

# ELECTRIC DRIVE

EX1900 / 2600 / 3600 / 5600 / 8000



## HYDRAULIC EXCAVATOR

Model Code: EX1900E-6 / EX2600E-6 / EX3600E-6 / EX5600E-6 / EX8000E-6

Power Output : EX1900E-6 : 610 kW      EX2600E-6 : 860 kW  
EX3600E-6 : 1 200 kW      EX5600E-6 : 2 x 860 kW  
EX8000E-6 : 2 x 1 200 kW

Operating Weight (Loading Shovel / Backhoe):

EX1900E-6 : 190 000 kg / 191 000kg  
EX2600E-6 : 248 000 kg / 250 000 kg  
EX3600E-6 : 353 000 kg / 350 000 kg  
EX5600E-6 : 527 000 kg / 531 000 kg  
EX8000E-6 : 808 000 kg / 820 000 kg

Loading Shovel Bucket: Heaped: EX1900E-6 : 8.8-12.0 m<sup>3</sup>  
EX2600E-6 : 15.0-16.5 m<sup>3</sup>  
EX3600E-6 : 21.0-23.0 m<sup>3</sup>  
EX5600E-6 : 27.0-29.0 m<sup>3</sup>  
EX8000E-6 : 40.0-43.0 m<sup>3</sup>

Backhoe Bucket: SAE,PCSA Heaped: EX1900E-6 : 12.0 m<sup>3</sup>  
EX2600E-6 : 17.0 m<sup>3</sup>  
EX3600E-6 : 22.0 m<sup>3</sup>  
EX5600E-6 : 34.0 m<sup>3</sup>  
EX8000E-6 : 43.0 m<sup>3</sup>

# The Zero-Emission Super-Giant Electric Excavators That Count on Mining Sites Where Low-Cost Electric Power is Available

The Hitachi super-giant electric excavator series, packed with leading-edge technologies, offers a host of advantages, including superior controllability, mobility, durability, maintainability and operator comfort, as well as low running costs.

The electric excavator is the cost-efficient, zero-emission alternative to the engine-driven excavator.

The Hitachi electric excavators are comprised of the proven devices : hydraulic system, undercarriage and front attachment common to the engine-driven excavators, enhancing touch operation and dependable servicing with high parts availability.

The Hitachi electric motors sustain tough mining operations, too.



## Outstanding Productivity

Page 4-5

- Large Bucket— Designed to enhance efficiency
- Profitable Excavation
- Efficient Level Crowding
- High Mobility
- Quick Assembly
- Refined Bucket Control
- Bucket Passes to Dump Truck



## High Durability

Page 6

- Rigid Box Design— Resists bending and twisting forces
- Center Track Frame— More strength for this key area
- Constant Correct Track Tension— Nitrogen gas accumulators absorb abnormal track tension
- High-Pressure Filter— Provides clean oil
- Rugged Track Links— Shoes include roller guides for extended service life (EX2600E-6 - EX8000E-6)



## Enhanced Operator Comfort

Page 7

- Rugged Comfortable Cab— Protects the operator from falling objects
- Efficient Cab Layout— All controls within natural reach of operator
- Intelligent Multi-Display Monitor provides machine data and operating status at a glance
- Outside Cameras (Optional)— Enhances operating safety



## Simplified Maintenance

Page 8

- Proven Hitachi Motors
- Engineless Design Means Low Maintenance Costs
- Oil-Filled Upper/Lower Rollers and Idlers
- Auto Lubrication System Eliminates the need for manual lubrication
- The Centralized Lubrication System: Fast Filling System
- Folding Stairs with Wide Steps

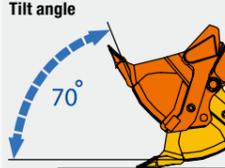
Note: Photos in this brochure may include optional equipment. They may also include custom-made options to meet specific user needs.



# Outstanding Productivity

## Large Bucket— Designed to enhance efficiency.

The large bucket has been shaped specifically to enhance scooping and loading operations. Its sharp tilt angle helps boost operating efficiency.



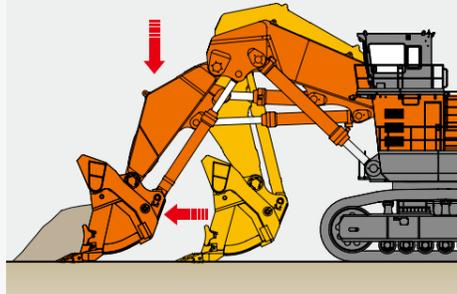
## Profitable Excavation

Bucket movement trace can be changed from under ground during excavation. There is no need for bucket repositioning and retraveling according to job requirements, boosting operating efficiency.



## Efficient Level Crowding

Level crowding is easy and efficient, without need for any assisting equipment for leveling. (EX1900E-6 - EX5600E-6)



## High Mobility

The undercarriage is designed for suitable travel speeds and lower ground pressure for quick job-to-job travel.

**Travel speeds (High / Low)**

- EX1900E-6..... 2.8 / 2.1 km/h
- EX2600E-6 ..... 2.2 / 1.5 km/h
- EX3600E-6 ..... 2.1 / 1.6 km/h
- EX5600E-6 ..... 2.3 / 1.6 km/h
- EX8000E-6 ..... 1.9 / 1.3 km/h

## Quick Assembly

The electric excavator is separated into sub-assemblies when shipped. At a job site, the electric excavator can be quickly assembled with less workforce and cranes, reducing preparation costs and time for earlier commissioning.



## Refined Bucket Control

Dumping angle of the bucket can be freely adjusted for efficient dumping. This reduces shocks to the dump body for longer service life and less repair costs.



## Bucket Passes to Dump Truck

The electric excavators are well matched with large-sized dump trucks for mining production.

	EH1700-3	EH3500ACII	EH4000ACII	EH5000AC-3
<b>Nominal Payload</b>	95.2 tonnes	168 tonnes	222 tonnes	296 tonnes
<b>EX1900E-6 Loading Shovel Bucket Capacity..... 11.0 m<sup>3</sup></b>	<b>5</b>	—	—	—
<b>EX2600E-6 Loading Shovel Bucket Capacity..... 15.0 m<sup>3</sup></b>	<b>3 or 4</b>	<b>6 or 7</b>	—	—
<b>EX3600E-6 Loading Shovel Bucket Capacity..... 21.0 m<sup>3</sup></b>	—	<b>4 or 5</b>	<b>6</b>	<b>8</b>
<b>EX5600E-6 Loading Shovel Bucket Capacity..... 29.0 m<sup>3</sup></b>	—	<b>3 or 4</b>	<b>4 or 5</b>	<b>6</b>
<b>EX8000E-6 Loading Shovel Bucket Capacity..... 40.0 m<sup>3</sup></b>	—	—	<b>3</b>	<b>4 or 5</b>



Note : This picture shows EX5600E-6.

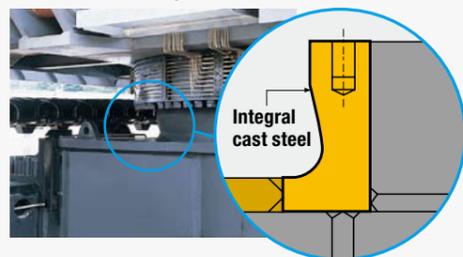
## High Durability

### Rigid Box Design— Resists bending and twisting forces.

Computer-assisted analysis was used to check that the frame box can withstand heavy-duty excavation work.

### Center Track Frame— More strength for this key area.

The center track frame of integral cast steel structure can avoid stress concentration, and increase reliability.



### Constant Correct Track Tension— Nitrogen gas accumulators absorb abnormal track tension.

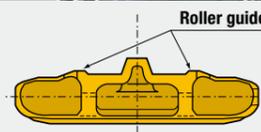
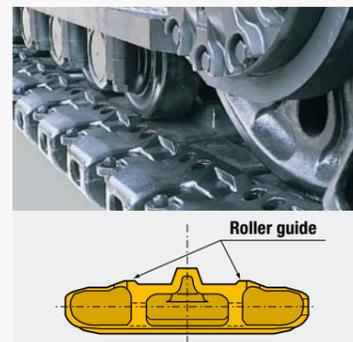
The accumulators help prevent abnormal track tension from causing damage. Travel is automatically stopped if accumulator pressure exceeds a preset level.

### High-Pressure Filter— Provides clean oil.

Hydraulic oil is filtered at high pressure to remove damage-causing contaminants. This filter is positioned down-line from the pumps to help prevent damage in the rare event of pump failure. Positioned for easy maintenance.

### Rugged Track Links— Shoes include roller guides for extended service life.

This design has proven itself on Hitachi's popular Giant EX Series. The roller guides have been added to help extend service life.



## Enhanced Operator Comfort

### Rugged Comfortable Cab— Protects the operator from falling objects.

Fluid filled elastic mounts help absorb vibration to provide durability and a comfortable ride. The OPG\* top guard level II (ISO) is provided on the cab roof.

\*Operator Protective Guard

### Efficient Cab Layout— All controls within natural reach of operator.

The ergonomic layout of the cab means the operator will do less stretching and reaching when operating the controls. This adds up to less operator fatigue and greater operating efficiency.

### Constant-Cab-Comfort Air Conditioner— Keeps the cab pressurized to keep out dust while maintaining comfortable temperature.

### Intelligent Multi-Display Monitor provides machine data and operating status at a glance.

The operator can monitor machine conditions and operating status with a 10.5-inch color LCD. The controller provides instant fault diagnosis through all sensors, displaying warnings and countermeasures if failure arises.

#### Major Functions:

- Multiple meters, and alert symbols indication
- Alert/failure status, and countermeasures indication
- Snap-shot function that stores operating data, including five minutes operating data immediately before alerting, and succeeding one-minute data (temperatures, pressures, and more)
- Setting oil change intervals with alerting

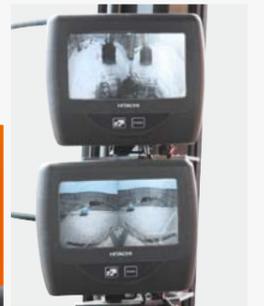
Much more functions are provided to ease maintenance and servicing.



\* Illustration shows a sample of the Emergency Switch.

### Outside Cameras (Optional)— Enhances operating safety.

The operator can monitor around the machine, using four optional cameras to eliminate blind spots.



Note : This picture shows a cab for EX5600E-6.



# SPECIFICATIONS

## EX2600E-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	860 kW
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	92 A @ 6 600 V
Insulation class	F class B raise

Space heater included.  
Thermo-guard (temperature detector)  
Starting condition ..... Reactor 50 % tap

### HYDRAULIC SYSTEM

Main pumps	6 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	4 X 375 L/min, 2 X 425 L/min

### UPPERSTRUCTURE

Swing speed	3.6 min <sup>-1</sup> (rpm)
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### UNDERCARRIAGE

Travel speeds	High: 0 to 2.2 km/h    Low: 0 to 1.5 km/h
Maximum traction force	1 330 kN (135 600 kgf)
Gradeability	58 % (30 degree) max.

### WEIGHTS AND GROUND PRESSURE

Loading Shovel  
Equipped with 15.0 m<sup>3</sup> (heaped) bottom dump bucket

Shoe width	Operating weight	Ground pressure
1 000 mm	248 000 kg	180 kPa (1.84 kgf/cm <sup>2</sup> )

Backhoe  
Equipped with 8.7 m boom, 3.9 m arm, and 17.0 m<sup>3</sup> (SAE, PCSA heaped) bucket

Shoe width	Operating weight	Ground pressure
1 000 mm	250 000 kg	182 kPa (1.86 kgf/cm <sup>2</sup> )

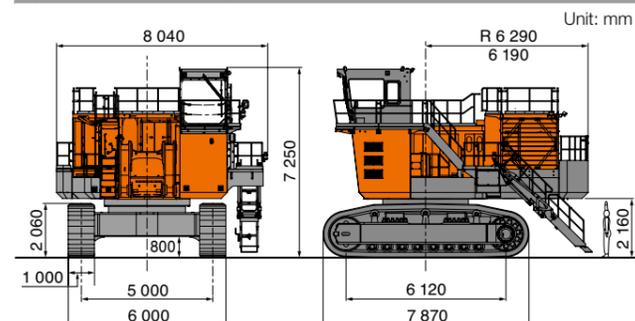
### ATTACHMENTS

Loading Shovel : Bucket Capacity (heaped)  
15.0 m<sup>3</sup> : Materials density 1 800 kg/m<sup>3</sup> or less  
16.5 m<sup>3</sup> : Materials density 1 600 kg/m<sup>3</sup> or less

Backhoe : Bucket Capacity (SAE, PCSA heaped)  
17.0 m<sup>3</sup> : Materials density 1 800 kg/m<sup>3</sup> or less

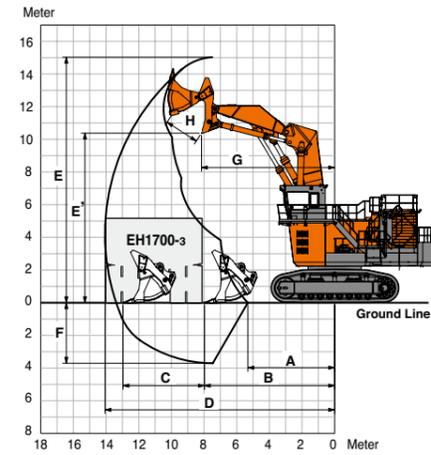
The number of wear plates and their installation positions on the bucket of loading shovel or backhoe vary depending on applications at job site. The installation of wear plates is indispensable.  
Consult your nearest Hitachi or Hitachi dealer for details.

### DIMENSIONS



### WORKING RANGES

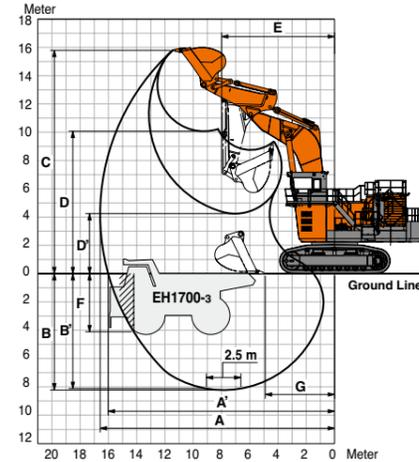
Loading Shovel



Unit: mm

Bucket capacity (heaped)	15.0 m <sup>3</sup>	16.5 m <sup>3</sup>
A Min. digging distance	5 340	5 200
B Min. level crowding distance	7 980	8 240
C Level crowding distance	4 980	4 960
D Max. digging reach	14 060	14 300
E Max. cutting height	15 010	15 250
E' Max. dumping height	10 350	10 350
F Max. digging depth	3 720	3 960
G Working radius at max. dumping height	8 140	8 140
H Max. bucket opening width	2 150	2 150
Arm crowding force on ground	918 kN (93 600 kgf)	907 kN (92 500 kgf)
Bucket digging force	943 kN (96 200 kgf)	873 kN (89 000 kgf)

Backhoe



Unit: mm

BE-boom length	8.7 m
BE-arm length	3.9 m
Bucket Capacity (SAE, PCSA heaped)	17.0 m <sup>3</sup>
A Max. digging reach	16 600
A' Max. digging reach (on ground)	16 050
B Max. digging depth	8 250
B' Max. digging depth (2.5 m level)	8 150
C Max. cutting height	15 800
D Max. dumping height	10 100
D' Min. dumping height	4 250
E Min. swing radius	7 990
F Max. vertical wall	4 110
G Min. level crowding distance	4 900
Bucket digging force	ISO 830 kN (84 600 kgf) SAE, PCSA 760 kN (77 500 kgf)
Arm crowd force	ISO 785 kN (80 000 kgf) SAE, PCSA 765 kN (78 000 kgf)

# SPECIFICATIONS

## EX3600E-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
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 @ 6 600 V
Insulation class	F class B raise

Space heater included.  
Thermo-guard (temperature detector)  
Starting condition ..... Reactor 50 % tap

### HYDRAULIC SYSTEM

Main pumps	8 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	8 x 500 L/min

### UPPERSTRUCTURE

Swing speed	2.9 min <sup>-1</sup> (rpm)
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### UNDERCARRIAGE

Travel speeds	High: 0 to 2.1 km/h    Low: 0 to 1.6 km/h
Maximum traction force	1 760 kN (179 500 kgf)
Gradeability	58 % (30 degree) max.

### WEIGHTS AND GROUND PRESSURE

Loading Shovel  
Equipped with 21.0 m<sup>3</sup> (heaped) bottom dump bucket

Shoe width	Operating weight	Ground pressure
1 270 mm	353 000 kg	185 kPa (1.89 kgf/cm <sup>2</sup> )

Backhoe  
Equipped with 9.6 m BE-boom, 4.5 m BE-arm and 22.0 m<sup>3</sup> (SAE, PCSA heaped) bucket

Shoe width	Operating weight	Ground pressure
1 270 mm	350 000 kg	184 kPa (1.88 kgf/cm <sup>2</sup> )

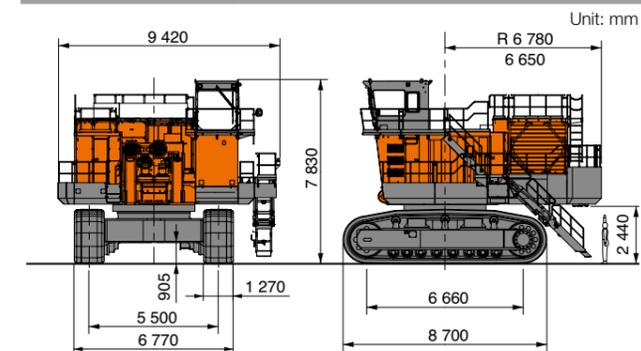
### ATTACHMENTS

Loading Shovel : Bucket Capacity (heaped)  
21.0 m<sup>3</sup> : Materials density 1 800 kg/m<sup>3</sup> or less  
23.0 m<sup>3</sup> : Materials density 1 600 kg/m<sup>3</sup> or less

Backhoe : Bucket Capacity (SAE, PCSA heaped)  
22.0 m<sup>3</sup> : Materials density 1 800 kg/m<sup>3</sup> or less

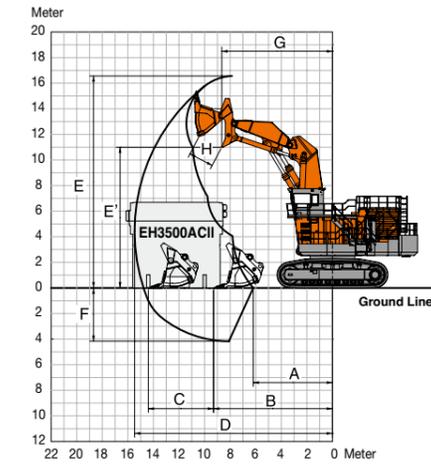
The number of wear plates and their installation positions on the bucket of loading shovel or backhoe vary depending on applications at job site. The installation of wear plates is indispensable.  
Consult your nearest Hitachi or Hitachi dealer for details.

### DIMENSIONS



### WORKING RANGES

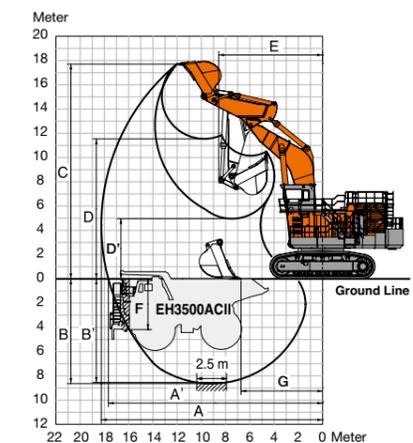
Loading Shovel



Unit: mm

Bucket Capacity (heaped)	21.0 m <sup>3</sup>	23.0 m <sup>3</sup>
A Min. digging distance	6 190	6 180
B Min. level crowding distance	9 300	9 360
C Level crowding distance	5 100	5 080
D Max. digging reach	15 470	15 550
E Max. cutting height	16 560	10 990
E' Max. dumping height	10 990	16 640
F Max. digging depth	4 160	4 250
G Working radius at max. dumping height	8 650	8 650
H Max. bucket opening width	1 950	1 950
Arm crowding force on ground	1 108 kN (113 000 kgf)	1 084 kN (111 000 kgf)
Bucket digging force	1 166 kN (119 000 kgf)	1 137 kN (116 000 kgf)

Backhoe



Unit: mm

BE-boom length	9.6 m
BE-arm length	4.5 m
Bucket Capacity (SAE, PCSA heaped)	22.0 m <sup>3</sup>
A Max. digging reach	18 240
A' Max. digging reach (on ground)	17 660
B Max. digging depth	8 630
B' Max. digging depth (2.5 m level)	8 540
C Max. cutting height	17 710
D Max. dumping height	11 540
D' Min. dumping height	4 960
E Min. swing radius	8 560
F Max. vertical wall	4 180
G Min. level crowding distance	6 720
Bucket digging force	ISO 1 050 kN (107 000 kgf) SAE, PCSA 932 kN (95 000 kgf)
Arm crowd force	ISO 951 kN (97 000 kgf) SAE, PCSA 922 kN (94 000 kgf)

# SPECIFICATIONS

## EX5600E-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	860 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	97 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

Main pumps	12 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	8 x 375 L/min, 4 x 425 L/min

### UPPERSTRUCTURE

Swing speed	3.0 min <sup>-1</sup> (rpm)
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### UNDERCARRIAGE

Travel speeds	High: 0 to 2.3 km/h Low : 0 to 1.6 km/h
Maximum traction force	2 230 kN (227 000 kgf)
Gradeability	58 % (30 degree) max.

### WEIGHTS AND GROUND PRESSURE

Loading Shovel  
Equipped with 29.0 m<sup>3</sup> (heaped) bottom dump bucket

Shoe width	Operating weight	Ground pressure
1 400 mm	527 000 kg	232 kPa (2.37 kgf/cm <sup>2</sup> )

Backhoe  
Equipped with 10.1 m BE-boom, 5.0 m BE-arm and 34.0 m<sup>3</sup> (SAE, PCSA heaped) bucket

Shoe width	Operating weight	Ground pressure
1 400 mm	531 000 kg	234 kPa (2.38 kgf/cm <sup>2</sup> )

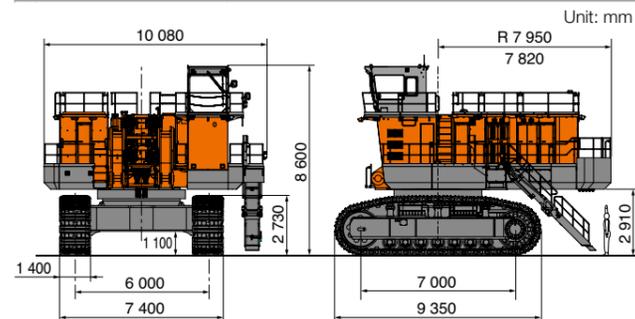
### ATTACHMENTS

Loading Shovel : Bucket Capacity (heaped)  
27.0 m<sup>3</sup> : Materials density 1 900 kg/m<sup>3</sup> or less  
29.0 m<sup>3</sup> : Materials density 1 800 kg/m<sup>3</sup> or less

Backhoe : Bucket Capacity (SAE, PCSA heaped)  
34.0 m<sup>3</sup> : Materials density 1 800 kg/m<sup>3</sup> or less

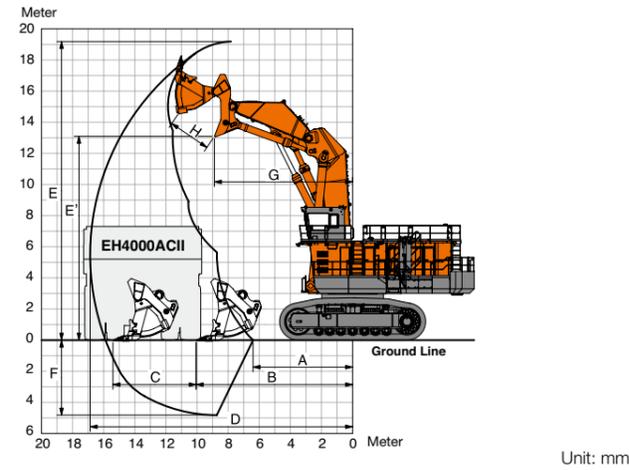
The number of wear plates and their installation positions on the bucket of loading shovel or backhoe vary depending on applications at job site. The installation of wear plates is indispensable.  
Consult your nearest Hitachi or Hitachi dealer for details.

### DIMENSIONS



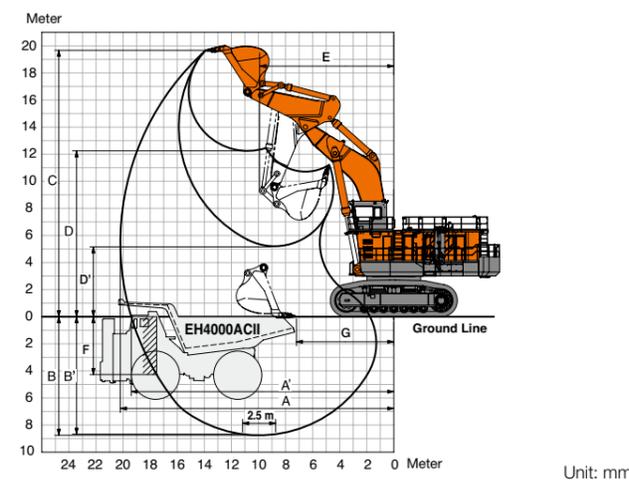
### WORKING RANGES

#### Loading Shovel



Parameter	27.0 m <sup>3</sup>	29.0 m <sup>3</sup>
A Min. digging distance	6 150	6 400
B Min. level crowding distance	9 800	10 050
C Level crowding distance	5 550	5 350
D Max. digging reach	16 600	17 000
E Max. cutting height	18 900	19 200
E' Max. dumping height	13 100	13 100
F Max. digging depth	4 550	4 800
G Working radius at max. dumping height	8 900	8 900
H Max. bucket opening width	2 700	2 700
Arm crowding force on ground	1 570 kN (160 000 kgf)	1 520 kN (155 000 kgf)
Bucket digging force	1 710 kN (174 000 kgf)	1 590 kN (162 000 kgf)

#### Backhoe



Parameter	Value
BE-boom length	10.1 m
BE-arm length	5.0 m
Bucket Capacity (SAE, PCSA heaped)	34.0 m <sup>3</sup>
A Max. digging reach	20 200
A' Max. digging reach (on ground)	19 400
B Max. digging depth	8 800
B' Max. digging depth (2.5 m level)	8 700
C Max. cutting height	19 700
D Max. dumping height	12 200
D' Min. dumping height	5 200
E Min. swing radius	9 900
F Max. vertical wall	4 300
G Min. level crowding distance	7 200
Bucket digging force (ISO)	1 480 kN (151 000 kgf)
Bucket digging force (SAE, PCSA)	1 370 kN (140 000 kgf)
Arm crowd force (ISO)	1 300 kN (133 000 kgf)
Arm crowd force (SAE, PCSA)	1 280 kN (131 000 kgf)

# 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

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

### UPPERSTRUCTURE

Swing speed	2.9 min <sup>-1</sup> (rpm)
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### UNDERCARRIAGE

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	58 % (30 degree) max.

### WEIGHTS AND GROUND PRESSURE

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

Shoe width	Operating weight	Ground pressure
1 850 mm	808 000 kg	243 kPa (2.48 kgf/cm <sup>2</sup> )

Backhoe  
Equipped with 11.5 m boom, 5.8 m arm, and 43.0 m<sup>3</sup> (SAE, PCSA heaped) Bucket.

Shoe width	Operating weight	Ground pressure
1 850 mm	820 000 kg	247 kPa (2.52 kgf/cm <sup>2</sup> )

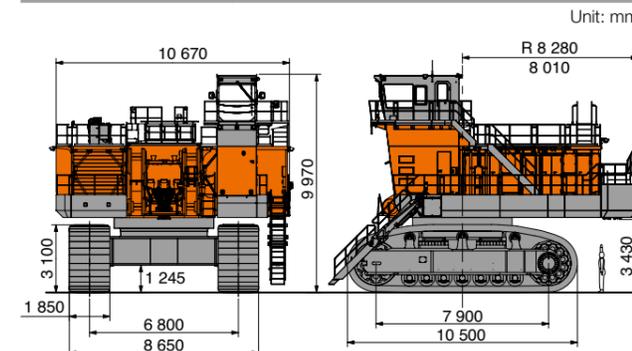
### ATTACHMENTS

Loading Shovel : Bucket Capacity (heaped)  
40.0 m<sup>3</sup> : Materials density 1 800 kg/m<sup>3</sup> or less  
43.0 m<sup>3</sup> : Materials density 1 600 kg/m<sup>3</sup> or less

Backhoe : Bucket Capacity (SAE, PCSA heaped)  
43.0 m<sup>3</sup> : Materials density 1 800 kg/m<sup>3</sup> or less

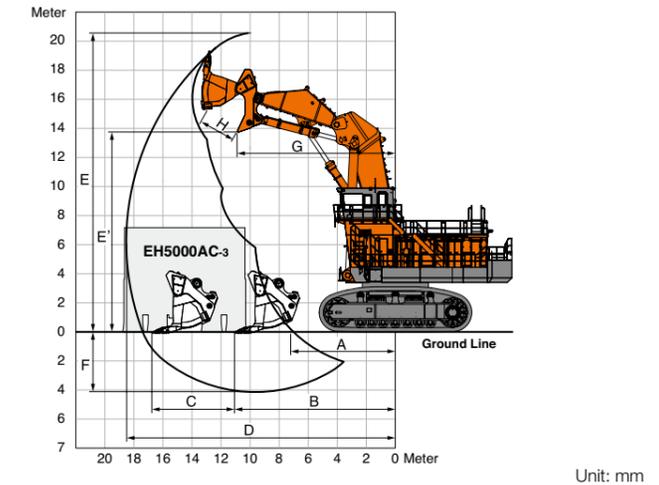
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### DIMENSIONS



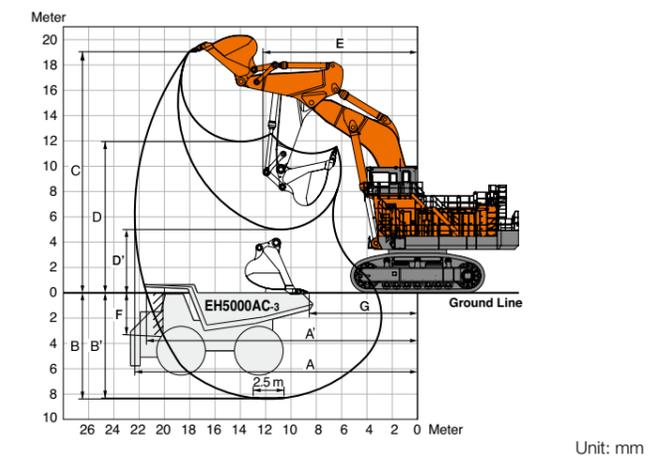
### WORKING RANGES

#### Loading Shovel



Parameter	Value
BE-Boom length	11.5 m
BE-Arm length	5.8 m
Bucket Capacity (SAE, PCSA heaped)	43.0 m <sup>3</sup>
A Max. digging reach	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
Arm crowding force on ground	2 870 kN (293 000 kgf)
Bucket digging force	2 400 kN (245 000 kgf)

#### Backhoe



Parameter	Value
BE-Boom length	11.5 m
BE-Arm length	5.8 m
Bucket Capacity (SAE, PCSA heaped)	43.0 m <sup>3</sup>
A Max. digging reach	22 300
A' Max. digging reach (on ground)	21 400
B Max. digging depth	8 400
B' Max. digging depth (2.5 m level)	8 300
C Max. cutting height	19 000
D Max. dumping height	11 900
D' Min. dumping height	5 000
E Min. swing radius	12 200
F Max. vertical wall	3 300
G Min. level crowding distance	8 600
Bucket digging force (ISO)	2 020 kN (206 000 kgf)
Bucket digging force (SAE, PCSA)	1 900 kN (193 400 kgf)
Arm crowd force (ISO)	1 770 kN (180 700 kgf)
Arm crowd force (SAE, PCSA)	1 750 kN (178 300 kgf)





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

## Hitachi Environmental Vision 2025

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

### Reducing Environmental Impact by New ZAXIS

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

\*Life Cycle Assessment – ISO 14040

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

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.