Shoe width |     | Operating weight | Ground pressure                     |
|-----------------|------------|-----|------------------|-------------------------------------|
| Double grousers | 700 mm     | FCO | 117 000 kg       | 148 kPa (1.51 kgf/cm <sup>2</sup> ) |
|                 |            | T4F | 119 000 kg       | 150 kPa (1.53 kgf/cm <sup>2</sup> ) |
|                 | 900 mm     | FCO | 118 000 kg       | 116 kPa (1.19 kgf/cm <sup>2</sup> ) |
|                 |            | T4F | 120 000 kg       | 118 kPa (1.21 kgf/cm <sup>2</sup> ) |

Ground pressures are based on ISO 16754

# MEMO

[illegible]

SPECIFICATIONS

LOADING SHOVEL ATTACHMENTS

Boom and arm are all-welded, low-stress, high-tensile strength steel full-box section design. Efficient, automatic level crowding achieved by one-lever control as the parallel link mechanism keeps the bucket digging angle constant, and level cylinder circuit maintains the bucket height constant (Auto-Leveling Crowd Mechanism).

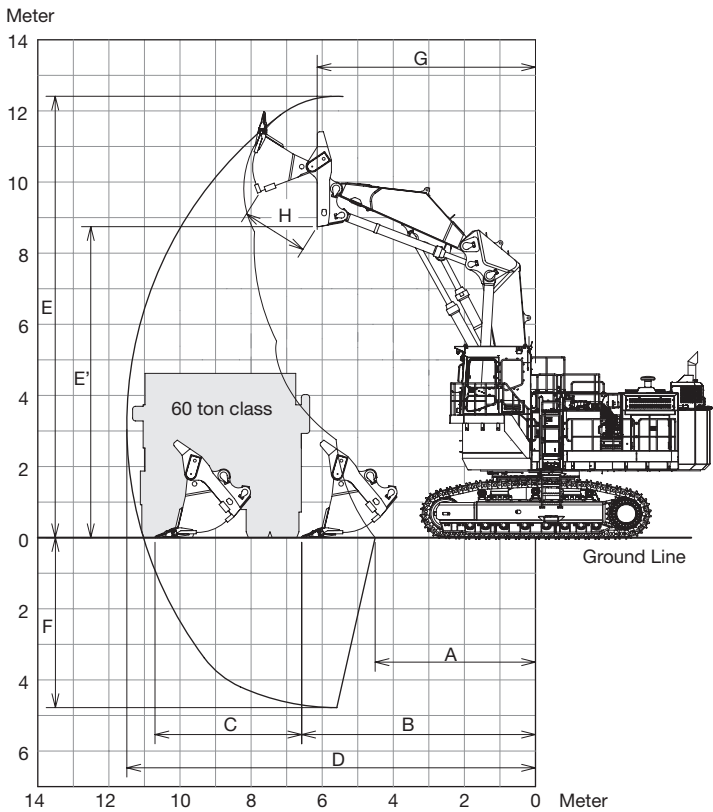
- Dual-support-type boom/arm/bucket pin linkage
- Double lip pin seals plus O-ring at arm top

Bucket

| Capacity (heaped)<br>ISO 7546 (Heaped 2:1) | Width    | No.of teeth | Weight    | Type | Materials density   |
|--------------------------------------------|----------|-------------|-----------|------|---------------------|
| 5.9 m³                                     | 2 510 mm | 6           | 10 000 kg | ●    | 1 800 kg/m³ or less |
| 6.5 m³                                     | 2 700 mm | 6           | 9 390 kg  | ◎    | 1 800 kg/m³ or less |

- :Bottom dump type rock bucket
- ◎:Bottom dump type general purpose bucket

WORKING RANGES



Unit: mm

| Bucket capacity<br>ISO 7456 (Heaped 2:1) | 6.5 m³              |
|------------------------------------------|---------------------|
| A Min. digging distance                  | 4 510               |
| B Min. level crowding distance           | 6 580               |
| C Level crowding distance                | 4 370               |
| D Max. digging reach                     | 11 500              |
| E Max. cutting height                    | 12 410              |
| E' Max. dumping height                   | 8 750               |
| F Max. digging depth                     | 4 780               |
| G Working radius at max. dumping height  | 6 140               |
| H Max. bucket opening width              | 1 880               |
| Arm crowding force on ground             | 585 kN (59 700 kgf) |
| Bucket digging force                     | 709 kN (72 300 kgf) |

BACKHOE ATTACHMENTS

Boom and arm are all-welded, low-stress, full-box section design. Bucket of all-welded high-strength steel structure, side clearance adjust mechanism is provided on the bucket joint brackets.

- Two-points support-type boom cylinder pin linkage
- Double lip pin seals (in all portions) plus O-ring at arm top and link A
- Twistlok-pro bucket teeth

- Flexible pin at the arm top and link A for bucket linkage.

BE (Bulk Excavation) front

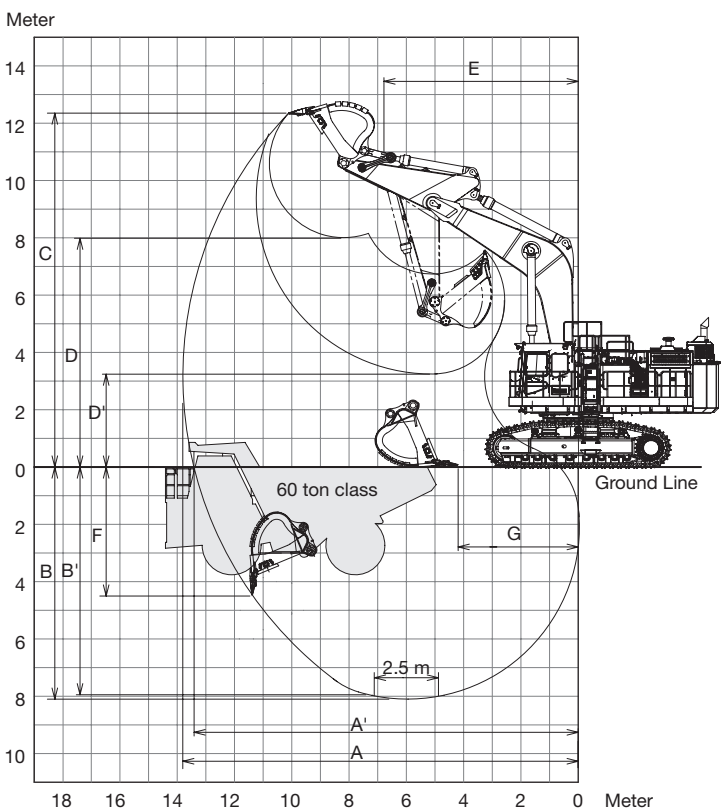
BE-front: The EX1200-7 BE-front is designed and manufactured as a production-oriented machine. Its features include a short arm and boom, large-capacity bucket, large-digging force and superb digging / loading capability.

Bucket

| Capacity<br><br>ISO 7451<br>(Heaped 1:1) | Width          |             | No.<br>of teeth | Weight   | Type | Materials density                          |                         |
|------------------------------------------|----------------|-------------|-----------------|----------|------|--------------------------------------------|-------------------------|
|                                          | Without shroud | With shroud |                 |          |      | BE-front<br>7.55 m BE-boom<br>3.4 m BE-arm | 9.0 m boom<br>3.6 m arm |
| 5.2 m³                                   | 2 140 mm       |             | 5               | 5 450 kg | ◎    | –                                          | 1 800 kg/m³ or less     |
| 7.0 m³                                   | 2 640 mm       |             | 5               | 7 860 kg | ◎    | 1 800 kg/m³ or less                        | –                       |

- ◎:General purpose bucket
- :Not applicable

WORKING RANGES



Unit: mm

| Boom length                              | 7.55 m<br>BE-boom    | 9.0 m                |
|------------------------------------------|----------------------|----------------------|
| Arm length                               | 3.4 m<br>BE-arm      | 3.6 m                |
| Bucket capacity<br>ISO 7451 (Heaped 1:1) | 7.0 m³               | 5.2 m³               |
| A Max. digging reach                     | 13 790               | 15 350               |
| A' Max. digging reach (on ground)        | 13 410               | 15 010               |
| B Max. digging depth                     | 8 100                | 9 380                |
| B' Max. digging depth (2.5m level)       | 7 960                | 9 260                |
| C Max. cutting height                    | 12 340               | 13 460               |
| D Max. dumping height                    | 8 010                | 9 080                |
| D' Min. dumping height                   | 3 220                | 4 160                |
| E Min. swing radius                      | 6 770                | 7 740                |
| F Max. vertical wall                     | 4 440                | 6 450                |
| G Min. level crowding distance           | 4 210                | 5 790                |
| Bucket digging force (ISO)*              | 569 kN<br>58 000 kgf | 482 kN<br>49 200 kgf |
| Arm crowd force (ISO)*                   | 438 kN<br>44 700 kgf | 430 kN<br>43 900 kgf |

\*This is the calculated value at the loading point (Cutting Edge) conforming to ISO.

EQUIPMENT

STANDARD EQUIPMENT

Standard equipment may vary by country, so please consult your Hitachi dealer for details.

ENGINE

- Alternator belt auto-tensioner
- Auto-idle system
- Auto shut down control
- Cartridge-type engine oil filter
- Cartridge-type fuel filter (only for Tier 4 F)
- Coolant filter
- Dry-type air filter with clean dust cup
- Element -type fuel filter
- Eco control
- Fan guard
- Isolation-mounted engine
- Overheat prevention control
- Power mode switch control (ECO/PWR/HP)
- Radiator, air cooler and oil cooler with dust protective net
- SCR muffler (Tier 4 Final only)
- 140A alternator

HYDRAULIC SYSTEM

- Auto power lift control (BH)
- Boom mode selector system
- Control valve with main relief valve
- Engine speed sensing system
- E-P control system
- Full-flow filter
- HIOS IIIB (Human & Intelligent Operation System)
- Line filter (Delivery filter)
- Overheat prevention control
- Pilot filter
- Pump drain filter
- Reverse Fan system
- Suction filter
- Transmission oil cooling system

CAB

- Adjustable armrests
- Adjustable reclining seat
- All-weather sound-suppressed steel integrated cab
- Ashtray
- Auto controlled air conditioner\* with defroster
- Auto-idle switch
- Auto-tuning AM-FM radio

- Cigarette lighter
- Digital clock
- Dome light linked to door
- Drink holder with hot and cool functions
- Electrical horn
- Engine control dial
- Evacuation hammer
- External input port (Aux terminal)
- Floor mat
- Footrest
- Large storage space
- Hot and cool box
- Intermittent wiper interlocked with front windshield washer
- Laminated glass windshield
- OPG top guard level II (ISO10262)
- Pilot control shut-off lever
- Reinforced/tinted (Green color) glass side and rear windows

- Seat belt
- Small caddy
- Speakers at the side
- 12 V power supply

MONITOR SYSTEMS

- Meters:
  - Auto-idle
  - DEF gauge (only for Tier 4 F)
  - Engine coolant temperature gauge
  - Fuel gauge
  - Hour meter
  - Indicator

DATA LOGGING SYSTEM

- DLU (Data-logging unit) continuously records performance of the engine and the hydraulic system.
- The record can be down-loaded by PC.
- And for Fleet management system (Provided by Wenco etc.) connection\*\*

LIGHTS

- 1 boom LED right
- 1 step LED light
- 2 cab LED lights
- 2 counterweight LED lights
- 2 working LED lights

UPPERSTRUCTURE

- Centralized lubrication system for swing bearing
- Control valves with main relief valves and port relief valves
- Electric grease gun with hose reel
- Rear view camera
- Slow return orifices and make up valves for cylinder circuits
- Undercover
- 18 000kg counterweight

UNDERCARRIAGE

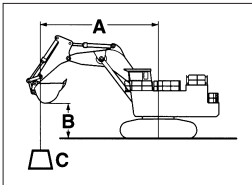
- Hydraulic (Grease) track adjuster with shock absorbing recoils spring
- Spring-set/hydraulic-released disc type parking brake
- Track and idler guards
- Travel motor cover
- 700 mm shoe

MISCELLANEOUS

- Auto-lubrication system for front-attachment
  - BH, BE front : Except bucket arm joint pin
  - LD front : Include bucket arm joint pin
- Dual isolator switch
- Elevated cab (for Loading Shovel)
- ISO conforming stairs and handrails
- Slide ladder
- Slip resistance plate
- Wide side walk

\*: Contains fluorinated greenhouse gases, Refrigerant type: HFC-134a, GWP: 1430, Amount: 1.25 kg, CO2e: 1.79 ton.  
\*\*: The availability of the system depends on licensing regulations in each country. Please contact Hitachi dealer for more information.  
\*\*\*: Engineered on request

LIFTING CAPACITIES



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

| METRIC MEASURE                                                                        |                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |       |      |
|---------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|------|
| Rating over-side or 360 degrees   Rating over-front   Unit: 1 000 kg                  |                   |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |       |      |
| Conditions                                                                            | Load point height | Load radius                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | At max. reach                                                                       |       |      |
|                                                                                       |                   | 2 m                                                                                 |                                                                                     | 4 m                                                                                 |                                                                                     | 6 m                                                                                 |                                                                                     | 8 m                                                                                 |                                                                                     | 10 m                                                                                |                                                                                     |                                                                                     |       |      |
|                                                                                       |                   |  |  |  |  |  |  |  |  |  |  |  | meter |      |
| EX1200-7 BE<br>BE-boom<br>BE-arm<br>Bucket<br>ISO 7451 (Heaped 1:1) : 7.0 m³<br>Shoes | 7.55 m            | 8 m                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *16.9                                                                               | *16.9                                                                               | *6.82                                                                               | *6.82 | 12.6 |
|                                                                                       | 3.4 m             | 6 m                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 19.2                                                                                | *19.7                                                                               | *6.89                                                                               | *6.89 | 13.1 |
|                                                                                       |                   | 4 m                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *26.7                                                                               | *26.7                                                                               | 18.3                                                                                | *21.3                                                                               | *7.33                                                                               | *7.33 | 13.3 |
|                                                                                       |                   | 2 m                                                                                 |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 25.9                                                                                | *30.8                                                                               | 17.2                                                                                | *23.1                                                                               | *8.19                                                                               | *8.19 | 13   |
|                                                                                       |                   | 0 (Ground)                                                                          |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 24.4                                                                                | *32.9                                                                               | 16.3                                                                                | 23.5                                                                                | *9.66                                                                               | *9.66 | 12.4 |
|                                                                                       |                   | -2 m                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 39.8                                                                                | *45.3                                                                               | 23.7                                                                                | *32.3                                                                               | 15.8                                                                                | 23.0                                                                                |       |      |
|                                                                                       |                   | -4 m                                                                                |                                                                                     |                                                                                     | *48.8                                                                               | *48.8                                                                               | *38.7                                                                               | *38.7                                                                               | 23.8                                                                                | *28.3                                                                               | 16.1                                                                                | *18.8                                                                               |       |      |
|                                                                                       |                   | -6 m                                                                                |                                                                                     |                                                                                     |                                                                                     | *26.6                                                                               | *26.6                                                                               | *17.6                                                                               | *17.6                                                                               |                                                                                     |                                                                                     |                                                                                     |       |      |

| Conditions                     |        | Load point height | Load radius                                                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | At max. reach                                                                       |                                                                                     |       |
|--------------------------------|--------|-------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|
|                                |        |                   | 2 m                                                                                 |                                                                                     | 4 m                                                                                 |                                                                                     | 6 m                                                                                 |                                                                                     | 8 m                                                                                 |                                                                                     | 10 m                                                                                |                                                                                     | 12 m                                                                                |                                                                                     |                                                                                     |                                                                                     |       |
|                                |        |                   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | meter |
| EX1200-7 STD                   | 9.0 m  | 10 m              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *10.8                                                                               | *10.8                                                                               | 13.5                                                                                |       |
|                                |        | 8 m               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 14.2                                                                                | *14.9                                                                               | 9.44                                                                                | *10.6                                                                               | 14.4                                                                                |       |
| Boom                           | 3.6 m  | 6 m               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *17.4                                                                               | *17.4                                                                               | 13.7                                                                                | *15.4                                                                               | 8.34                                                                                | *10.8                                                                               | 14.8                                                                                |       |
| Arm                            |        | 4 m               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *26.2                                                                               | *26.2                                                                               | 18.5                                                                                | *19.7                                                                               | 12.9                                                                                | *16.4                                                                               | 7.82                                                                                | *11.3                                                                               | 14.9  |
| Bucket                         | 700 mm | 2 m               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 24.5                                                                                | *30.2                                                                               | 17.0                                                                                | *22.0                                                                               | 12.1                                                                                | 17.6                                                                                | 7.81                                                                                | 11.9                                                                                | 14.7  |
| ISO 7451 (Heaped 1:1) : 5.2 m³ |        | 0 (Ground)        |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 23.1                                                                                | *32.0                                                                               | 16.0                                                                                | 23.1                                                                                | 11.5                                                                                | 16.9                                                                                | 8.38                                                                                | 12.6                                                                                | 14.2  |
| Shoes                          |        | -2 m              |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 22.6                                                                                | *31.6                                                                               | 15.5                                                                                | 22.6                                                                                | 11.2                                                                                | 16.5                                                                                | 9.76                                                                                | *13.7                                                                               | 13.2  |
|                                |        | -4 m              |                                                                                     |                                                                                     | *23.3                                                                               | *23.3                                                                               | *38.0                                                                               | *38.0                                                                               | 22.8                                                                                | *29.5                                                                               | 15.4                                                                                | *22.4                                                                               | 11.3                                                                                | *16.4                                                                               |                                                                                     |                                                                                     |       |
|                                |        | -6 m              |                                                                                     |                                                                                     |                                                                                     |                                                                                     | *31.7                                                                               | *31.7                                                                               | 23.4                                                                                | *24.9                                                                               | 16.0                                                                                | *18.3                                                                               |                                                                                     |                                                                                     |                                                                                     |                                                                                     |       |

Notes: 1.Ratings are based on ISO 10567.  
2.Lifting capacity of the EX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% full hydraulic capacity.  
3.The load point is a hook (not standard equipment) loaded on the back of the bucket.  
4.\*Indicates load limited by hydraulic capacity.

OPTIONAL EQUIPMENT

Optional equipment may vary by country, so please consult your Hitachi dealer for details.

- Additional fuel filter
- Additional travel motion alarm
- Additional 1 boom LED light
- Additional 2 Cab LED lights
- Additional 1 Cab rear LED light
- Aerial angle
- Air suspension & heater seat
- Bucket auto lubrication system(BE front)
- CAB front guard
- Center frame under guard
- Cold weather package
- Communication system\*\*
  - GPRS communication system
  - Satelitedata transmitting system

- Contamination sensor
- Electric fuel refilling pump device
- Fuel refilling piping
- Full track guard
- Hand rail on the oil cooler, Radiator,counter weight, air cleaner
- High altitude application\*\*\*
- High cab kit (for Backhoe)
- Large sized air cleaner
- LC side frame
- Marine specification
- Pre-cleaner
  - Full view type
  - Top spin type

- Right and left side cameras
- Roll screens
- Standard tool kit
- Sun visor
- Swing alarm
- Travel motion alarm device
- USB supply
- WIU (Wireless Interface Unit)\*\*
- 900 mm shoe (BH only)

# TRANSPORTATION

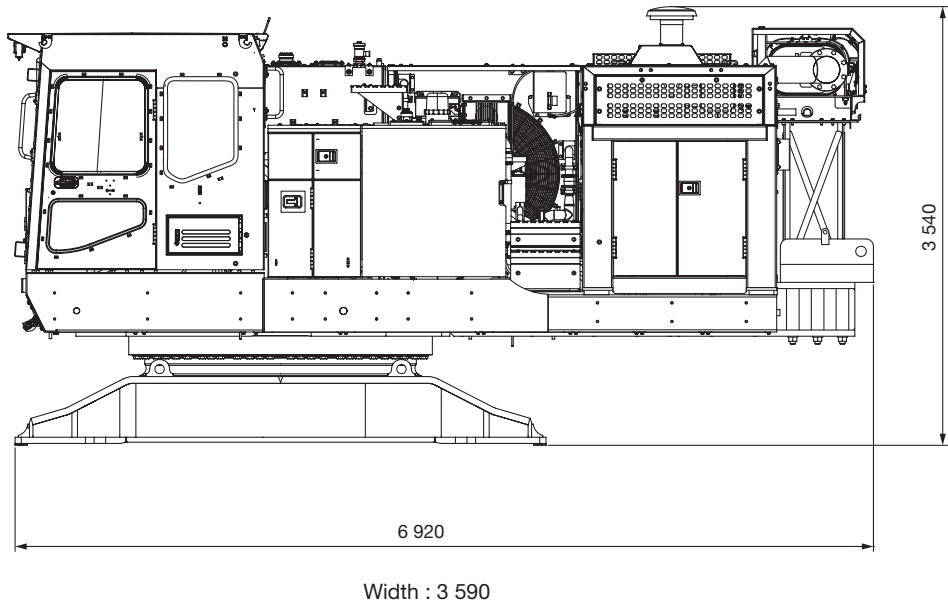
Illustrations show Tier 4 Final type.

- Easily assembled owing to local assembling system requiring no welding.

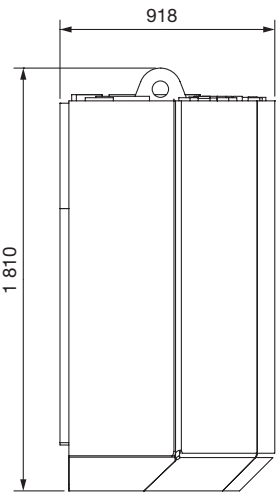
UPPERSTRUCTURE

Unit: mm

Upperstructure for backhoe  
Weight : 39 200 kg (T4F)  
38 500 kg (FCO)

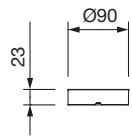


Counterweight  
Weight : 18 000 kg

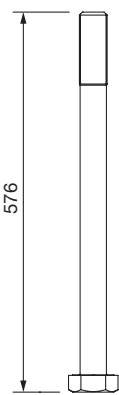


Width : 3 500

Washers  
for counterweight  
Weight : 0.878 kg × 10



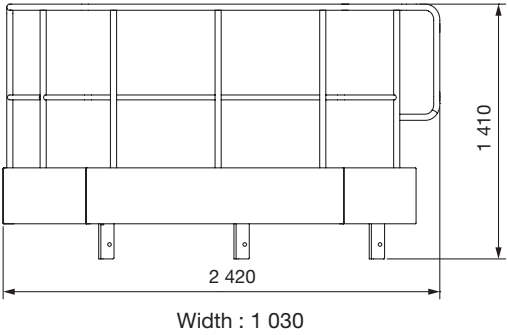
Bolts  
for counterweight  
Weight : 6.24 kg × 10



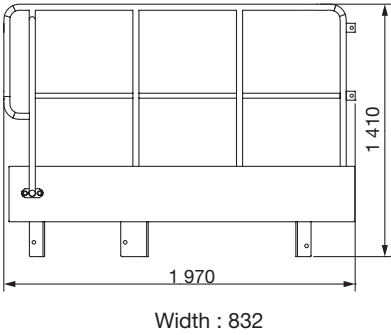
UPPERSTRUCTURE

Unit: mm

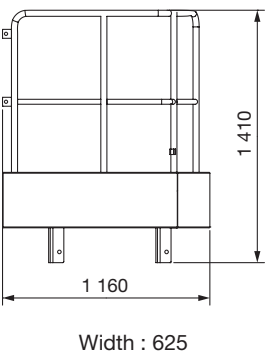
Side walk for backhoe  
Weight : 254 kg



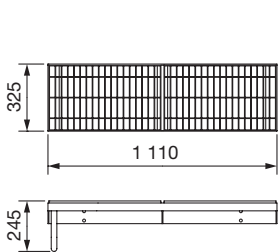
Side walk  
Weight : 131 kg



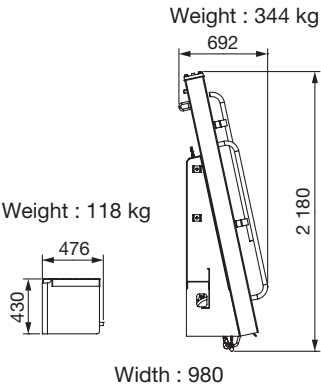
Side walk  
Weight : 84.6 kg



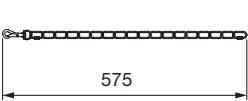
Step  
Weight : 19.5 kg



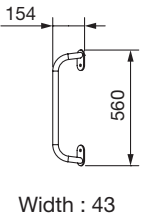
Slide ladder



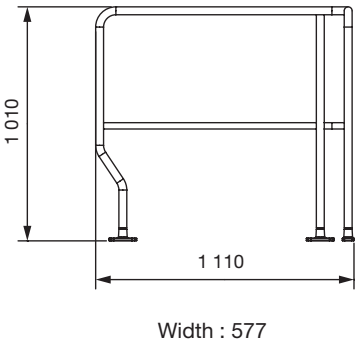
Chain  
Weight : 0.4 kg



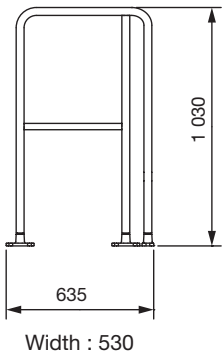
Handrail  
Weight : 1.55 kg



Handrail  
Weight : 15.8 kg



Handrail  
Weight : 11.9 kg



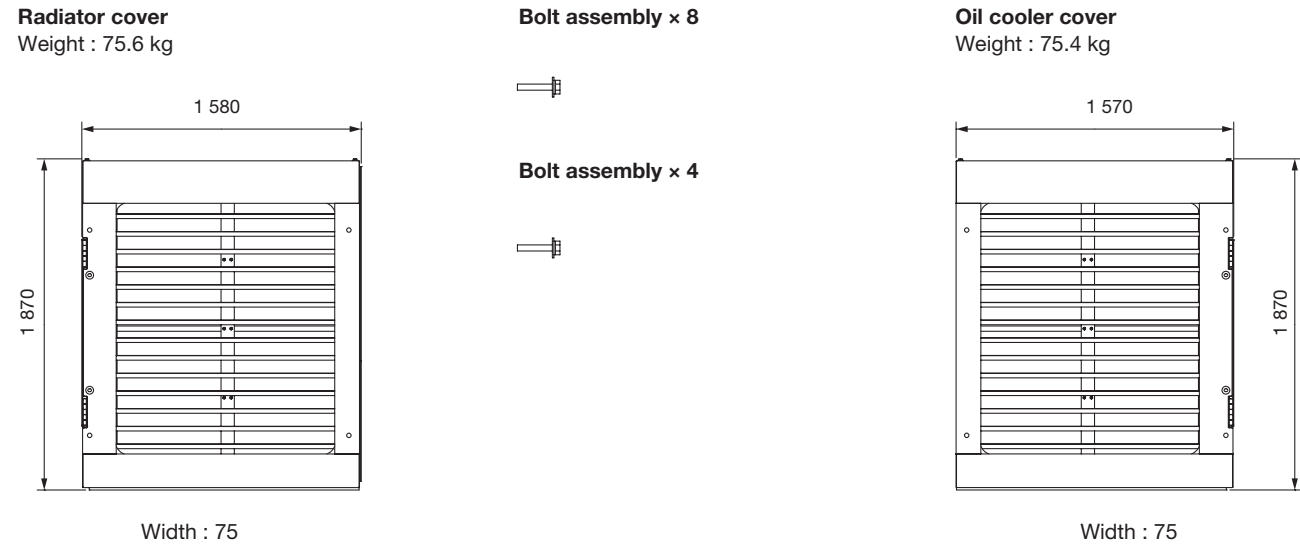
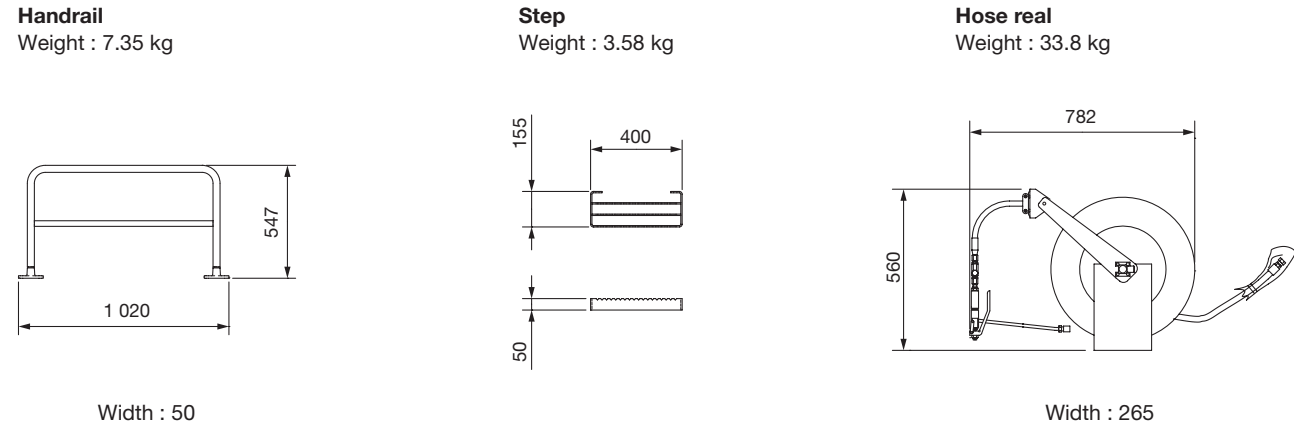
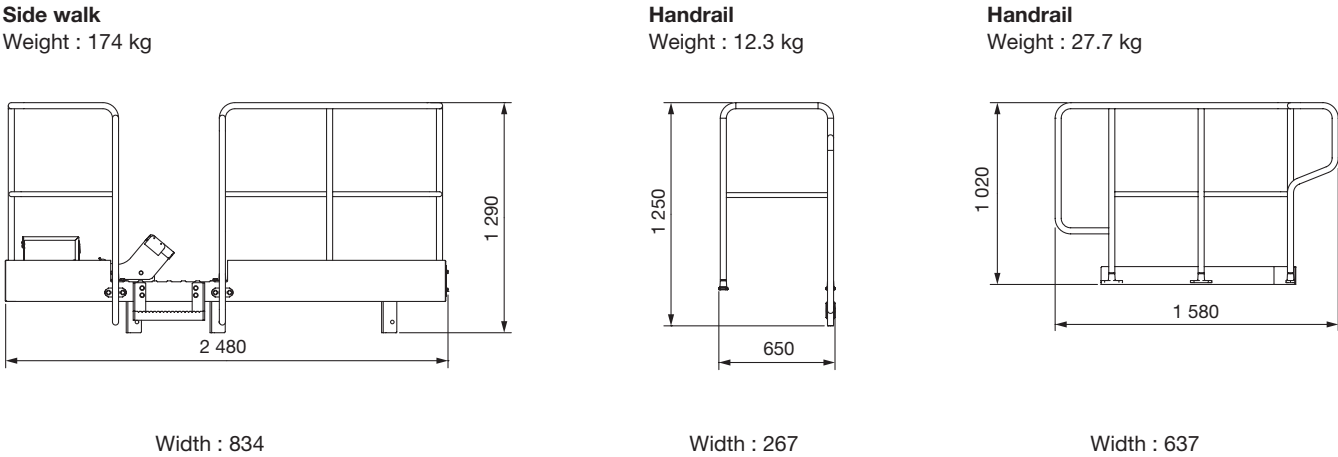
# TRANSPORTATION

Illustrations show Tier 4 Final type.

- Easily assembled owing to local assembling system requiring no welding.

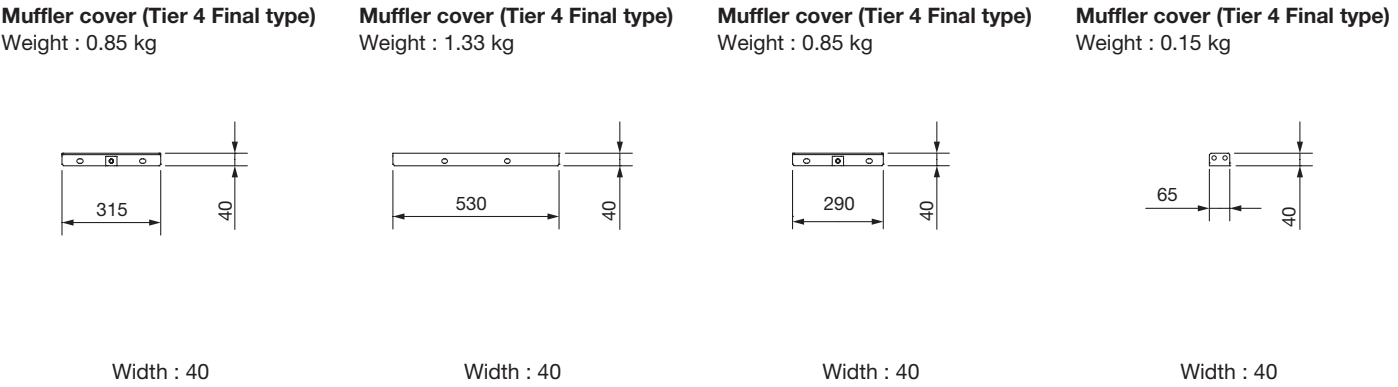
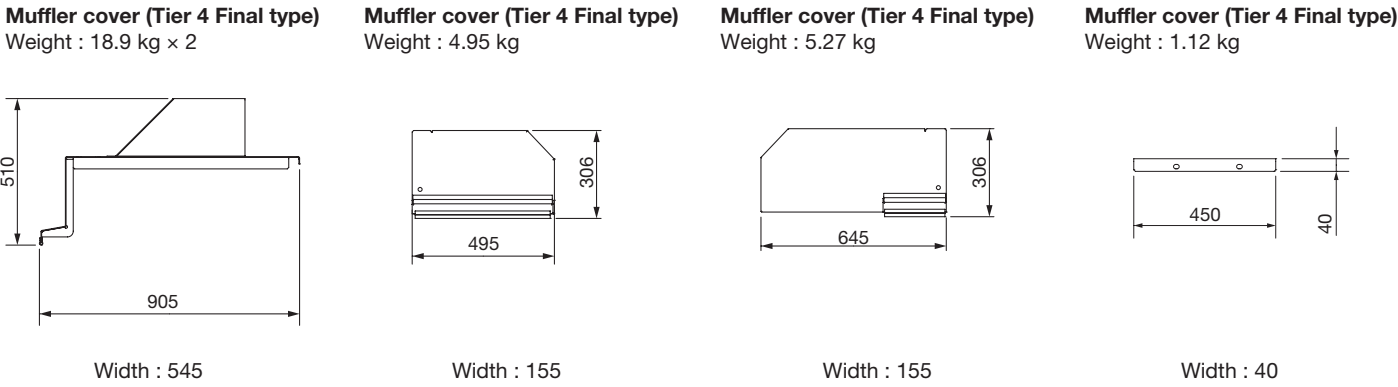
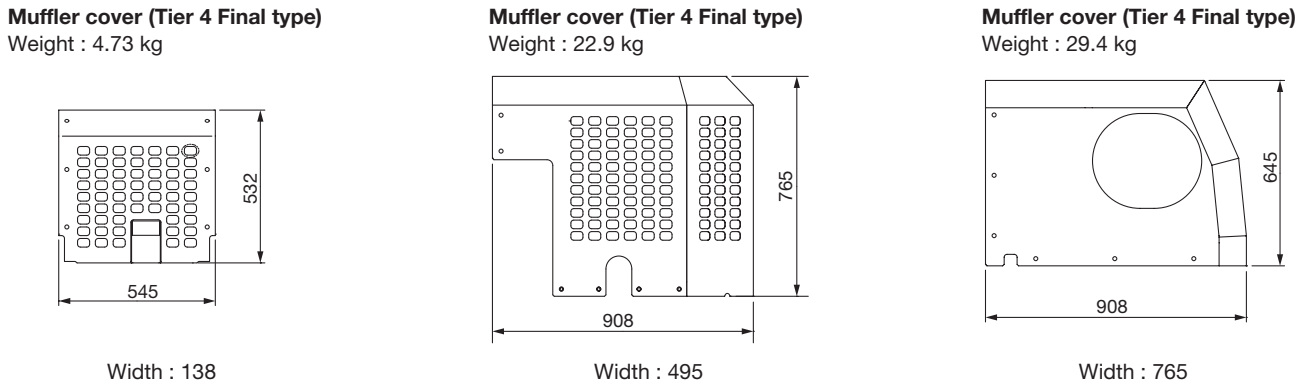
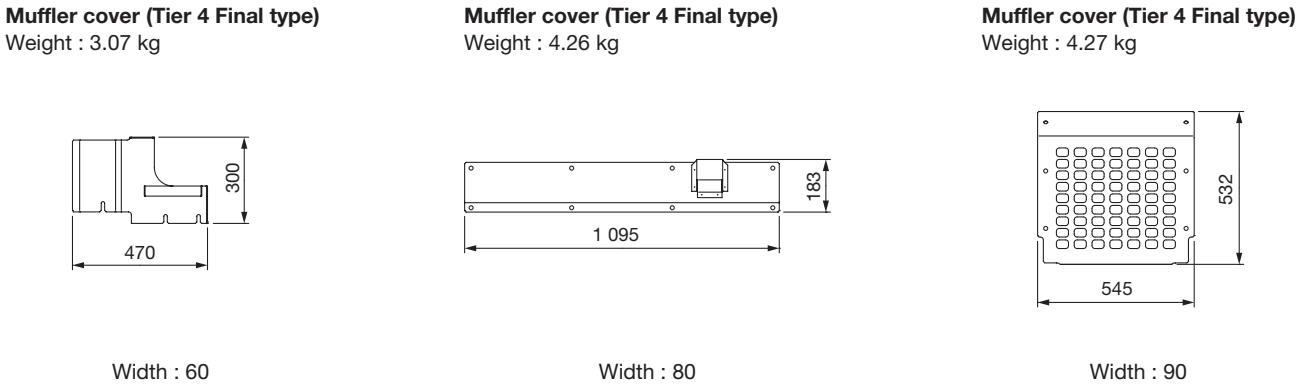
UPPERSTRUCTURE

Unit: mm



UPPERSTRUCTURE

Unit: mm



TRANSPORTATION

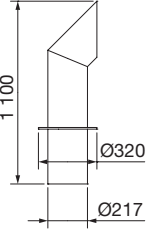
Illustrations show Tier 4 Final type.

- Easily assembled owing to local assembling system requiring no welding.

UPPERSTRUCTURE

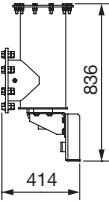
Unit: mm

**Ejector**  
Weight : 15.0 kg



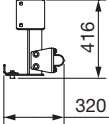
Width : 343

**Exhaust pipe (T4F type)**  
Weight : 46.6 kg



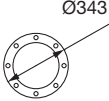
Width : 343

**Exhaust plumbing fixed bracket (T4F type)**  
Weight : 11.1 kg



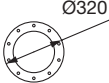
Width : 324

**Gasket (T4F type)**  
Gasket for exhaust laying pipes installation  
Weight : 1.2 kg



Width : 2

**Gasket for the ejector installation**  
Weight : 1.2 kg



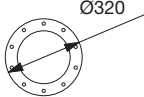
Width : 2

**U-Bolt assembly (T4F type)**  
Weight : 0.82 kg



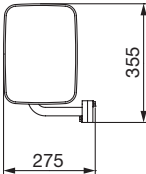
Width : 26

**Gasket for the ejector installation (FCO type)**  
Weight : 1.2 kg



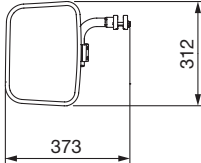
Width : 2

**Mirror assembly**  
Weight : 2.49 kg



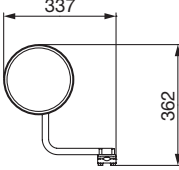
Width : 125

**Mirror assembly**  
Weight : 2.07 kg



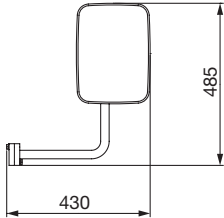
Width : 157

**Mirror assembly**  
Weight : 1.77 kg



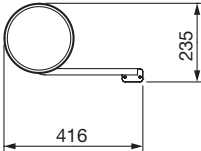
Width : 101

**Mirror assembly**  
Weight : 2.89 kg



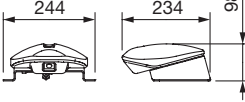
Width : 125

**Mirror assembly**  
Weight : 1.93 kg



Width : 132

**Camera**  
Weight : 2.34 kg



Width : 101

**Antenna**  
Weight : 0.2 kg



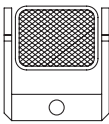
Width : 101

**Wiper assembly**  
Weight : 0.6 kg × 2



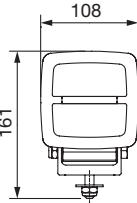
Width : 101

**Lamp assembly**  
Weight : 1.0 kg



Width : 101

**Lamp assembly**  
Weight : 1.1 kg



Width : 87

UPPERSTRUCTURE

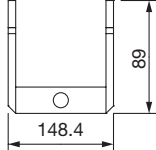
Unit: mm

**Rear lights**  
Weight : 0.5 kg × 2



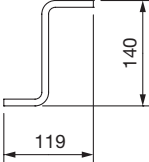
Width : 101

**Brackets**  
Weight : 0.22 kg × 2



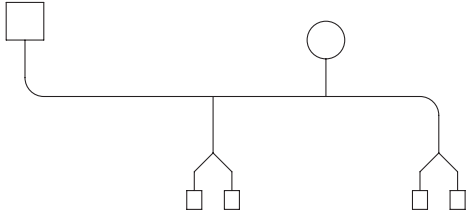
Width : 148.4

**Brackets**  
Weight : 1.0 kg × 2



Width : 119

**Rear camera harness**  
Weight : 1.0 kg



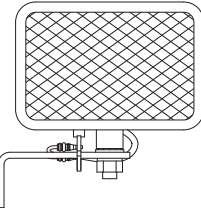
Width : 101

**Rear camera harness**  
Weight : 0.5 kg



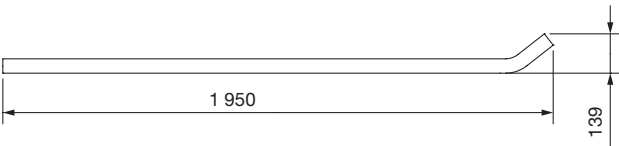
Width : 101

**Lamp:Head**  
Weight : 1.03 kg



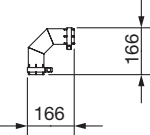
Width : 101

**Pipe (T4F type)**  
Weight : 3.67 kg



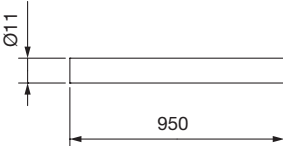
Width : 51

**Pipe Assem (T4F type)**  
Weight : 0.95 kg



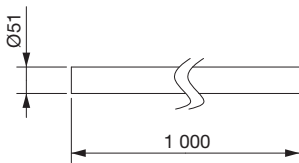
Width : 64

**Tube: Plastic (T4F type)**



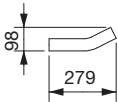
Width : 950

**Pipe (FCO type)**  
Weight : 1.94 kg



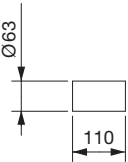
Width : 51

**Pipe (FCO type)**  
Weight : 0.54 kg



Width : 51

**hose (FCO type)**  
Weight : 0.13 kg



Width : 63

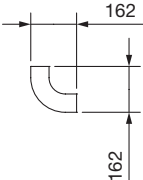
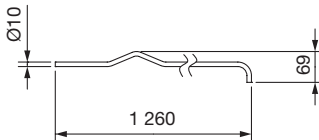
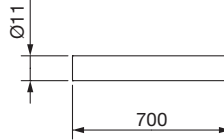
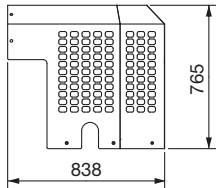
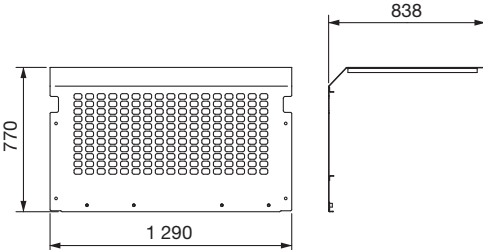
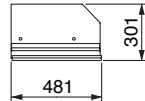
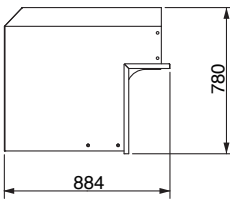
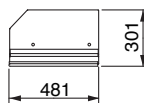
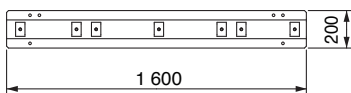
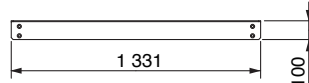
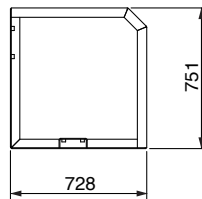
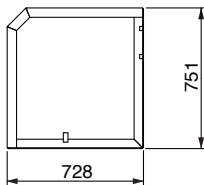
# TRANSPORTATION

Illustrations show Tier 4 Final type.

- Easily assembled owing to local assembling system requiring no welding.

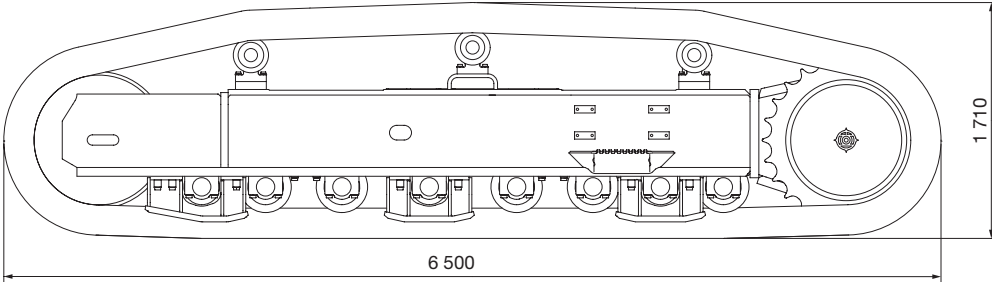
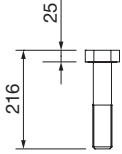
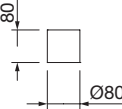
UPPERSTRUCTURE

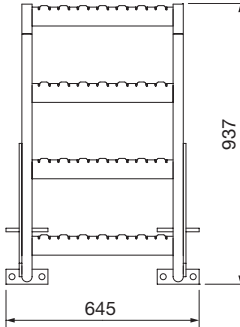
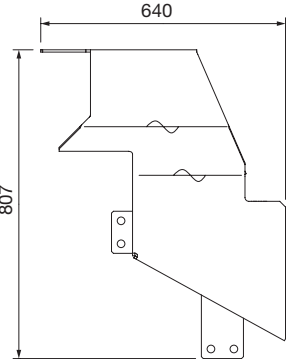
Unit: mm

|                                                                                                                                                                    |                                                                                                                                                                    |                                                                                                                                                                    |                                                                                                                                                                    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Pipe</b><br/>Weight : 0.22 kg</p>  <p>Width : 65</p>                        | <p><b>Pipe</b></p>                                                                | <p><b>Tube: Plastic</b></p>                                                     |                                                                                                                                                                    |
| <hr/>                                                                                                                                                              |                                                                                                                                                                    |                                                                                                                                                                    |                                                                                                                                                                    |
| <p><b>Muffler cover (FCO type)</b><br/>Weight : 15.8 kg</p>  <p>Width : 230</p>   | <p><b>Muffler cover (FCO type)</b><br/>Weight : 40.2 kg</p>                      | <p><b>Muffler cover (FCO type)</b><br/>Weight : 4.94 kg</p>  <p>Width: 132</p> |                                                                                                                                                                    |
| <hr/>                                                                                                                                                              |                                                                                                                                                                    |                                                                                                                                                                    |                                                                                                                                                                    |
| <p><b>Muffler cover (FCO type)</b><br/>Weight : 20.5 kg</p>  <p>Width : 255</p> | <p><b>Muffler cover (FCO type)</b><br/>Weight : 4.94 kg</p>  <p>Width : 132</p> | <p><b>Muffler cover (FCO type)</b><br/>Weight : 8.00 kg</p>  <p>Width : 132</p> |                                                                                                                                                                    |
| <hr/>                                                                                                                                                              |                                                                                                                                                                    |                                                                                                                                                                    |                                                                                                                                                                    |
| <p><b>Cover frame (FCO type)</b><br/>Weight : 19.0 kg</p>  <p>Width: 107</p>     | <p><b>Cover frame (FCO type)</b><br/>Weight : 6.97 kg</p>  <p>Width: 50</p>     | <p><b>Cover frame (FCO type)</b><br/>Weight : 17.6 kg</p>  <p>Width : 130</p>  | <p><b>Cover frame (FCO type)</b><br/>Weight : 17.2 kg</p>  <p>Width : 130</p> |

UNDERCARRIAGE

Unit: mm

|                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Slide frame</b><br/>Weight : 15 200 kg × 2 (with 700 mm shoe)<br/>15 900 kg × 2 (with 900 mm shoe)</p>  <p>Width : 1 003 (with 700 mm shoe)<br/>1 003 (with 900 mm shoe)</p> | <p><b>Bolts</b><br/>Weight : 2.61 kg × 52</p>  <p><b>Spacers</b><br/>Weight : 2.24 kg × 52</p>  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                                                                                                                                          |                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Ladder</b><br/>Weight : 20.8 kg (for 700 mm shoe) × 2</p>  <p>Width : 302</p> | <p><b>Travel device cover (R)(L)</b><br/>Weight : 25.0 kg × 2</p>  <p>Width : 258</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

TRANSPORTATION

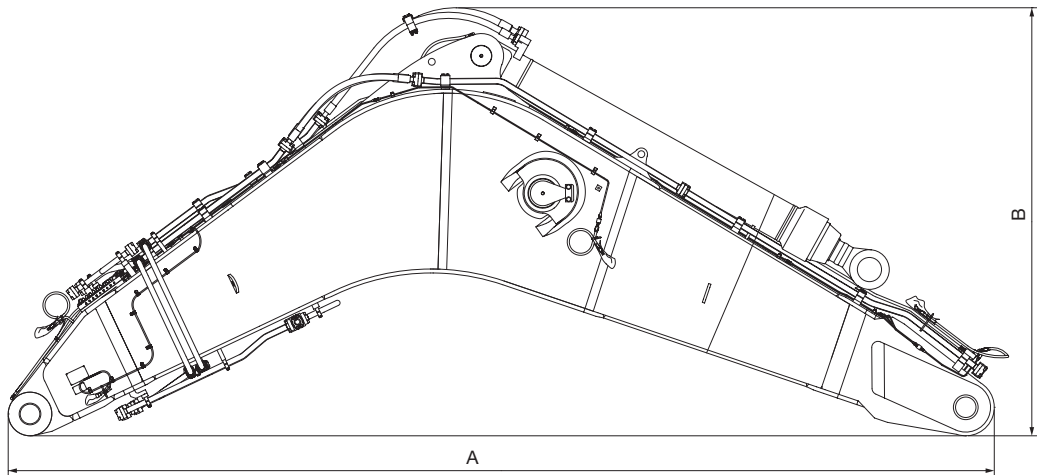
Illustrations show Tier 4 Final type.

- Easily assembled owing to local assembling system requiring no welding.

BACKHOE ATTACHMENT

Unit: mm

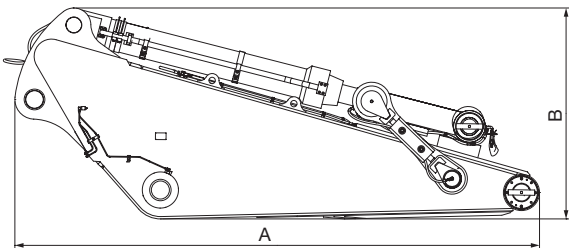
Boom



|             | Boom length | A        | B        | Width    | Weight    |
|-------------|-------------|----------|----------|----------|-----------|
| EX1200-7    | 9.0 m       | 9 410 mm | 3 460 mm | 1 590 mm | 12 300 kg |
| EX1200-7 BE | 7.55 m      | 7 960 mm | 3 450 mm | 1 580 mm | 11 800 kg |

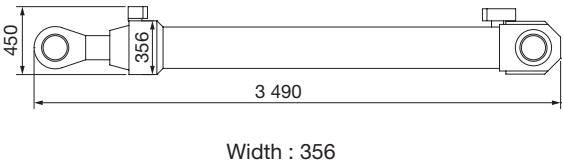
Arm

|             | Arm length | A        | B        | Width    | Weight   |
|-------------|------------|----------|----------|----------|----------|
| EX1200-7    | 3.6 m      | 5 090 mm | 1 950 mm | 1 020 mm | 6 130 kg |
| EX1200-7 BE | 3.4 m      | 4 940 mm | 1 990 mm | 1 110 mm | 6 750 kg |



Boom cylinders

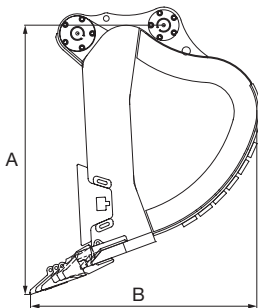
Weight : 1 130 kg × 2



Bucket

| Capacity              | A        | B        | Width    | Weight   | Type |
|-----------------------|----------|----------|----------|----------|------|
| ISO 7451 (Heaped 1:1) |          |          |          |          |      |
| 5.2 m³                | 2 660 mm | 2 210 mm | 2 120 mm | 4 910 kg | ⊙    |
| 7.0 m³                | 2 820 mm | 2 220 mm | 2 400 mm | 6 650 kg | ⊙    |

⊙ :General purpose bucket



OVERALL

Unit: mm

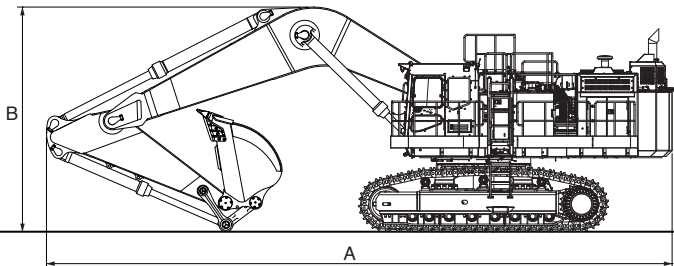
EX1200-7B

|          | Boom length | Arm length | A         | B        | Width   | Weight     |
|----------|-------------|------------|-----------|----------|---------|------------|
| BH Front | 9.0 m       | 3.6 m      | 15 970 mm | 5 770 mm | 5 430 m | 117 000 kg |
| BE Front | 7.55 m      | 3.4 m      | 14 580 mm | 5 970 mm | 5 430 m | 119 000 kg |

EX1200-7

|          | Boom length | Arm length | A         | B        | Width   | Weight     |
|----------|-------------|------------|-----------|----------|---------|------------|
| BH Front | 9.0 m       | 3.6 m      | 15 970 mm | 5 770 mm | 5 430 m | 115 000 kg |
| BE Front | 7.55 m      | 3.4 m      | 14 580 mm | 5 970 mm | 5 430 m | 117 000 kg |

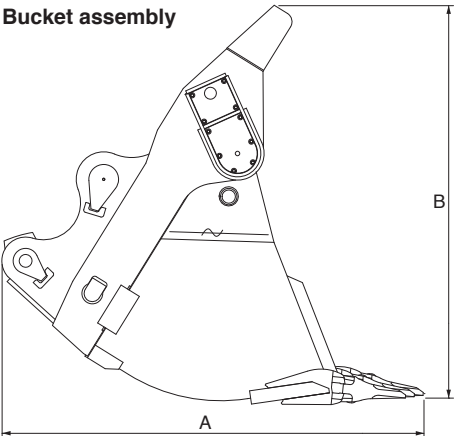
BACKHOE



LOADER ATTACHMENT

Unit: mm

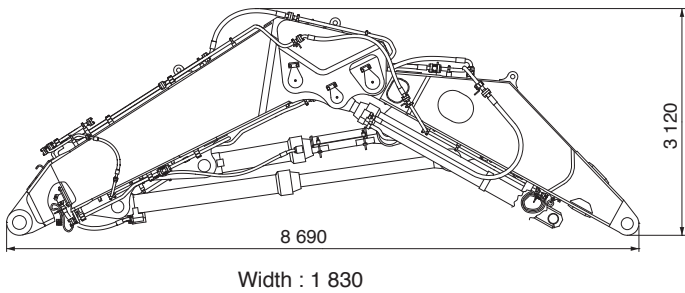
Bucket assembly



| ISO 7451 (Heaped 1:1) | A        | B        | Max. Width | Weight    |
|-----------------------|----------|----------|------------|-----------|
| 5.9 m³                | 2 770 mm | 2 480 mm | 2 690 mm   | 10 000 kg |
| 6.5 m³                | 2 770 mm | 2 680 mm | 2 890 mm   | 9 390 kg  |

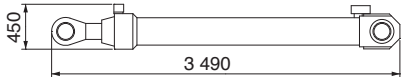
Boom & arm assembly

Weight : 15 500 kg



Boom cylinders

Weight : 1 170 kg x2

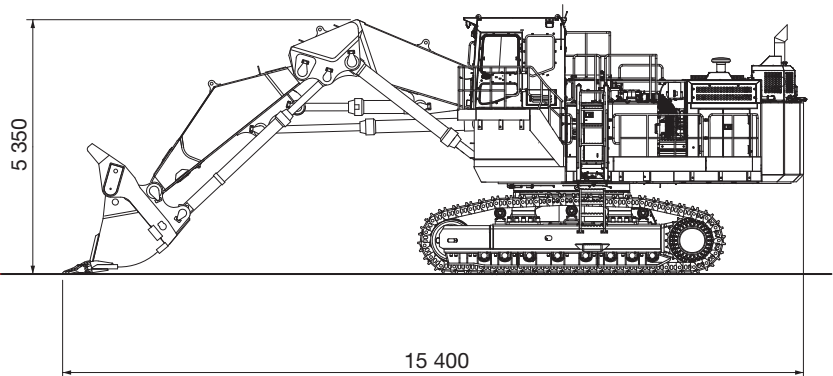


OVERALL

Unit: mm

LOADING SHOVEL

Weight : EX1200-7B 118 000 kg  
EX1200-7 117 000 kg  
Width : 5 430



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.

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