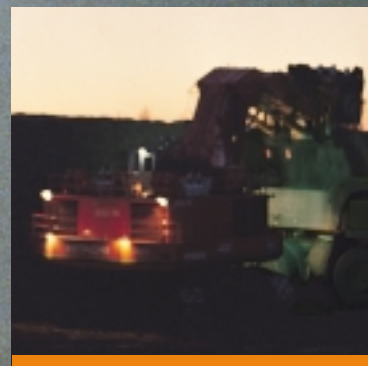


GIANT EX5500



■ Engine Gross Power

: 2 x 1 007 kW
(2 x 1 350 hp)

■ Operating Weight

Loading Shovel : 518 000 kg
(1 142 000 lb)

Backhoe : 518 000 kg
(1 142 000 lb)

■ Loading Shovel Bucket

PCSA Heaped : 27.0 – 30.6 m³
(35.5 – 40.0 yd³)

■ Backhoe Bucket

PCSA Heaped : 29.0 m³ (38.0 yd³)
CECE Heaped : 26.0 m³ (34.0 yd³)

Powerful Engines — Ready for the task.
Time-proven twin Cummins diesel engine produces a total of 1 940 kW (2 600 hp) for handling the big excavation jobs.

1 940 kW (2 600 hp)

Emission Control Engine — Helping to protect our environment.
Conforms to U.S. EPA Tier 2 and EC Tier 2 emission regulations.

Efficient E-P Control — Adjusts power output to the work being performed.
Hitachi's computer-aided Engine-Pump Control (E-P Control) coaxes optimum efficiency from the engine and hydraulic pumps. This innovative system senses load demand and controls engine and pump output for maximum operating efficiency.

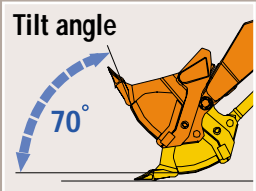
Larger Bucket Provides High Work Capacity.
● Loading shovel bucket: ● Backhoe bucket:

27.0 m³ (35.5 yd³) **29.0 m³ (38.0 yd³)**

Maximum Excavating Force.

● Loading shovel: Crowding force	● Backhoe: Arm crowd force
1 570 kN (160 000 kgf, 353 000 lbf)	1 240 kN (126 000 kgf, 278 000 lbf)
Breakout force	Bucket digging force
1 570 kN (160 000 kgf, 353 000 lbf)	1 370 kN (140 000 kgf, 309 000 lbf)

Large Bucket — Design for enhanced efficiency.
The large bucket has been shaped specifically to enhance scooping and loading operations. Its sharp tilt angle helps boost operating efficiency.



Productivity-boosting Auto-Leveling Mechanism — One-lever leveling control.
This is another unique Hitachi function developed exclusively for more efficient leveling operations.

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

	HITACHI EH4000	HITACHI EH4500
Maximum Payload	251.4 US ton	281.6 US ton
Body Capacity	131.9 m ³ (172.5 yd ³)	147.6 m ³ (193.1 yd ³)
Loading Shovel 27.0 m ³ (35.5 yd ³)	5	5 or 6
Backhoe 29.0 m ³ (38.0 yd ³)	5	5



SOLUTION GIANT

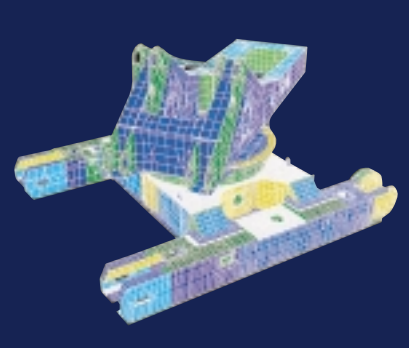
Giant-Sized Productivity Based on Hitachi's Theory of Evolution.



Each Hitachi generation listens to the needs of the work site and gives birth to an even better new generation.

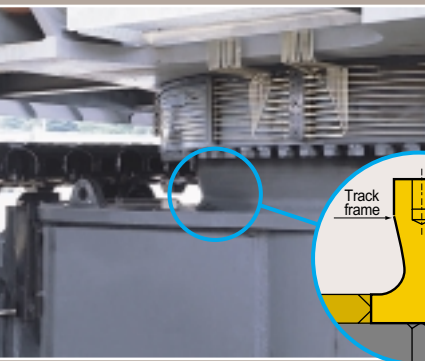


**Rigid Box Design —
Resists bending and
twisting forces.**
Computer-assisted analysis
was used to check that the
frame box can withstand
heavy-duty excavation work.

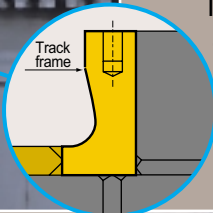


SOLUTION GIANT

**More Than Durable —
Just Plain Tough**
Built-in toughness means the
Hitachi will continue to get
giant-sized jobs done fast.



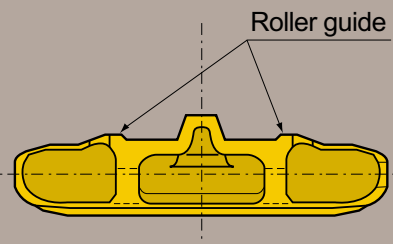
**Solid Cast Track Frame —
More strength for this
key area.**
The track frame is cast as
a solid unit and includes
a flange for improved
reliability. This non-welded
design is used exclusively
on large Hitachi models.



**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.



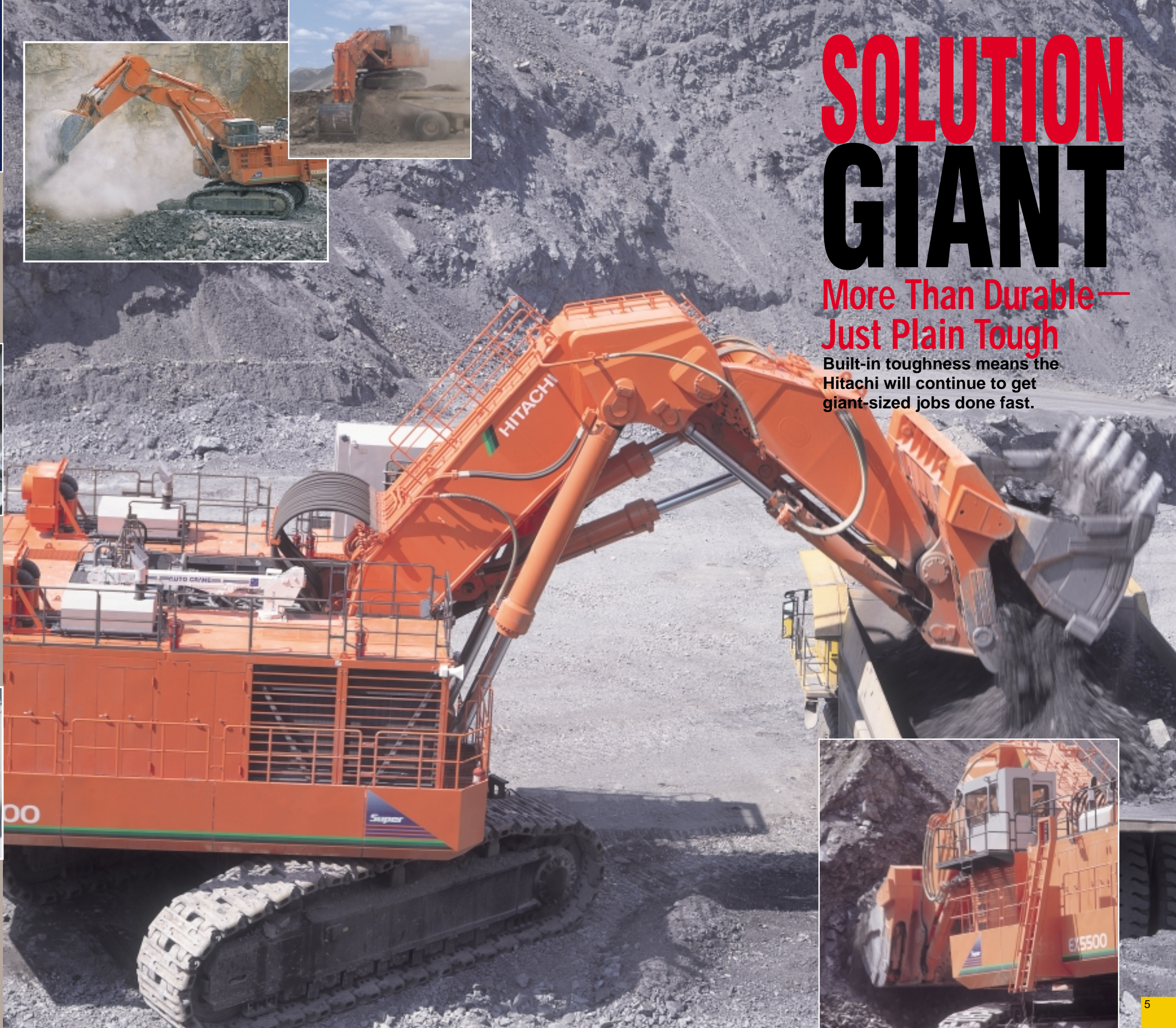
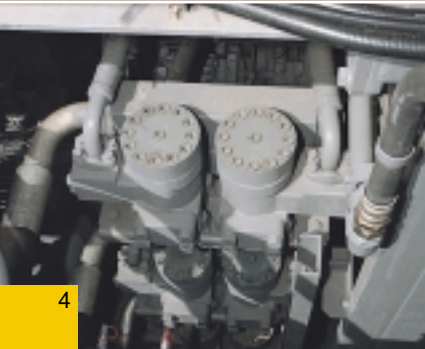
**Constant Correct Track
Tension — Nitrogen gas
accumulators absorb
abnormal track tension.**
Helps prevent abnormal track
tension from causing damage.
Travel is automatically stopped
if accumulator pressure exceeds
a preset level.



**Strategically
Positioned Oil Coolers —
Help keep oil
temperatures lower.**
Two oil coolers are used for
optimal cooling efficiency.
They are positioned far from
the engine radiator for even
better cooling potential.



**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.





SOLUTION GIANT

Giant-sized Comfort & Easy Maintenance

The entire machine is designed to provide comfort to the operator and to make maintenance easier for the mechanic.

High Visibility 7.7 Meter (25' 3") Cab Height — Providing a good view of the work area.

Gives the operator a good view, even when a large 270 US-ton class dump truck is being loaded. This high height and forward-sloping cab provides a view that boosts productivity.

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.

Easy-to-Monitor Curved Instrument Panel — Provides at-a-glance monitoring of operating status.

Positioned so that the operator can continually monitor the status of key functions during operation. All buttons and instruments are easy to see and operate.

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

Adjustable Sliding Cockpit — Moves to the best position for the operator.

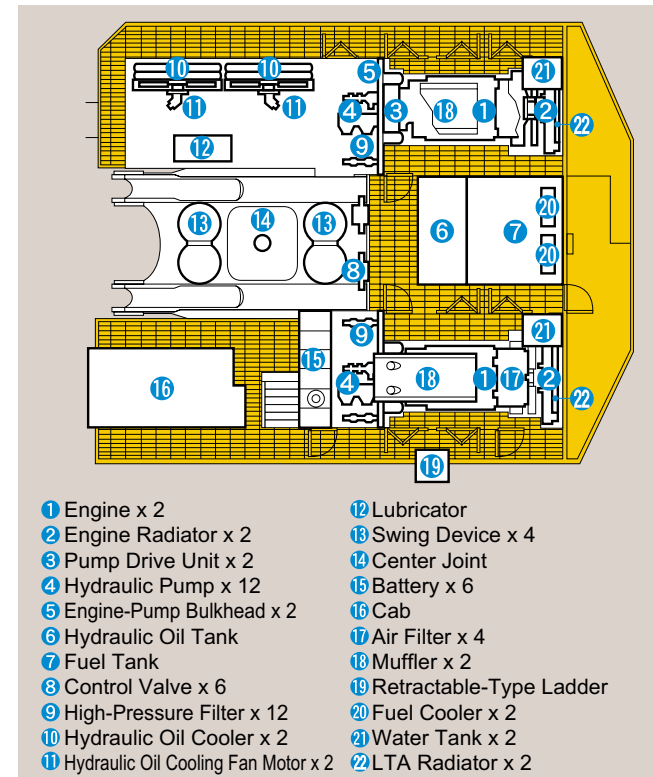
The operator can adjust the position of the levers and the seat to custom-fit his size and operating style.

Comfortable Cab — Comfort for reducing operator fatigue.

Fluid-filled elastic mounts help absorb vibration to provide durability and comfortable ride.



Easy Access and Maintenance — Easy access speeds inspections and maintenance.



Counterweight with walkway — Easier access for maintenance.

A walkway around the entire counterweight provides easy access to key rear areas. This means faster and safer inspection and maintenance.



Wide-Open Service Area — Provides the space needed for quick and easy inspection and maintenance.

This area is conveniently located at the center of the body and provides access to the engines as well as the hydraulic and electrical systems.

Auto Lubrication System — Eliminates the need for manual lubrication.

This system automatically lubricates the front joint pins and swing circle. This eliminates cumbersome daily lubrication.

Convenient Centralized Filter System — Designed to make filter inspection and maintenance easier.

Centralized position means that inspection and maintenance can be performed quickly and easily.



The Centralized Lubrication System: Fast filling System (option)



Easy Bucket Tooth Replacement — This area is designed to be easily maintained.

Innovative bucket tooth and side shrouds are used to cut maintenance time.

Convenient 24-Volt DC Crane — Helps lift important items into place (option)

This is a handy item when handling heavy tools or other items.

Protective Engine/Pump Bulkhead — Contributes to lower heat and less potential for damage.

Steel barrier keeps these two areas independent.

Low Maintenance Dust Ejector — Automatically expels dust from the air cleaner.

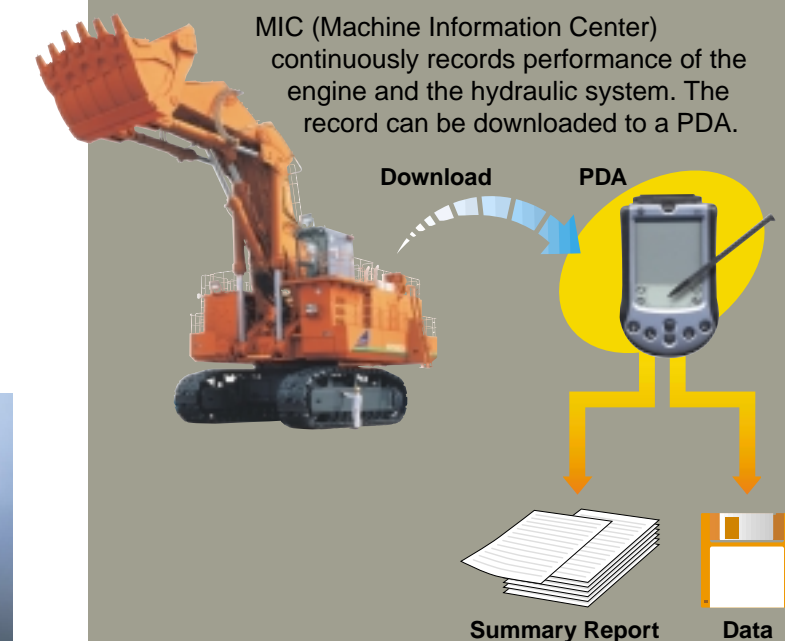
This is one less time-consuming task during routine maintenance.

Contamination Sensor — Alerts the operator of excessive contaminants in the oil.

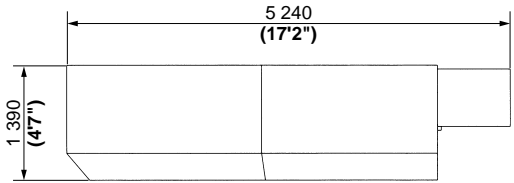


This system detects accumulated contaminants that could cause damage and alerts the operator before trouble occurs.

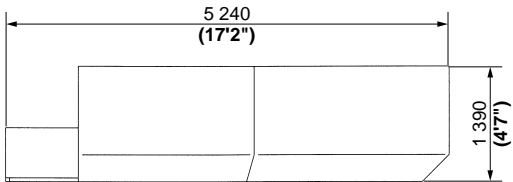
MACHINE INFORMATION CENTER



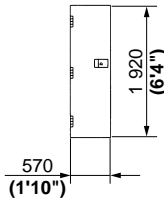
Counterweight (left)
Weight: 25 800 kg (56 900 lb); Width: 1 390 (4'7")



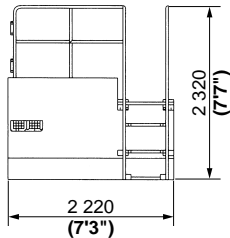
Counterweight (right)
Weight: 25 800 kg (56 900 lb); Width: 1 390 (4'7")



Door
Weight: 29 kg (64 lb)
Width: 50 (2.0")



Step
Weight: 281 kg (620 lb)
Width: 890 (2'11")

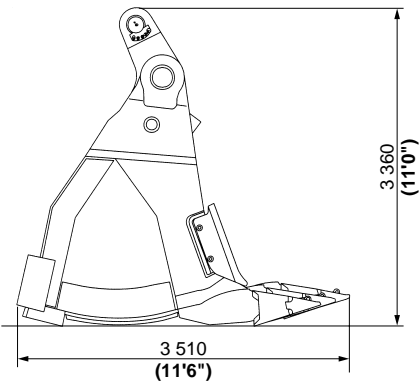


Unit: mm (ft in)

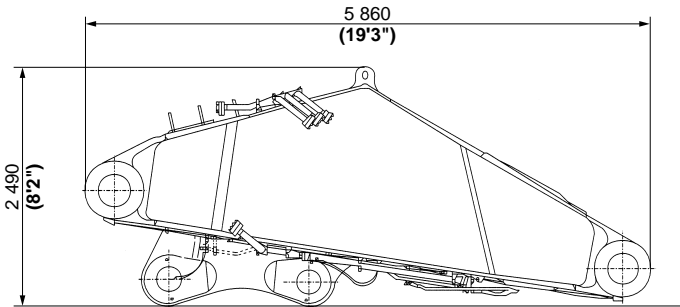
LOADER ATTACHMENT

Unit: mm (ft in)

Bucket (front) assembly with bucket points
Weight: 20 700 kg (45 640 lb)
Capacity: 27.0 m³ (35.3 yd³; PCSA heaped)
Width: 4 800 (15'9")

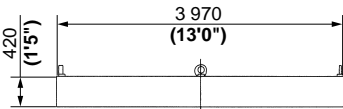


Arm assembly
Weight: 21 300 kg (47 000 lb)
Width: 3 210 (10'6")

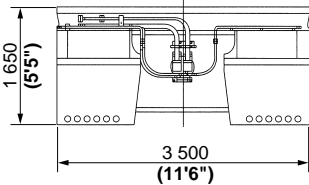


UNDERCARRIAGE

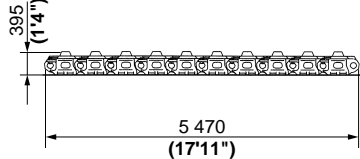
Swing circle
Weight: 13 400 kg (29 500 lb)



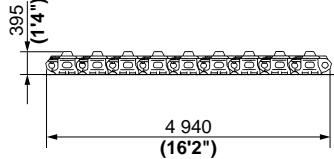
Track center frame assembly
Weight: 34 200 kg (75 400 lb)
Width: 6 120 (20'1")



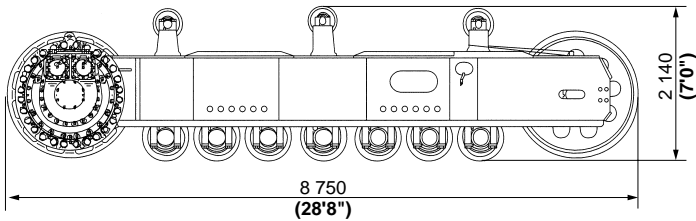
Track links
Weight: 15 400 kg (34 000 lb) x 2
Width: 1 400 (55")



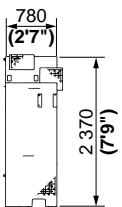
Track links
Weight: 14 600 kg (32 200 lb) x 2
Width: 1 400 (55")



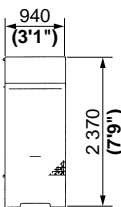
Track side frames
Weight: 46 000 kg (101 000 lb) x 2
Width: 2 680 (8'10")



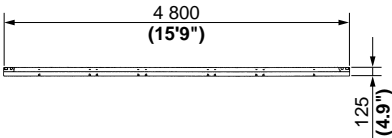
Motor cover
Weight: 100 kg (220 lb)
Width: 820 (2'8")



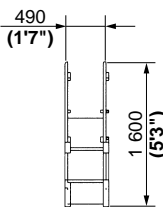
Motor cover
Weight: 100 kg (220 lb)
Width: 800 (2'7")



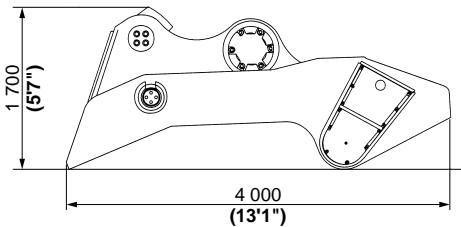
Motor cover stay
Weight: 117 kg (258 lb)
Width: 125 (4.9")



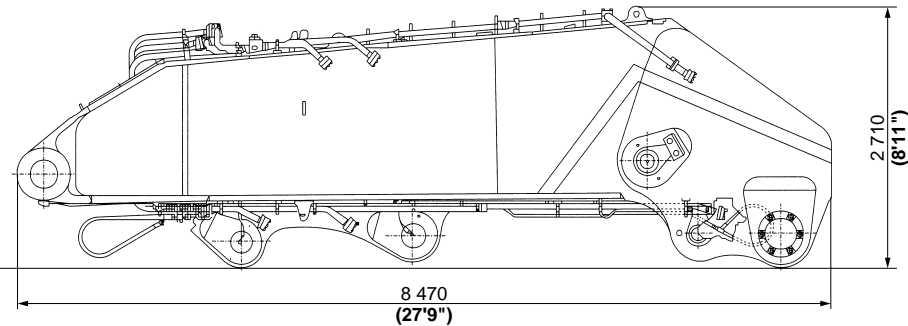
Ladder
Weight: 32 kg (71 lb)
Width: 600 (2'0")



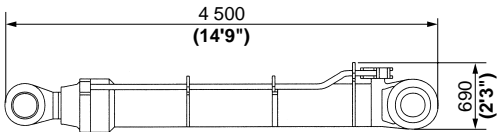
Bucket (rear)
Weight: 20 100 kg (44 300 lb)
Width: 4 790 (15'9")



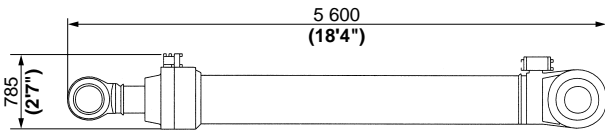
Boom assembly
Weight: 36 400 kg (80 200 lb)
Width: 3 210 (10'6")



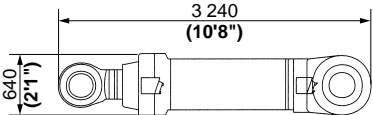
Arm cylinder
Weight: 4 320 kg (9 520 lb)
Width: 790 (2'7")



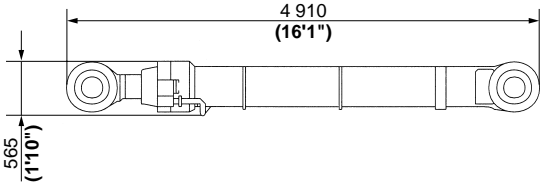
Boom cylinders
Weight: 6 600 kg (14 600 lb) x 2
Width: 640 (2'1")



Level cylinder
Weight: 3 840 kg (8 470 lb)
Width: 1 050 (3'5")



Bucket cylinders
Weight: 4 060 kg (8 950 lb) x 2
Width: 980 (3'3")



EX5500-5

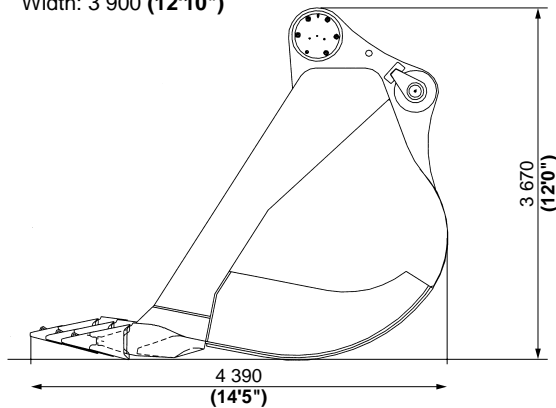
BACKHOE ATTACHMENT

Bucket assembly with bucket points

Weight: 29 200 kg (64 390 lb)

Capacity: 29.0 m³ (38.0 yd³; PCSA heaped)

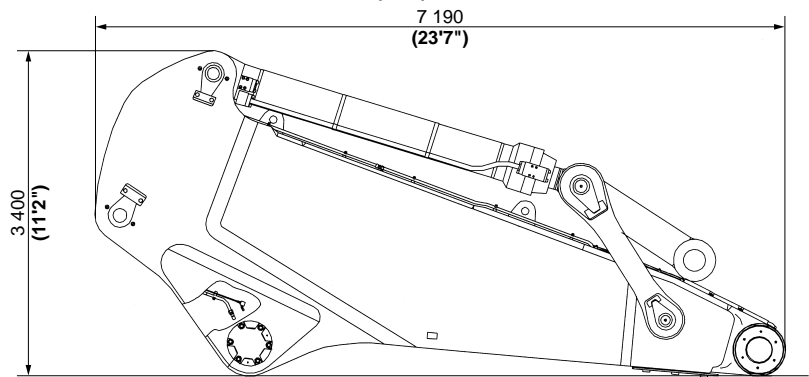
Width: 3 900 (12'10")



BE-Arm assembly

Weight: 37 000 kg (81 600 lb)

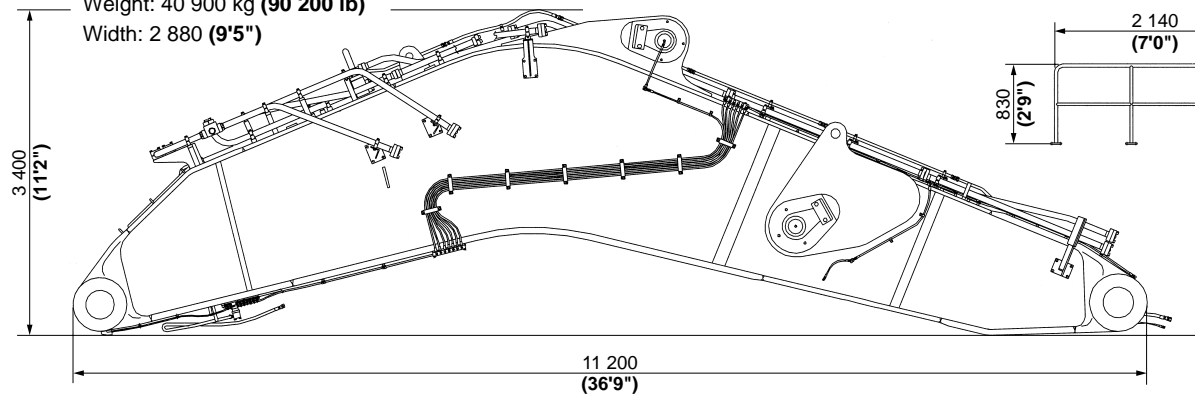
Width: 2 360 (7'9")



BE-Boom assembly

Weight: 40 900 kg (90 200 lb)

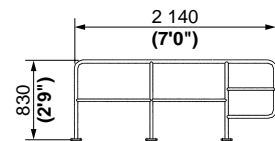
Width: 2 880 (9'5")



Handrails

Weight: 18 kg (40 lb) x 2

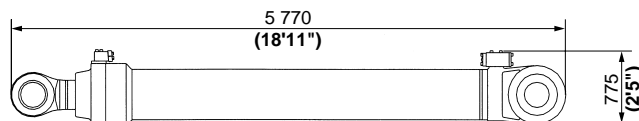
Width: 50 (2'0")



BE-Boom cylinders

Weight: 7 390 kg (16 300 lb) x 2

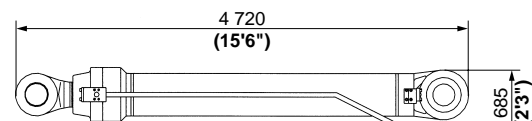
Width: 640 (2'1")



Arm cylinders

Weight: 4 690 kg (10,340 lb) x 2

Width: 865 (2'10")

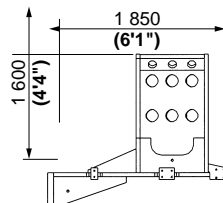


Backhoe only

Travel motor guards for Backhoe

Weight: 1 150 kg (2 540 lb) x 2

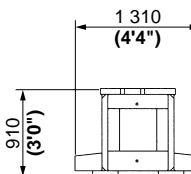
Width: 680 (2'3")



Brackets

Weight: 880 kg (1 940 lb) x 2

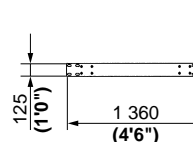
Width: 570 (1'10")



Stay

Weight: 31 kg (68 lb) x 2

Width: 125 (1'0")



HITACHI

Hitachi Mining Products

P.O. Box 8806 • 1515 5th Avenue • Moline, IL 61265

www.hitachimining.com

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.

DKAEX5500HT (03-01)