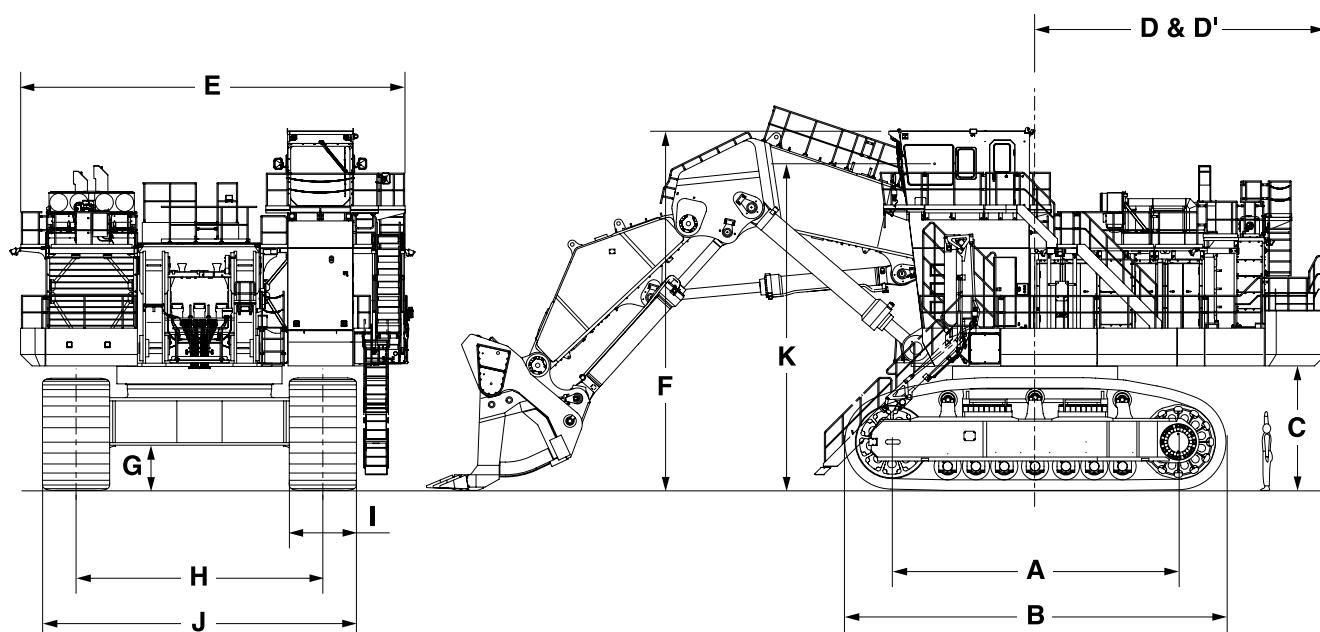


# EX8000

## Specifications



Illustrations show diesel engine type.

A	Distance between tumblers	7 900 mm
B	Undercarriage length	10 500 mm
C	Counterweight clearance	3 430 mm
D	Rear-end swing radius	8 280 mm
D'	Rear-end length	8 010 mm
E	Overall width of upperstructure	10 670 mm
F	Overall height of cab	9 900 mm
G	Min. ground clearance	1 250 mm
H	Track gauge	6 800 mm
I	Track shoe width	1 850 mm
J	Undercarriage width	8 650 mm
K	Eye level height	9 000 mm

### HYDRAULIC EXCAVATOR

#### ■ EX8000-6 with Diesel Engine

Engine Gross Power : 2 x 1 450 kW (2 x 1 940 HP)

Operating Weight : Loading Shovel : 811 000 kg

#### ■ EX8000E-6 with Electric Motor

Power Output : 2 x 1 200 kW

Operating Weight : Loading Shovel : 804 000 kg

#### ■ Bucket Capacity

Loading Shovel Bucket : Heaped : 40.0 m<sup>3</sup>

# SPECIFICATIONS

## EX8000-6

### ENGINE

Model .....	Cummins QSKTA60-CE
Type .....	Water-cooled, 4-cycle, 16-cylinder, turbo-charged and after-cooled, direct injection chamber-type diesel engine
Rated power	
SAE J1995, gross .....	2 x 1 450 kW (2 x 1 940 HP) at 1 800 min <sup>-1</sup> (rpm)
Net .....	2 x 1 450 kW (2 x 1 940 HP) at 1 800 min <sup>-1</sup> (rpm)
Maximum torque .....	2 x 8 364 N·m (2 x 853 kgf·m) at 1 500 min <sup>-1</sup> (rpm)
Piston displacement .....	2 x 60 L
Bore and stroke .....	159 mm X 190 mm
Starting system .....	24 V electric motor
Batteries .....	8 x 12 V , 8 x 220 AH
Cold starting .....	Ether aided

### 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.
- I-OHS (Integrated Optimum Hydraulic System)  
16 main pumps and 6 control valves and 2 set of flow-assisting valves enable both independent and combined operations of all functions.
- FPS (Fuel-saving Pump System)  
FPS minimizes energy loss with superior performance in fine control.
- Auto-Idling system for saving fuel and reducing noise.
- Hydraulic drive cooling-fan system for oil cooler.
- Hydraulic drive cooling-fan system for radiator.
- Forced-lubrication and forced-cooling pump drive system.

Main pumps .....	16 variable-displacement, axial piston pumps for front attachment, travel and swing
Pressure setting .....	29.4 MPa (300 kgf/cm <sup>2</sup> )
Max.oil flow .....	16 x 500 L/min
Pilot pump .....	2 gear pump
Pressure setting .....	4.4 MPa (45 kgf/cm <sup>2</sup> )
Max.oil flow.....	2 x 110 L/min

### Relief Valve Settings

Implement circuit .....	29.4 MPa (300 kgf/cm <sup>2</sup> )
Swing circuit .....	29.4 MPa (300 kgf/cm <sup>2</sup> )
Travel circuit .....	29.4 MPa (300 kgf/cm <sup>2</sup> )
Pilot circuit .....	4.4 MPa ( 45 kgf/cm <sup>2</sup> )

### Hydraulic Cylinders

High-strength piston rods and tubes adopted. Cylinder cushion mechanisms are provided for boom, arm, bucket and dump cylinders. Stroke-end control system is provided for arm, bucket cylinders. Bucket cylinders are provided with protector.

### Cylinder Dimensions Loading shovel

	Quan.	Bore	Rod diameter
Boom	2	480 mm	340 mm
Arm	2	390 mm	270 mm
Bucket	2	390 mm	270 mm
Dump	2	310 mm	180 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	10	10 μm
High pressure strainer (In main & swing pump delivery line)	16	80 meshes
Drain filter (For all plunger type pumps & motors)	1	10 μm
By-pass filter (In oil cooler by-pass line)	1	5 μm
Pilot filter	2	10 μm

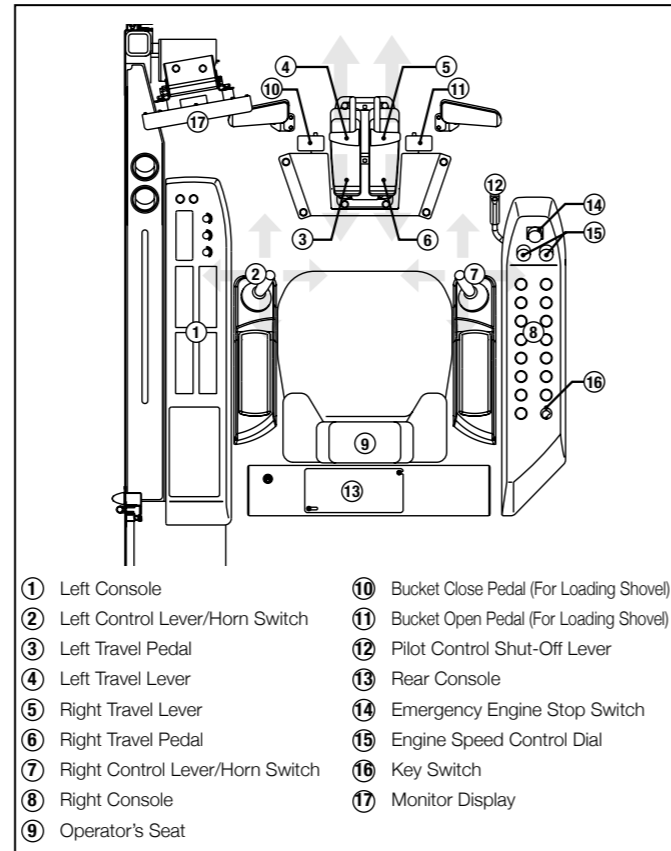
### CONTROLS

#### 2 Implement Levers

Electric joystick control levers. Right lever is for boom and bucket control, left lever for swing and arm control.  
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.



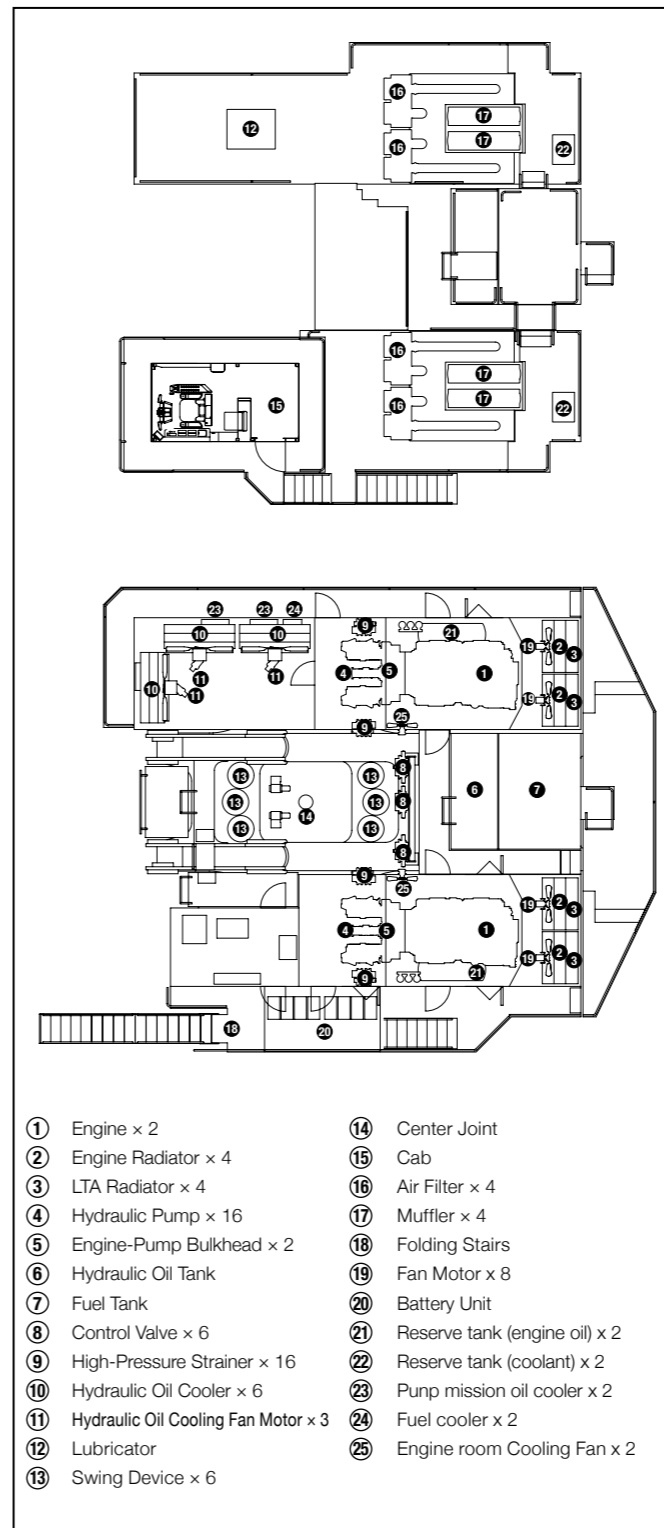
### UPPERSTRUCTURE

#### 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 layout of deck machinery. Folding stairs provides easy access to the deck machinery. And also the side walk provides easy access to engines, hydraulic and electrical components.



### Swing Device

6 high-torque, axial-piston motors with two-stage planetary gear bathed in oil. Swing circle with dirt seals is a heavy-duty, triple-row, cylindrical roller bearing. Induction-hardened internal swing circle gear and pinion immersed in lubricant. Parking brake of spring-set/hydraulic-released disc type. This parking brake is manually releasable.

Swing speed ..... 3.2 min<sup>-1</sup> (rpm)

### Operator's Cab

The sturdy cab, with the top guard conforming to OPG Level II (ISO), helps protect the operator from falling objects.  
1 800 mm width, 3 360 mm length, 2 150 mm height, roomy cab with tinted-glass windows features all-round visibility.  
Multi-Display (color LCD 10.5 inch) for centralized information of machine status. Color monitor cameras for rear, right side, left lower views.  
Pressurized 3 air conditioning system.

Noise level ..... 75 dB(A) in the cab; on max. engine speed under no-load condition.

Eye level height ..... 9 000 mm

# SPECIFICATIONS

EX8000-6

## UNDERCARRIAGE

### Tracks

Shovel-type undercarriage. Dual-flanged-type bolt linkage for side frame and X-form center 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 drive tumblers with floating seals. Specially heat-treated connection pins. Hydraulic track adjuster provided with N2 gas accumulator with relief valve. Track adjuster provided with protection device against abnormal tension. Travel motion alarm device.

### Shovel-type Undercarriage

Triple grouser shoes specially heat treated cast steel.

Shoe width ..... 1 850 mm

### Numbers of Rollers and Shoes (Each Side)

Upper rollers ..... 3

Lower rollers ..... 7

Track shoes ..... 39

### Travel Device

Each track driven by high-torque, axial piston motors, allowing counter rotation of tracks. 2-stage planetary gear plus spur gears reduction device. Dual-support-type traction device. Parking brake of spring-set/hydraulic-released disc type. This parking brake can be manually releasable.

Travel speeds ..... High : 0 to 2.0 km/h  
Low : 0 to 1.4 km/h

Maximum traction force ..... 3 000 kN (306 000 kgf)

Gradeability ..... 60 % (30 degree) max.

## WEIGHTS AND GROUND PRESSURE

### Loading Shovel

Equipped with 40.0 m<sup>3</sup> (heaped) bottom dump bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grousers	1 850 mm	811 000 kg	244 kPa (2.49 kgf/cm <sup>2</sup> )

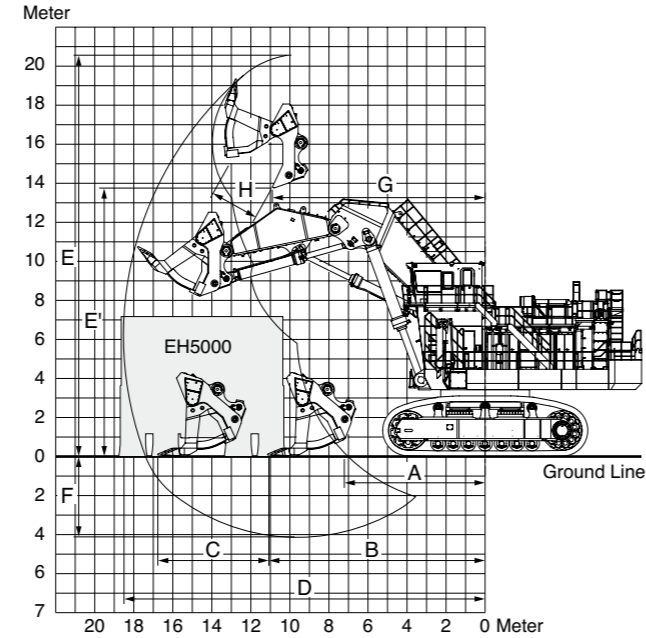
## SERVICE REFILL CAPACITIES

	liters	
Fuel tank	14 900	
Engine coolant	2 x 614	
Engine oil	Engine oil pan	2 x 260
	Reserve tank	2 x 280
Pump transmission device	2 x 62	
Swing device	6 x 75	
Hydraulic system	9 700	
Hydraulic oil tank	3 890	
Travel device	2 x 490	

## LOADING SHOVEL ATTACHMENTS

Boom and arm are of all-welded, low-stress, high-tensile strength steel full-box section design.

## WORKING RANGES



Unit: mm

A	Min. digging distance	7 200
B	Min. level crowding distance	11 100
C	Level crowding distance	5 600
D	Max. digging reach	18 500
E	Max. cutting height	20 500
E'	Max. dumping height	13 800
F	Max. digging depth	4 100
G	Working radius at max. dumping height	10 900
H	Max. bucket opening width	2 800
	Crowding force	2 870 kN (293 000 kgf)
	Breakout force	2 230 kN (227 000 kgf)

### Bucket (heaped)

Capacity	Width	No. of teeth	Weight	Type
40.0 m <sup>3</sup>	5 600 mm	6	62 500 kg	Bottom dump type general purpose

# EQUIPMENT

## STANDARD EQUIPMENT

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

### ENGINE

- 140 A alternator
- Heavy-duty type air cleaner with dust ejector
- Cartridge-type engine oil filter
- Cartridge-type engine oil bypass filter
- Cartridge-type fuel filter
- Water filter
- Fan guard
- Isolation-mounted engine
- Pre-lubrication system
- Auto-idle system
- Emergency engine stop system
- Hydraulic drive cooling-fan system
- Engine oil reserve system
- Engine room cooling fan

### HYDRAULIC SYSTEM

- E-P control system
- I-OHS(Integrated Optimum Hydraulic System)
- FPS(Fuel-saving Pump System)
- Hydraulic drive cooling-fan system
- Forced-lubrication and forced cooling pump drive system
- Control valve with main relief valve
- Suction filter
- Full-flow filter
- Bypass filter
- Pilot filter
- Drain filter
- High-pressure strainer

### CAB

- The sturdy cab, with the top guard conforming to OPG Level II (ISO), helps protect the operator from falling objects.
- All-weather sound-suppressed steel integrated cab.
- Fluid-filled elastic mounts.
- Laminated glass windshield.
- Reinforced/tinted(green color)glass side windows.
- Parallel-link-type intermittent windshield wiper.
- Front windshield washer.
- Main-display with various meters, pilot indicators, and warning indicators.
- Air suspension seat with automatic weight adjusting function.
- Wrist control type electric lever with hight adjusting function.
- Electric travel pedals.
- Electric bucket open/close pedals.
- LED type room lamps.
- Footrest.
- Air horn with electric compressor.
- Auto-tuning AM-FM radio with digital clock.
- Seat belt.
- Hot&cool-box.
- Utility space 1 100 mm × 1 800 mm

- Floor mat.
- Air conditioner with defroster.
- Rearview mirror.
- Evacuation hammer.
- Emergency escape device.
- Trainer's seat.
- Pilot control shut-off lever.

### MONITOR SYSTEM

Meters, pilot indicators, and warning indicators are displayed on the main display.

- Meters:
  - Coolant temperature gauge
  - Tachometer
  - Engine oil pressure gauge
  - Engine oil temperature gauge
  - Hour meter
  - Fuel gauge
  - Battery voltage gauge
  - Hydraulic oil temperature gage
  - Ambient temperature
- Pilot indicator (Green):
  - Coolant level check
  - Engine oil level (oil pan) check
  - Engine oil level (reserve tank) check
  - Hydraulic oil level check
  - Prelub
  - Auto-lubrication
  - Auto-idle
  - Travel mode

- Warning indicator (Red):
  - Alternator
  - Pump transmission oil level
  - Engine stop
  - Engine oil pressure
  - Coolant overheat
  - Coolant level
  - Engine over run
  - Fuel temperature
  - Exhaust temperature
  - Hydraulic oil level
  - Auto-lubrication
  - Stop valve
  - Electric lever
  - Fast-filling
  - Emergency engine stop
  - Tension

- Warning indicator (Yellow):
  - Engine oil pressure
  - Coolant overheat
  - Coolant level
  - Fuel temperature
  - Engine warning
  - Exhaust temperature
  - Air cleaner restriction
  - Stairway position
  - Hydraulic oil overheat
  - Pump contamination
  - Electrical equipment box

- Alarm buzzers
  - Pump transmission oil level
  - Hydraulic oil level
  - Stop valve
  - Electric lever
  - Fast-filling
  - Stairway position

### DATA LOGGING SYSTEM

- DLU (Data-logging unit) continuously records performance of engine and hydraulic system. The record can be down-loaded dy PC and PDA.

### LIGHTS

- 12 High brightness working lights
- 4 entrance lights
- 12 maintenance lights

### UPPERSTRUCTURE

- Lockable machine covers
- 80 000 kg counterweight
- Hydraulic drive grease gun with hosereel
- Swing parking brake
- Electric oil pump to draw hydraulic oil from suction and return pipe lines
- Folding stairs for going up and down

### UNDERCARRIAGE

- Travel parking brake
- Travel motion alarm device
- Hydraulic track adjuster with N2gas accumulator and relief valve
- 1 850 mm triple grouser shoes
- Single-frange rollers

### MISCELLANEOUS

- Standard tool kit
- Stairs and handrails (Meeting ISO)
- Recirculation air filter for air conditioner
- Ventilation air aliter for air conditioner
- 12 V power terminal board
- Stop valve for transport and reassembly
- Auto-lubrication system (Lincoln) for front-attachment pins, swing bearing and center joint.

### FAST-FILLING SYSTEM

- Fast-filling system (Wiggins) for fuel, hydraulic oil, coolant, swing device oil, pump mission oil, engine oil, and grease (couplers not included)

## OPTIONAL EQUIPMENT

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

- Upper slider
- Travel motor guard
- Travel device guard
- Electric crane (24 V DC)

- Fast-filling couplers
- Satellite data transmitting system
- Additional air horn (Right side)
- Grease tank transfer (Oil cooler room)
- Color monitor cameras for rear, right side, left lower views.

# SPECIFICATIONS

## EX8000E-6

### ELECTRIC MOTOR

High Voltage, Three Phase, Squirrel Cage Induction Motor, Totally Enclosed Air-to-Air-Cooled (TEAAC).

Type .....	HITACHI TFOA-KK
Rating	
Rated continuous output .....	1 200 kW x 2
Voltage .....	AC 6 000 - 6 600 V / 50 Hz AC 6 600 - 6 900 V / 60 Hz
Number of poles .....	4
Synchronous RPM .....	1 500 min <sup>-1</sup> / 50 Hz 1 800 min <sup>-1</sup> / 60 Hz
Rated current .....	124 A x 2 @6 600 V
Insulation class .....	F class B raise
Space heater included.	
Thermo-guard (temperature detector)	
Starting condition .....	Reactor 50 % tap

### HYDRAULIC SYSTEM

- I-OHS (Integrated Optimum Hydraulic System)  
16 main pumps and 6 control valves and 2 set of flow-assisting valves enable both independent and combined operations of all functions.
- Hydraulic drive cooling-fan system for oil cooler.
- Hydraulic drive cooling-fan system for radiator.
- Forced-lubrication and forced-cooling pump drive system.

Main pumps .....	16 variable-displacement, axial piston pumps for front attachment, travel and swing
Pressure setting .....	29.4 MPa (300 kgf/cm <sup>2</sup> )
Max.oil flow .....	16 x 500 L/min
Pilot pump .....	2 gear pump
Pressure setting .....	4.4 MPa (45 kgf/cm <sup>2</sup> )
Max.oil flow.....	2 x 110 L/min

### Relief Valve Settings

Implement circuit .....	29.4 MPa (300 kgf/cm <sup>2</sup> )
Swing circuit .....	29.4 MPa (300 kgf/cm <sup>2</sup> )
Travel circuit .....	29.4 MPa (300 kgf/cm <sup>2</sup> )
Pilot circuit .....	4.4 MPa ( 45 kgf/cm <sup>2</sup> )

### Hydraulic Cylinders

High-strength piston rods and tubes adopted. Cylinder cushion mechanisms are provided for boom, arm, bucket and dump cylinders. Stroke-end control system is provided for arm, bucket cylinders. Bucket cylinder is provided with protector.

### Cylinder Dimensions Loading shovel

	Quan.	Bore	Rod diameter
Boom	2	480 mm	340 mm
Arm	2	390 mm	270 mm
Bucket	2	390 mm	270 mm
Dump	2	310 mm	180 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	10	10 μm
High pressure strainer (In main & swing pump delivery line)	16	80 meshes
Drain filter (For all plunger type pumps & motors)	1	10 μm
By-pass filter (In oil cooler by-pass line)	1	5 μm
Pilot filter	2	10 μm

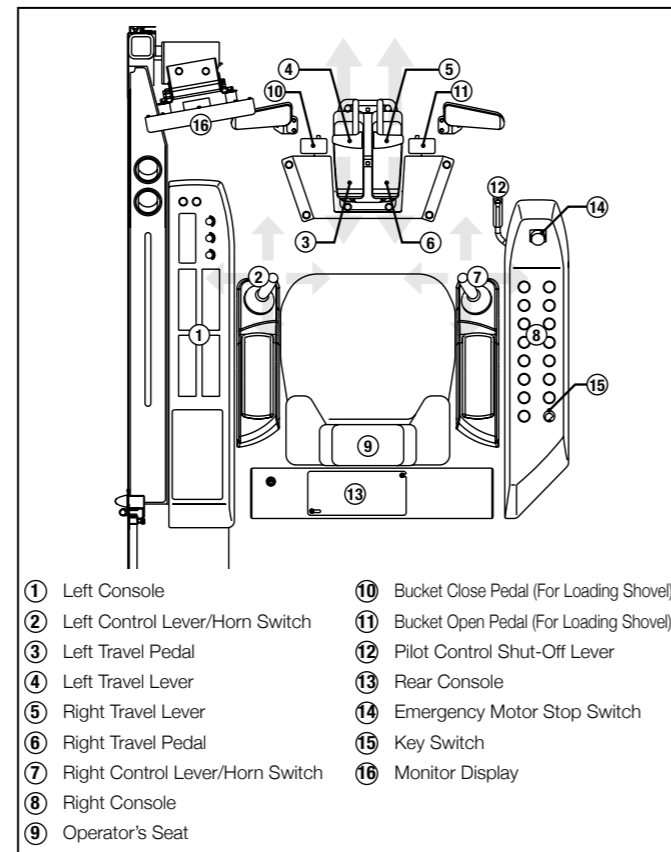
### CONTROLS

#### 2 Implement Levers

Electric joystick control levers. Right lever is for boom and bucket control, left lever for swing and arm control.  
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.



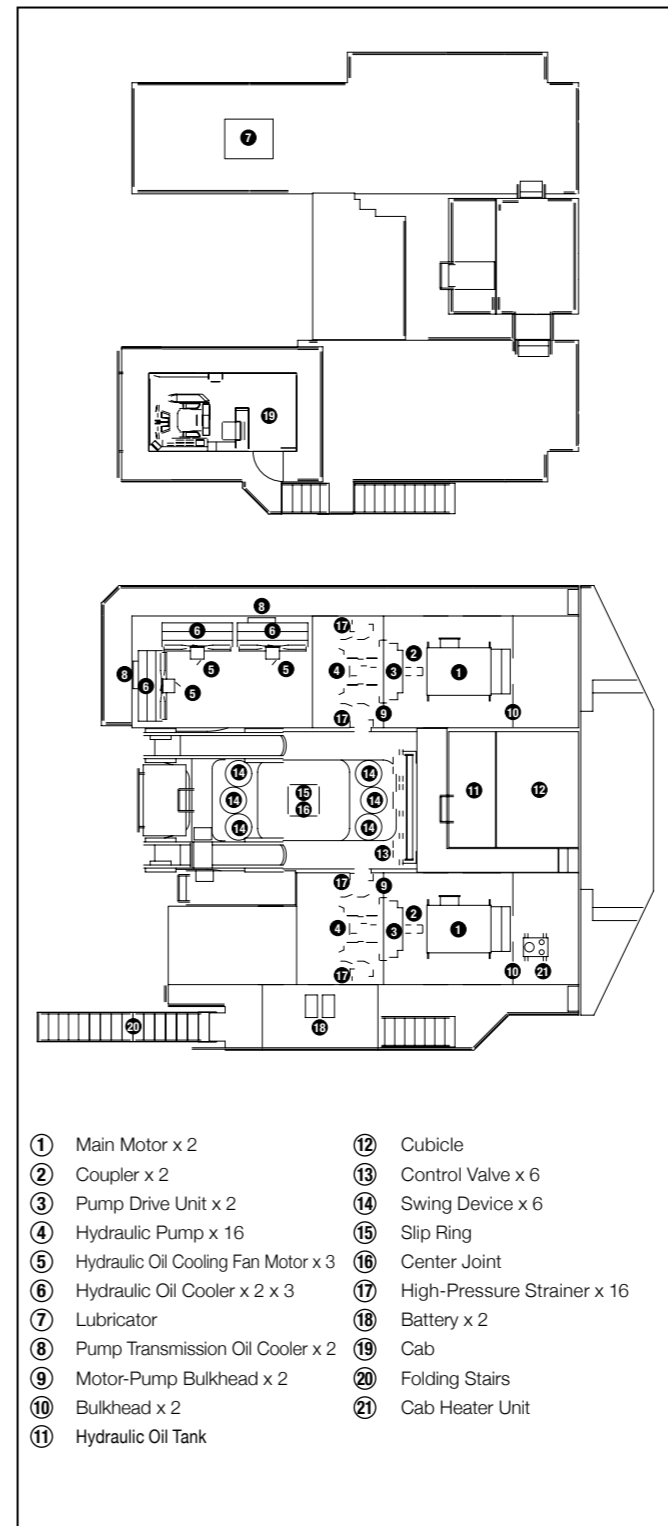
### UPPERSTRUCTURE

#### 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 layout of deck machinery. Folding stairs provides easy access to the deck machinery. And also the side walk provides easy access to motors, hydraulic and electrical components.



### Swing Device

6 high-torque, axial-piston motors with two-stage planetary gear bathed in oil. Swing circle with dirt seals is a heavy-duty, triple-row, cylindrical roller bearing. Induction-hardened internal swing circle gear and pinion immersed in lubricant. Parking brake of spring-set/hydraulic-released disc type. This parking brake is manually releasable.  
Swing speed ..... 2.9 min<sup>-1</sup> (rpm)

### Operator's Cab

The sturdy cab, with the top guard conforming to OPG Level II (ISO), helps protect the operator from falling objects.  
1 800 mm width, 3 360 mm length, 2 150 mm height, roomy cab with tinted-glass windows features all-round visibility.  
Multi-Display (color LCD 10.5 inch) for centralized information of machine status. Color monitor cameras for rear, right side, left lower views.  
Pressurized 3 air conditioning system.  
Eye level height ..... 9 000 mm

# SPECIFICATIONS

EX8000E-6

## UNDERCARRIAGE

### Tracks

Shovel-type undercarriage. Dual-flanged-type bolt linkage for side frame and X-form center 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 drive tumblers with floating seals. Specially heat-treated connection pins. Hydraulic track adjuster provided with N2 gas accumulator with relief valve. Track adjuster provided with protection device against abnormal tension. Travel motion alarm device.

### Shovel-type Undercarriage

Triple grouser shoes specially heat treated cast steel.

Shoe width ..... 1 850 mm

### Numbers of Rollers and Shoes (Each Side)

Upper rollers ..... 3

Lower rollers ..... 7

Track shoes ..... 39

### Travel Device

Each track driven by high-torque, axial piston motors, allowing counter rotation of tracks. 2-stage planetary gear plus spur gears reduction device. Dual-support-type traction device. Parking brake of spring-set/hydraulic-released disc type. This parking brake can be manually releasable.

Travel speeds ..... High : 0 to 1.9 km/h  
Low : 0 to 1.3 km/h

Maximum traction force ..... 3 000 kN (306 000 kgf)

Gradeability ..... 60 % (30 degree) max.

## WEIGHTS AND GROUND PRESSURE

### Loading Shovel

Equipped with 40.0 m<sup>3</sup> (heaped) bottom dump bucket.

Shoe type	Shoe width	Operating weight	Ground pressure
Triple grousers	1 850 mm	804 000 kg	242 kPa (2.47 kgf/cm <sup>2</sup> )

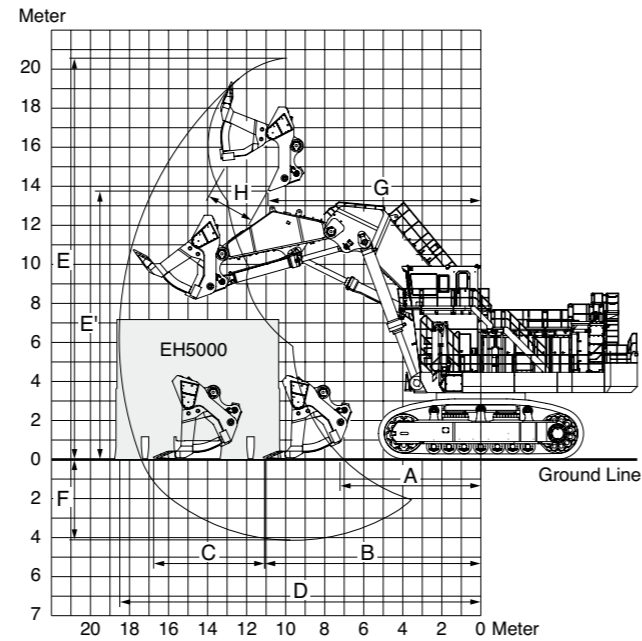
## SERVICE REFILL CAPACITIES

	liters
Pump transmission device	2 x 62
Swing device	6 x 75
Hydraulic system	9 700
Hydraulic oil tank	3 890
Travel device	2 x 490

## LOADING SHOVEL ATTACHMENTS

Boom and arm are of all-welded, low-stress, high-tensile strength steel full-box section design.

## WORKING RANGES



	Unit: mm
A Min. digging distance	7 200
B Min. level crowding distance	11 100
C Level crowding distance	5 600
D Max. digging reach	18 500
E Max. cutting height	20 500
E' Max. dumping height	13 800
F Max. digging depth	4 100
G Working radius at max. dumping height	10 900
H Max. bucket opening width	2 800
Crowding force	2 870 kN (293 000 kgf)
Breakout force	2 230 kN (227 000 kgf)

### Bucket (heaped)

Capacity	Width	No.of teeth	Weight	Type
40.0 m <sup>3</sup>	5 600 mm	6	62 500 kg	Bottom dump type general purpose

# EQUIPMENT

## STANDARD EQUIPMENT

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

### ELECTRIC MOTOR

- Space heater included
- Thermo-guard (temperature detector)

### HYDRAULIC SYSTEM

- I-OHS(Integrated Optimum Hydraulic System)
- Hydraulic drive cooling-fan system
- Forced-lubrication and forced cooling pump drive system
- Control valve with main relief valve
- Suction filter
- Full-flow filter
- Bypass filter
- Pilot filter
- Drain filter
- High-pressure strainer

### CAB

- The sturdy cab, with the top guard conforming to OPG Level II (ISO), helps protect the operator from falling objects.
- All-weather sound-suppressed steel integrated cab.
- Fluid-filled elastic mounts.
- Laminated glass windshield.
- Reinforced/tinted(green color)glass side windows.
- Parallel-link-type intermittent windshield wiper.
- Front windshield washer.
- Main-display with various meters, pilot indicators, and warning indicators.
- Air suspension seat with automatic weight adjusting function.
- Wrist control type electric lever with hight adjusting function.
- Electric travel pedals.
- Electric bucket open/close pedals.
- LED type room lamps.
- Footrest.
- Air horn with electric compressor.
- Auto-tuning AM-FM radio with digital clock.
- Seat belt.
- Hot&cool-box.
- Utility space 1 100 mm x 1 800 mm
- Floor mat.
- Air conditioner with defroster.
- Color monitor cameras for rear, right side, left lower views.
- Rearview mirror.
- Evacuation hammer.
- Emergency escape device.
- Trainer's seat.
- Pilot control shut-off lever.

### MONITOR SYSTEM

- Meters:
  - Hour Meter
  - Main Motor Coil Temperature Gauge (R)
  - Main Motor Coil Temperature Gauge (L)
  - Main Motor Ammeter (R)
  - Main Motor Ammeter (L)
  - Main Motor Voltmeter (R)
  - Main Motor Voltmeter (L)
  - Clock
  - Battery Voltage Gauge
  - Hydraulic Oil Temperature Gauge
  - Ambient Temperature

- Pilot lamps (Green):
  - Main Motor Run (R)
  - Main Motor Run (L)
  - Travel Mode

- Warning lamps: (Red):
  - Pump Transmission Oil Level (R)
  - Pump Transmission Oil Level (L)
  - AC6600V Power Source Cubicle Box
  - Hydraulic Oil Level
  - Auto-Lubrication Stop Valve
  - 3E Relay (R)
  - 3E Relay (L)
  - Main Motor Overheat (R)
  - Main Motor Overheat (L)
  - Main Motor Start Congestion (R)
  - Main Motor Start Congestion (L)
  - AC210V Power Source Battery Charge
  - Electric Lever
  - Emergency Motor Stop Tension
  - Cable Drum

- Warning lamps: (Yellow):
  - Electrical Equipment Box Stairway Position
  - Hydraulic Oil Overheat
  - Pump Contamination
  - Cab.heator

- Warning lamps: (Amber):
  - Fast-Filling

- Alarm buzzers:
  - AC6600V Power Source Cubicle Box
  - Hydraulic Oil Level
  - Stop Valve
  - Stairway Position
  - Pump Transmission Oil Level (R)-(L)
  - 3E Relay (R)-(L)
  - Main Motor Overheat (R)-(L)
  - Main Motor Start Congestion (R)-(L)
  - AC210V Power Source
  - Electric Lever
  - Cable Drum
  - Fast-Filling

### DATA LOGGING SYSTEM

- DLU (Data-logging unit) continuously records performance of the hydraulic system. The record can be down-loaded dy PC and PDA.

### LIGHTS

- 12 High brightness working lights
- 4 entrance lights
- 12 maintenance lights

### UPPERSTRUCTURE

- Lockable machine covers
- 80 000 kg counterweight
- Hydraulic drive grease gun with hosereel
- Swing parking brake
- Electric oil pump to draw hydraulic oil from suction and return pipe lines
- Folding stairs for going up and down

### UNDERCARRIAGE

- Travel parking brake
- Travel motion alarm device
- Hydraulic track adjuster with N2gas accumulator and relief valve
- 1 850 mm triple grouser shoes
- Single-frange rollers

### MISCELLANEOUS

- Standard tool kit
- Stairs and handrails (Meeting ISO)
- Recirculation air filter for air conditioner
- Ventilation air ailter for air conditioner
- 12 V power terminal board
- Stop valve for transport and reassembly
- Auto-lubrication system (Lincoln) for front-attachment pins, swing bearing and center joint.

### FAST-FILLING SYSTEM

- Fast-filling system (Wiggins) for fuel, hydraulic oil, coolant, swing device oil, pump mission oil, engine oil, and grease (couplers not included)

## OPTIONAL EQUIPMENT

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

- Upper slider
- Travel device guard
- Electric crane (24 V DC)

- Fast-filling couplers
- Satellite data transmitting system
- Additional air horn (Right side)
- Grease tank transfer (Oil cooler room)

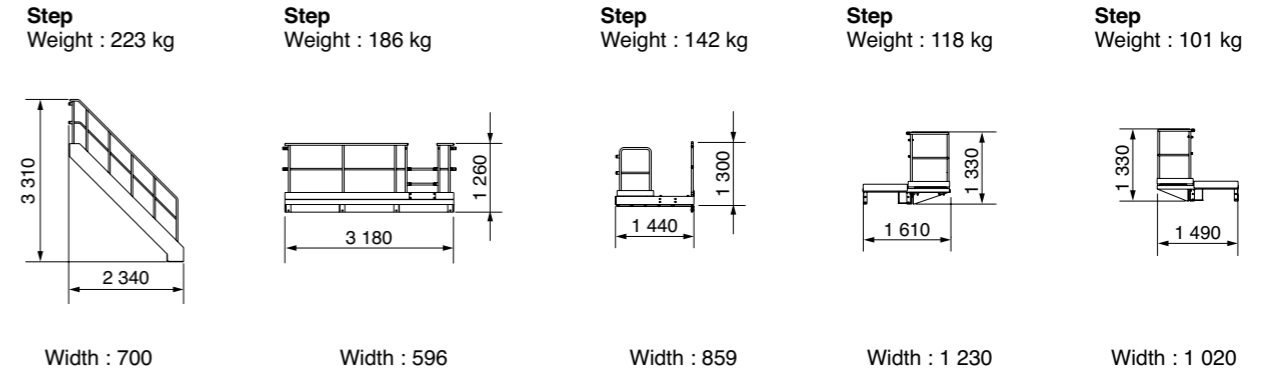
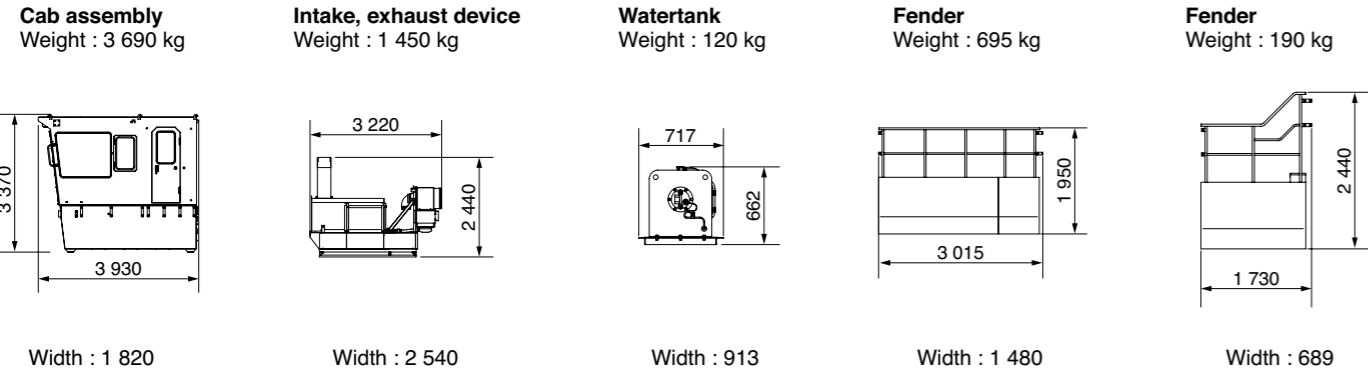
# TRANSPORTATION

Illustrations show diesel engine type.

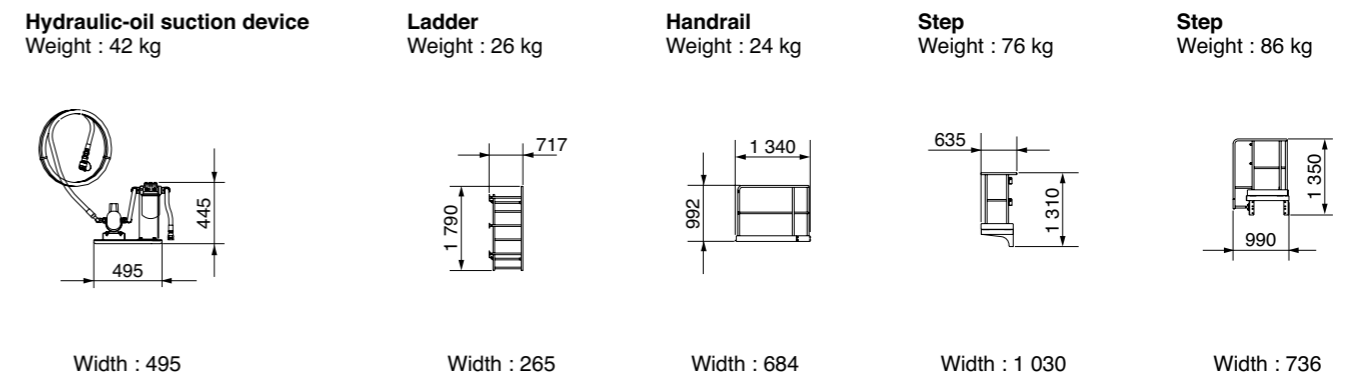
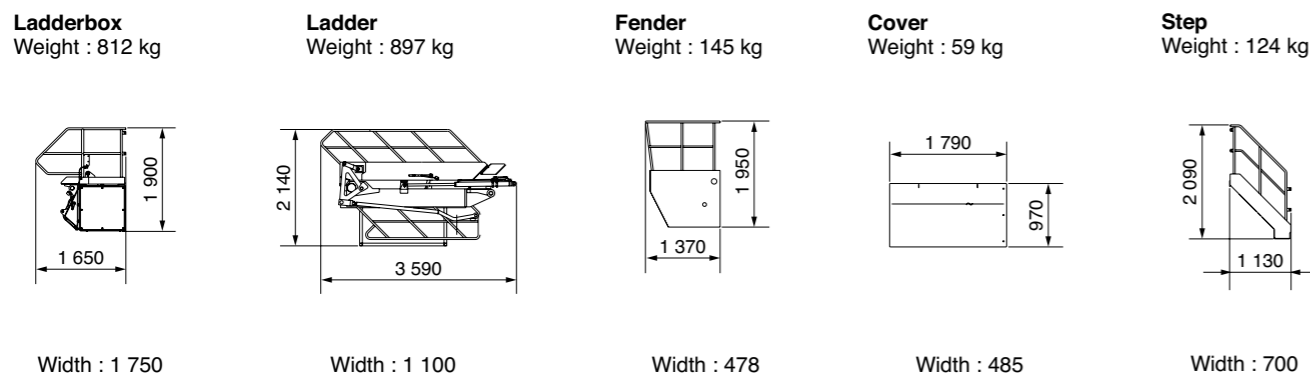
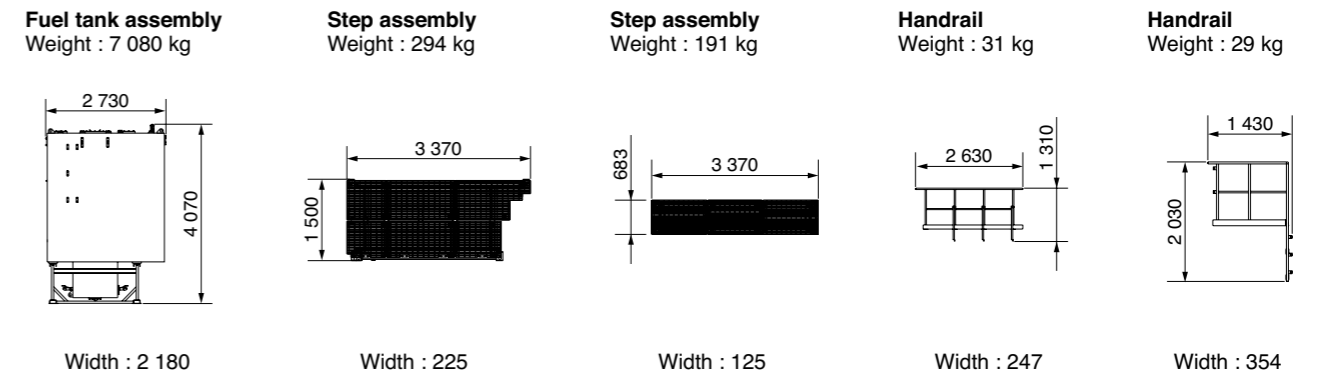
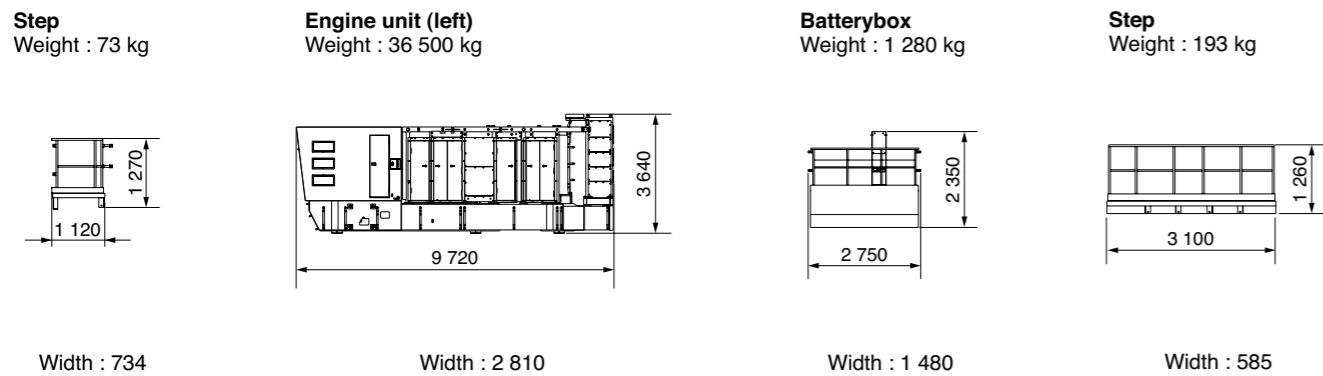
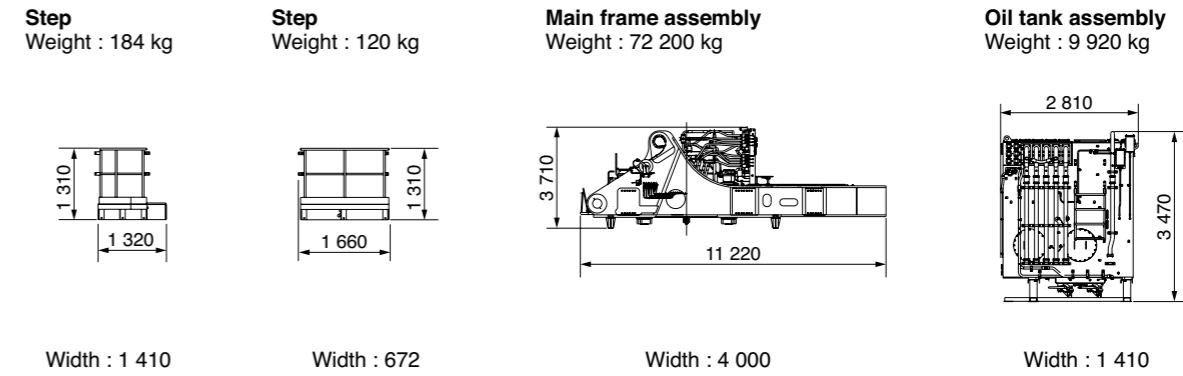
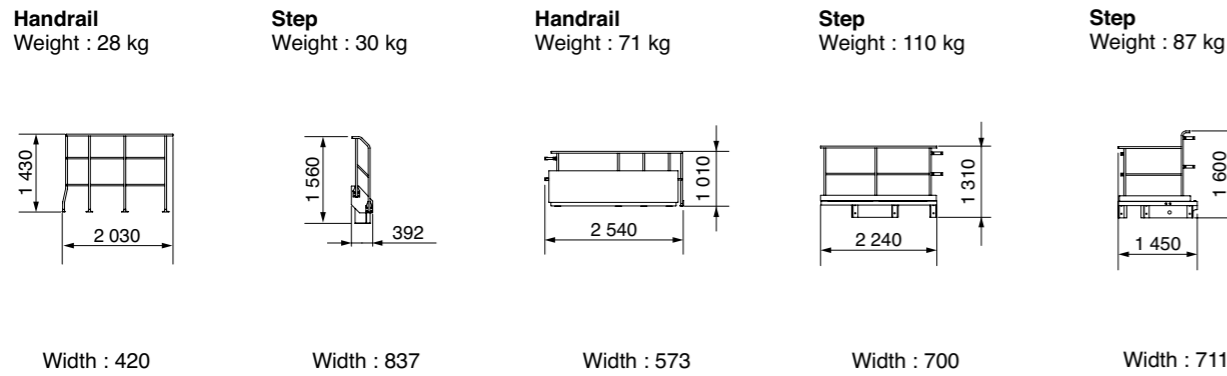
- Easily assembled owing to local assembling system requiring no welding.

## UPPERSTRUCTURE

Unit: mm



Unit: mm



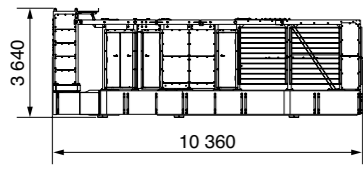
# TRANSPORTATION

## UPPERSTRUCTURE

Unit: mm

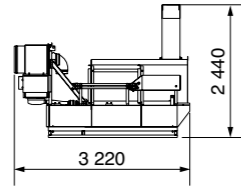
Unit: mm

**Engine unit (right)**  
Weight : 42 600 kg



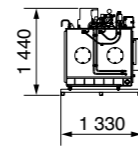
Width : 2 800

**Intake, exhaust device**  
Weight : 1 470 kg



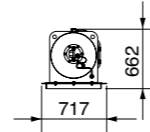
Width : 2 560

**Grease tank**  
Weight : 1 200 kg



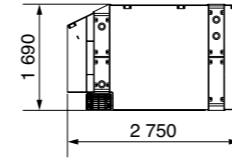
Width : 1 150

**Water tank**  
Weight : 120 kg



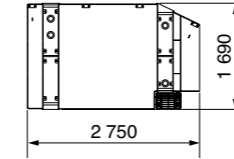
Width : 913

**Weight (right)**  
Weight : 9 950 kg



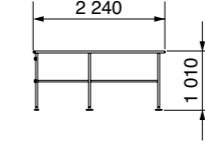
Width : 610

**Weight (left)**  
Weight : 9 950 kg



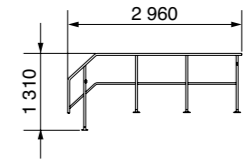
Width : 610

**Handrail**  
Weight : 19 kg



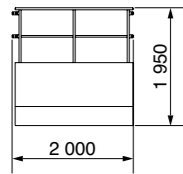
Width : 283

**Handrail**  
Weight : 26 kg



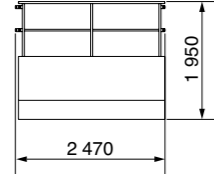
Width : 467

**Fender**  
Weight : 301 kg



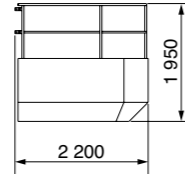
Width : 675

**Fender**  
Weight : 226 kg



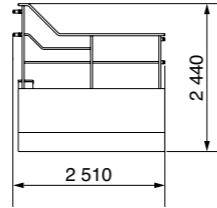
Width : 675

**Fender**  
Weight : 233 kg



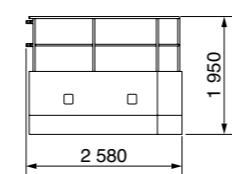
Width : 682

**Fender**  
Weight : 248 kg



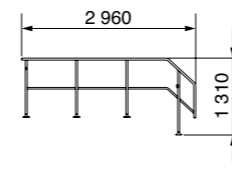
Width : 675

**Fender**  
Weight : 290 kg



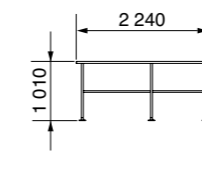
Width : 677

**Handrail**  
Weight : 27 kg



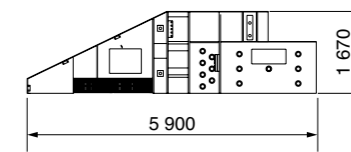
Width : 467

**Handrail**  
Weight : 19 kg



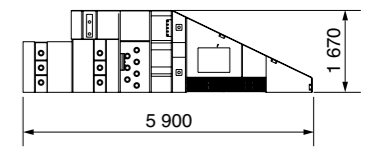
Width : 283

**Counter weight (right)**  
Weight : 29 500 kg



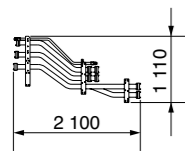
Width : 1 530

**Counter weight (left)**  
Weight : 29 500 kg



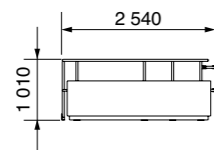
Width : 1 520

**Return piping assembly**  
Weight : 149 kg



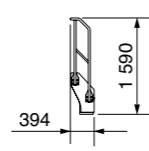
Width : 351

**Handrail**  
Weight : 71 kg



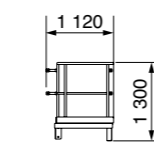
Width : 370

**Step**  
Weight : 61 kg



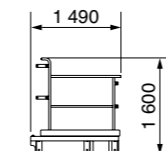
Width : 652

**Step**  
Weight : 73 kg



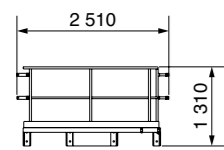
Width : 734

**Step**  
Weight : 87 kg



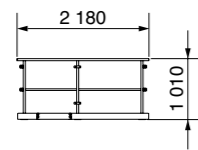
Width : 700

**Step**  
Weight : 127 kg



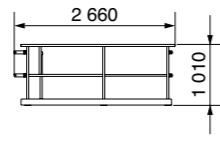
Width : 772

**Handrail**  
Weight : 28 kg



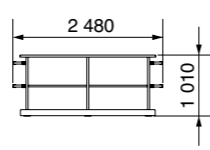
Width : 83

**Handrail**  
Weight : 35 kg



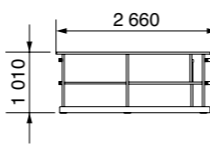
Width : 266

**Handrail**  
Weight : 30 kg



Width : 223

**Handrail**  
Weight : 34 kg



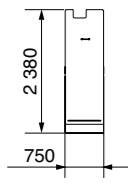
Width : 266

# TRANSPORTATION

## UNDERCARRIAGE

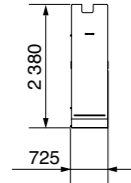
Unit: mm

**Cover**  
Weight : 69 kg



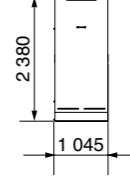
Width : 511

**Cover**  
Weight : 66 kg



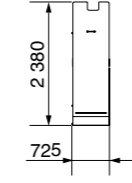
Width : 511

**Cover**  
Weight : 103 kg



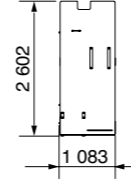
Width : 511

**Cover**  
Weight : 66 kg



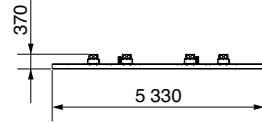
Width : 511

**Cover**  
Weight : 138 kg



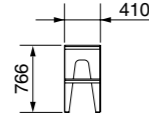
Width : 838

**Motor cover stay**  
Weight : 161 kg



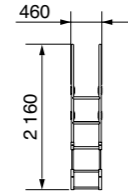
Width : 125

**Step**  
Weight : 35 kg



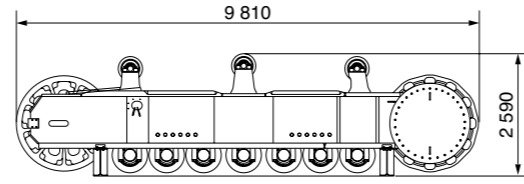
Width : 415

**Ladder**  
Weight : 26 kg



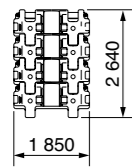
Width : 626

**Track side frames**  
Weight : 63 600 kg x 2



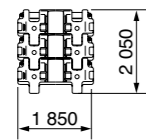
Width : 1 862

**Track links**  
Weight :  
A set : 5 860 kg x 18



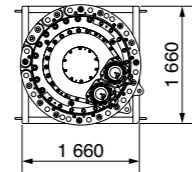
Width : 440

Weight :  
B set : 4 390 kg x 2



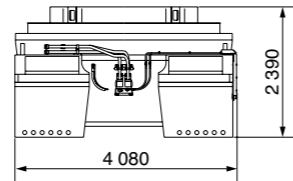
Width : 440

**Travel devices**  
Weight : 10 800 kg x 2



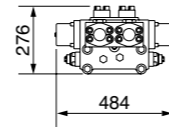
Width : 1 970

**Track frame assembly**  
Weight : 60 000 kg



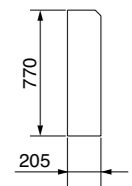
Width : 7 210

**Valve brakes**  
Weight : 60 kg x 4



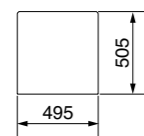
Width : 252

**Covers**  
Weight : 24 kg x 4



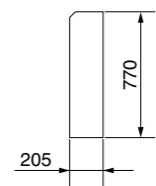
Width : 290

**Covers**  
Weight : 22 kg x 8



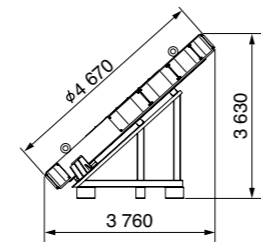
Width : 290

**Covers**  
Weight : 24 kg x 4



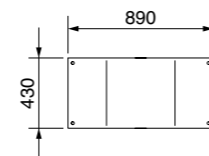
Width : 290

**Swing circle**  
Weight : 22 000 kg



Width : 4 670

**Covers**  
Weight : 22 kg x 4

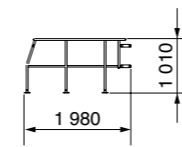


Width : 61

## LOADER ATTACHMENTS

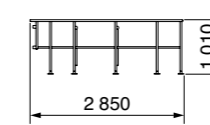
Unit: mm

**Handrail**  
Weight : 20 kg



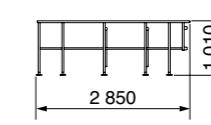
Width : 426

**Handrail**  
Weight : 33 kg



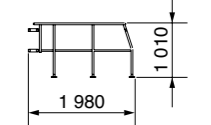
Width : 275

**Handrail**  
Weight : 33 kg



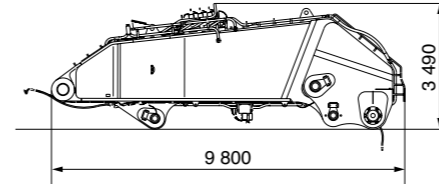
Width : 275

**Handrail**  
Weight : 20 kg



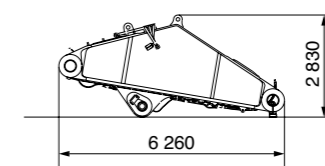
Width : 426

**Boom assembly**  
Weight : 57 200 kg



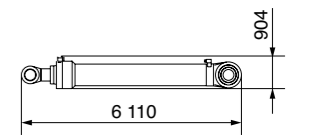
Width : 3 258

**Arm assembly**  
Weight : 31 100 kg



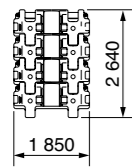
Width : 3 650

**Boom cylinders**  
Weight : 9 720 kg x 2



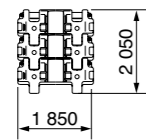
Width : 760

**Track links**  
Weight :  
A set : 5 860 kg x 18



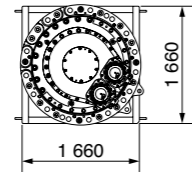
Width : 440

Weight :  
B set : 4 390 kg x 2



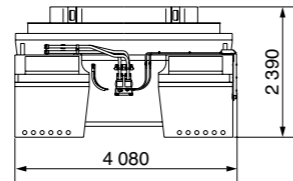
Width : 440

**Travel devices**  
Weight : 10 800 kg x 2



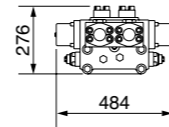
Width : 1 970

**Track frame assembly**  
Weight : 60 000 kg



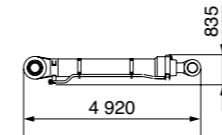
Width : 7 210

**Valve brakes**  
Weight : 60 kg x 4



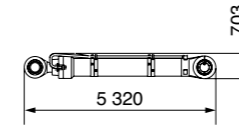
Width : 252

**Arm cylinders**  
Weight : 5 020 kg x 2



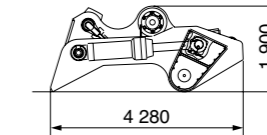
Width : 725

**Bucket cylinders**  
Weight : 55 300 kg x 2



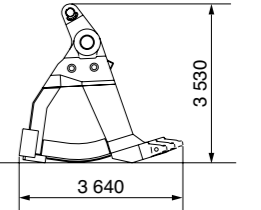
Width : 1 070

**Rear bucket assembly**  
Weight : 32 800 kg



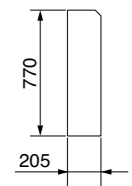
Width : 5 620

**Front bucket assembly**  
Weight : 25 900 kg



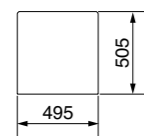
Width : 5 630

**Covers**  
Weight : 24 kg x 4



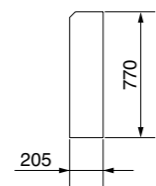
Width : 290

**Covers**  
Weight : 22 kg x 8



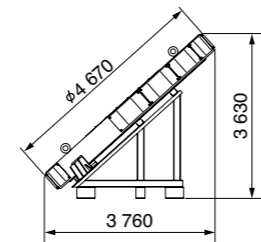
Width : 290

**Covers**  
Weight : 24 kg x 4



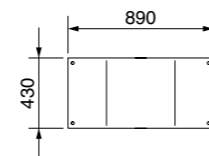
Width : 290

**Swing circle**  
Weight : 22 000 kg



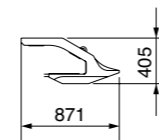
Width : 4 670

**Covers**  
Weight : 22 kg x 4



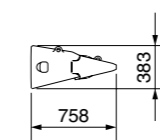
Width : 61

**Shrouds**  
Weight : 345 kg x 5



Width : 568

**Teeth**  
Weight : 352 kg x 6



Width : 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.

