



**TATA HITACHI**

Reliable solutions

# ULTRA PERFORMANCE

## ZAXIS 490H ULTRA



Engine Power : 345 HP @ 2000 rpm

Operating Weight : Backhoe - 47,400 kg  
Shovel - 47,800 kg

Backhoe Bucket Capacity : 1.9 - 3.1 m<sup>3</sup>  
Loading Shovel Capacity : 2.6 m<sup>3</sup>



## ZAXIS ULTRA

In an industry that's always evolving, with growing business demands, customers need a machine they can rely on. An asset to your operation. Committed to its legacy, the all-new ZAXIS 490H ULTRA is a reliable machine, which is packed with innovative technologies for unparalleled productivity and efficiency. Bringing you quality as standard and so much more. Unlock the full potential of your machine.





### Swift Front Movement with \*HIOS IIIB Hydraulics

The \*HIOS IIIB hydraulic system is designed to efficiently utilize hydraulic oil pressure in the circuit, eliminating power and fuel loss. Swift movements of the front attachment can be achieved through total control of the boom, arm, and bucket regeneration system. This Hitachi technological prowess results in high performance and fuel economy.

\*Human & Intelligent Operating System

### Lower Fuel Consumption in ECO Mode

The ECO mode is a new economical mode that gives high productivity with less fuel and can cut fuel consumption by 8% compared to the PWR mode.



### In Pursuit of Yielding More Production

The ZAXIS 490H ULTRA delivers extra power for excavation and swinging, especially with excellent swing torque. This boosts productivity in mining operations. Additionally, a power boost mechanism ensures robust mining performance.

### Reduction in Fuel Consumption

The new ZAXIS 490H ULTRA is a fuel-thrifty excavator designed to reduce fuel consumption compared to the conventional model. This not only makes it fuel-efficient but also helps reduce CO2 emissions.

\*10% decreased compared to the ZAXIS 470H at PWR mode

### Easy-to-Use Attachments

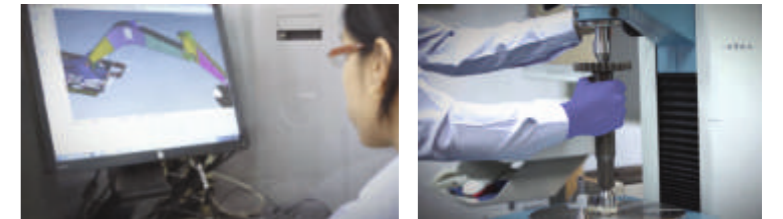
The operator can change over valves, adjust extra circuit flow, and check settings using the multifunction monitor located next to the operator's seat. Moreover, 11 tasks, including flow rate setting, can be easily selected by their identified names.



### State-of-the-art R&D and Quality Control

Tata Hitachi is known for its technological prowess and product performance. The R&D Division has a track record of excellent design, stress analysis expertise using CAE system, and an abundant production data base. A large scale durability test field allows for a series of stringent testing of new machines.

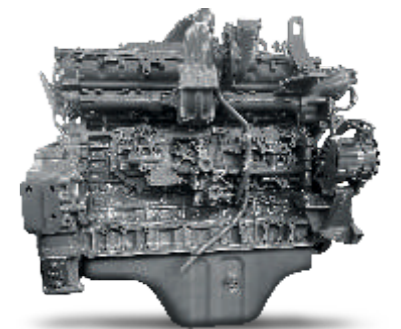
The state of art bench test facility also evaluates component reliability and behaviour at full vehicle level.



### Reliable and Durable Isuzu Engine

This tried and tested reliable Japanese Common Rail Direct Injection (CRDi) Engine has a track record showing impressive durability at countless tough job sites around the world. This engine with a rugged design, a direct fuel injection system and a robust electronic governor goes green and complies with global emission norms.

The turbo charged, inter-cooled engine yields a whopping 345 HP output for higher production in shorter job schedule.



### Rock-Solid, Durable Front Attachment

This machine is equipped with a highly robust and durable boom and arm, making it ideal for demanding jobs in mines or quarries that require continuous operation. It features an H-boom and H-arm with thick plates for added durability. Additionally, the arm is equipped with a damage-prevention plate and square bars for enhanced ruggedness. To reduce noise and extend service life, the boom, arm, and bucket cylinders on the retract side are designed to cushion shocks at the stroke ends.

### Strengthened Undercarriage

The tracks are rugged enough to navigate uneven quarry sites with power and stability. The idler brackets, featuring a box-section structure, are reinforced with plates to withstand high stresses and resist deformation. Additionally, two-step ladders on the side provide easy access to the cab and comfortable boarding on the machine.



### Proven Upperstructure

The upper structure is reinforced with a proven D-section skirt to protect against obstacles, reducing deformation. A large door catch is also provided to minimize shocks and jolts from the cab and upper structure.





# ULTRA PERFORMANCE

## Unmatched Performance

- Auto Power Lift Control
- Relief Flow Rate Decrease Control
- Faster Cycle Time
- Attachment Flow Rate Adjustment



## Limitless Reliability and Durability

- Reliable Japanese Common Rail Direct Injection (CRDi) Engine
- Strengthened Undercarriage
- Reliable Pump and Motors
- Proven Upper Structure
- Reinforced Front Attachments
- Expansion Tank **NEW**



## Top-Notch Technology and Versatility

- Human & Intelligent Operating System (HIOS III B)
- ConSite Telematics Suite
- Global e-Service
- Factory Fitted Rock Breaker Pipping Kit
- Easily Customizable with Attachments, such as Rock Breaker, Auger, Orange Peel Grab, Quick Coupler, etc..
- Reversible Fan **NEW**



## Redefined Comfort and Safety

- 7" LCD Monitor **NEW**
- Auto Control Air Conditioner
- Ergonomically Placed Controls
- Suspension Seat
- AM/FM, AUX Terminal and USB Mobile Charger
- Powerful LED lights
- Rear-view Camera

### Safety:

- ROPS (ISO12117-2) and FOPS (ISO3449) Compliant Cabin
- Automatic Fire Detection and Suppression System (AFDSS)
- Battery Cut-off Switch



## Assured Support

- Extended Warranty
- Wide-spread Dealer Network
- Field Diagnostic Vehicle
- Mobile Workshop





## Human & Intelligent Operation System

Discover excellence with ZAXIS 490H ULTRA's hydraulic system, developed by industry leading hydraulic technologies and a wealth of experience.

Unleash superior digging forces, swift front movements, faster cycle times and precise controls resulting in higher production with low fuel consumption.

## Versatility

The ZAXIS 490H ULTRA comes in tailor made options and is easily customizable with various attachments such as Rock Breaker, Auger, Quick Coupler and many more.

Option of factory fitted rock breaker piping kit is also available. Wide range of bucket options are also available to suit a variety of applications.



## Comfort-Designed Operator Seat

The ergonomically designed suspension seat is equipped with a headrest and armrests to enhance operator comfort. The seat can be adjusted in multiple ways, including sliding and reclining, to suit the operator's preferences. Additionally, the seat can slide rearward by 40 mm to provide added leg space. An optional feature includes air suspension with a heat pad for further customization and comfort.

## Safe and Robust Cab

The robust cab, certified to ROPS (ISO12117-2) and FOPS (ISO3449) standards, ensures operator protection from falling objects. The pilot control shut-off lever is equipped with a neutral engine start system, allowing engine starting only when the pilot control shut-off lever is in the Lock position.



## Cabin Features

- Roomy cabin
- Ergonomic work area
- Plush comfortable reclining seat with hand rest and adjustable head rest
- Air conditioning
- Smooth control levers
- Engine emergency shut off switch
- Horn function even in machine off condition
- Engine stop switch
- Engine stop cable
- Multipurpose monitor
- Rear tray
- Bottle holder
- Front guard for cabin glass
- Overhead window
- AM/FM, AUX terminal and USB mobile charger
- Powerful LED lights



New Multi-function Monitor

Ergonomic Control Lever



Lever locking



Emergency engine stop switch



Drink holder



Wide door for easy ingress





### Grouped Remote Inspection Points

Inspection points are concentrated inside left and right covers that are readily accessible from ground level for convenient servicing and inspection, including water draining from the fuel tank, replenishment of filters. A lid behind the cab door is available for easy replacement of the air conditioner filters for fresh air.

### Fast Lubrication

The arm and boom have their own centralized greasing points for fast lubrication. Auto-grease lubricator is also available for faster greasing / lubrication.

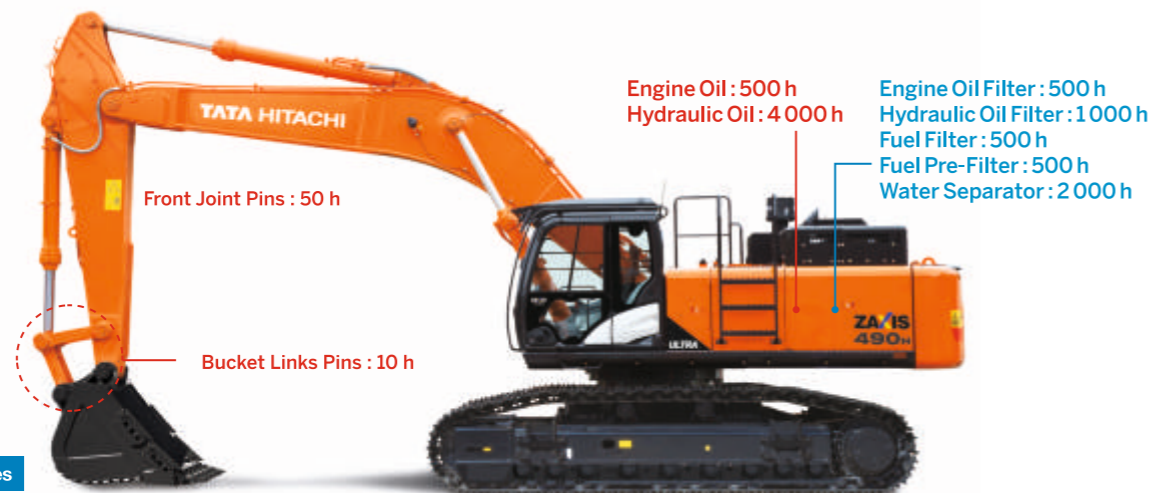
### Easy-Access to the Upperstructure

A large sidewalk is provided on the left side of the cab, making it easy to access the engine from the ladder while handrails are provided and sufficient slip-resistant plates for safety.

### Large Capacity Fuel Tank

Equipped with a large capacity fuel tank for longer operations.

### Service intervals



Genuine Tata Hitachi Parts meet stringent quality standards. These parts are guaranteed to perform and are backed by Tata Hitachi's warranty.

Developed in synergy with our machines, Tata Hitachi ensures wide spread dealer network which also offers

Field Diagnostic Vehicle and Mobile Workshop for quicker after-sales service.

Tata Hitachi also offers extended warranty so that our customers get high levels of performance, reliability and peace of mind.



Guaranteed availability - Increased uptime and maximum production.



Higher resale value of equipment after the end of the contract.



Onsite availability of float aggregates.



Fix before failure to ensure maximum reliability of machines.



Trained and experienced manpower at site on 365\*24 hours basis.



Exclusive onsite warehouse for complete contract period.



### MONTHLY REPORT VIA E-MAIL

Know everything about your machine & how to increase productivity while reducing costs



### SITE EFFICIENCY PARAMETERS

Advises you on ways to fine tune everyday operations



### CAUTION ALARM

Pre-emptive information of your machine's health



### EMERGENCY ALARM

Real time notification to you and the dealer to avoid machine breakdowns



### PERFORMANCE ANALYSIS

Benchmarking your machine against similar class machines in the region



Download the ConSite Pocket app today

- ✓ Minimise downtime
- ✓ Support your business





## Tata Hitachi Support Chain

A full customer supports system offered on buying a Tata Hitachi Ultra Series machine.

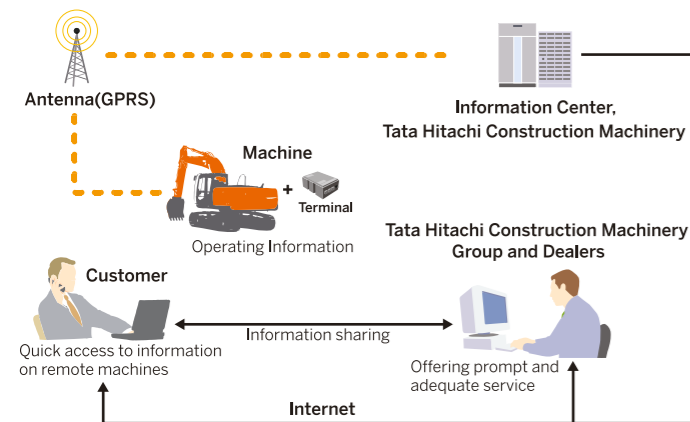


### Remote Fleet Management with Global e-Service

#### Easy access to On-Site Machines through the internet

Global e Service is a convenient and simple system designed to give you valuable information regarding the operations, maintenance, system parameters and alarms of your machines from the convenience of your office. This system can be configured to give you a customised dashboard of the vital parameters that you would like to monitor, to increase productivity and reduce the downtime of your fleet.

The operating data and logs are sent to our servers for processing and then to customers and dealers around the world. This system is available 24 hours a day, all the year round and can be viewed on your laptops and mobile devices through the Internet.



Note: In Some Regions, Global e-Service may not be Available due to Local Regulations.

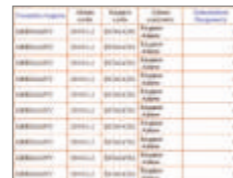
#### Main Features of Global e-Service

Global e Service provides easy access to a machine on site conveying operating information and log, including daily operating hours, operations, fuel levels, location, itemised maintenance scheduling, machine's technical parameters and alarm history.



Operation

- Working site of customer machine can be determined.
- Route to working site of customer machine can be determined also.



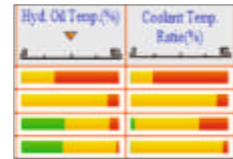
Alarm function

Information of alarms as causes of machine failures can be received in real time.



Hour meter / Daily report

Daily machine operation hours and remaining fuel can be determined.



Operation information

Hydraulic oil temperature, swing hours and other data are determined.

### Support Solutions

Full Maintenance Contract by Tata Hitachi is a fully customized service offering for customers having large fleet of machines. Designed to meet specific requirement of individual customers. It maximizes the production by ensuring maximum machine utilization.

#### Objectives

- Maximize equipment availability
- Minimize operating cost through planned maintenance
- Enhanced reliability and maintainability through monitoring of MTTR and MTBF
- Technical skill development of customer personnel
- Extend equipment life to maximize returns on investment

#### Benefits

- Higher productivity through increased utilization
- Life cycle maintenance cost known at the start of the contract
- Allows customer to concentrate on their core activity
- Higher equipment availability resulting in leaner fleet size
- Improved cost efficiency through higher utilization and extended equipment life
- Better resale value of equipment



### ENGINE

Model	Isuzu GH-6UZ1XKSA-01
Type	4-cycle water-cooled, direct injection
Aspiration	Turbocharged, intercooled
No. of cylinders	6
<b>Rated power</b>	
ISO 9249 / SAE J1349, net	257 kW (345 HP) at 2 000 min <sup>-1</sup> (rpm)
Maximum torque	1 363 Nm (139 kgf m) at 1 500 min <sup>-1</sup> (rpm)
Piston displacement	9.839 L
Bore and stroke	120 mm x 145 mm
Batteries	2 x 12 V / 170 Ah

### HYDRAULIC SYSTEM

#### Hydraulic Pumps

Main pumps	2 variable displacement axial piston pumps
Maximum oil flow	2 x 400 L/min
Pilot pump	1 gear pump
Maximum oil flow	30 L/min

#### Hydraulic Motors

Travel	2 axial piston motors with parking brake
Swing	2 axial piston motors

#### Relief Valve Settings

Implement circuit	31.9 MPa (325 kgf/cm <sup>2</sup> )
Swing circuit	28.4 MPa (290 kgf/cm <sup>2</sup> )
Travel circuit	35.3 MPa (360 kgf/cm <sup>2</sup> )
Pilot circuit	3.9 MPa (40 kgf/cm <sup>2</sup> )
Power boost	35.3 MPa (360 kgf/cm <sup>2</sup> )

### UPPER STRUCTURE

Swing speed	9.5 min <sup>-1</sup> (rpm)
Swing torque	148 kNm

### BACKHOE BUCKETS

Type	Capacity*	Width		Tooth Point (no's)	Weight kg	Max. Material Density (kg/m <sup>3</sup> )	6.3 m Boom		
		Without side cutters	With side cutters				Arm 2.5 m	Arm 2.9 m	Arm 7.0 m
GP	3.1 m <sup>3</sup>	1 802 mm	1 868 mm	6	2 360	1 800	✓	✗	✗
GP	3.0 m <sup>3</sup>	1 762 mm	1 902 mm	5	2 060	1 800	✓	✗	✗
ROCK	2.5 m <sup>3</sup>	1 760 mm	1 826 mm	5	2 560	2 000	✓	✓	✗
GRANITE	1.9 m <sup>3</sup>	1 400 mm	1 466 mm	5	2 083	Boulders	✓	✓	✗
COAL	3.0 m <sup>3</sup>	1 762 mm	1 902 mm	-	1 910	1 000			✓
DREDGING	1.0 m <sup>3</sup>	1 132 mm	-	4	1 227	1 800	✗	✗	✓

✓ Option is available \* ISO heap

### BUCKET AND ARM DIGGING FORCES

Boom Length	6.3 m BE-boom		
	2.5 m BE-arm	2.9 m BE-arm	7.0 m BE-arm
Bucket digging force* ISO	282 kN (28,780 kgf)	285 kN (29,130 kgf)	219 kN (22,360 kgf)
Bucket digging force* SAE: PCSA	250 kN (25,570 kgf)	257 kN (26,240 kgf)	219 kN (22,360 kgf)
Arm crowd force* ISO	299 kN (30,520 kgf)	256 kN (26,140 kgf)	122 kN (12,440 kgf)
Arm crowd force* SAE: PCSA	289 kN (29,530 kgf)	249 kN (25,420 kgf)	122 kN (12,440 kgf)

\* at power boost

### LOADING SHOVEL BUCKET

Type	Capacity	Maximum width	No. of teeth	Weight
Bottom dump type slag handling bucket	2.6 m <sup>3</sup>	1 943 mm	6	3 170 kg

### UNDER CARRIAGE

#### Tracks

Track shoes with triple grousers made of induction-hardened rolled alloy. Heat-treated connecting pins with dirt seals. Hydraulic (grease) track adjusters with shock-absorbing recoil springs.

#### Numbers of Rollers and Shoes on Each Side

Upper roller	2
Lower roller	8
Track shoes	49
Idler track guard	1
Track guard	Standard ( Full track guard : Optional)

#### Travel Device

Each track driven by axial piston motor through reduction gear for counterrotation of the tracks. Parking brake is spring-set/hydraulic-released disc type.

Automatic transmission system: High-Low.

Travel speeds.....High : 0 to 5.5 km/h  
Low : 0 to 3.9 km/h

Maximum traction force .....329 kN (33 600 kgf)  
Gradeability.....70% (35 degree) continuous

### SERVICE REFILL CAPACITIES

Fuel tank	725.0 L
Engine coolant	58.0 L
Engine oil	41.0 L
Swing device (each side)	6.5 L
Travel device (each side)	11.0 L
Hydraulic system	510.0 L
Hydraulic oil tank	310.0 L

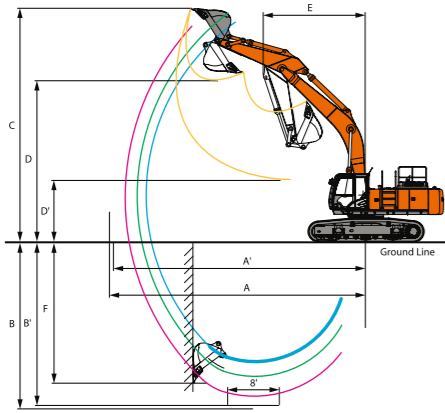
### WEIGHTS AND GROUND PRESSURE

Attachment	Operating weight	Ground pressure	
Bachkoe	47 400 kg	0.899 kgf/sq cm <sup>2</sup>	88.19 kPa
Shovel	47 800 kg	0.907 kgf/sq cm <sup>2</sup>	88.94 kPa



# Specifications

## WORKING RANGES BACKHOE

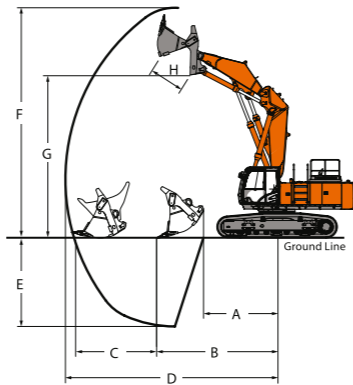


Unit: mm

Boom length	6.3 m BE-boom		
Arm length	2.5 m	2.9 m	7.0 m
A Max. digging reach	10 550	10 850	14 620
A' Max. digging reach (on ground)	10 240	10 640	14 440
B Max. digging depth	6 053	6 360	10 030
B' Max. digging depth (8' level)	5 740	6 200	9 930
C Max. cutting height	10 700	10 760	13 780
D Max. dumping height	7 050	7 210	10 900
D' Min. dumping height	3 430	3 030	-
E Min. swing radius	4 130	3 930	4 850
F Max. vertical wall	4 380	4 150	9 980

Excluding track shoe lug

## WORKING RANGES LOADING SHOVEL



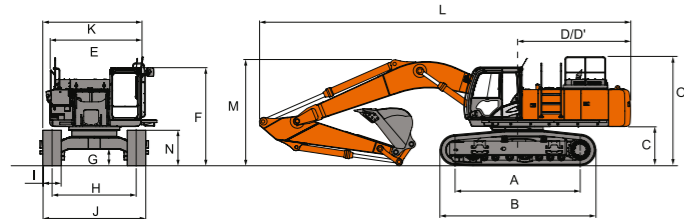
Unit: mm

Item	Bottom dump type
A Max. digging distance	2 750
B Max. Level crowding distance	5 010
C Level crowding distance	3 370
D Max. digging reach	8 760
E Max. digging depth	4 130
F Max. cutting height	10 070
G Min. dumping height	7 500
H Max. bucket opening width	1 390
I Min. bucket tilting angle on ground	54°
J Arm crowding force *ISO	296 kN (30 200 kgf)
K Breakout force *ISO	271 kN (27 600 kgf)

Excluding track shoe lug

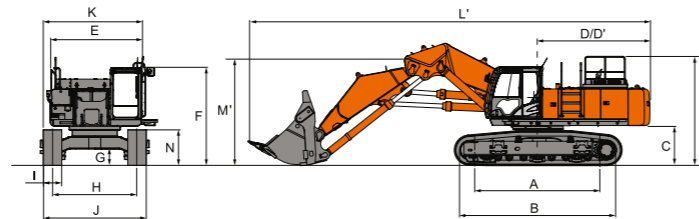
## DIMENSIONS

Backhoe



A	Distance between tumblers	4 050
B	Undercarriage length	5 060
*1C	Counterweight clearance	1 224
D	Rear-end swing radius	3 660
D'	Rear-end length	3 660
E	Overall width of upperstructure	3 296
F	Overall height of cab	3 195
*1G	Min. ground clearance	530
H	Track gauge	2 740

Loading Shovel



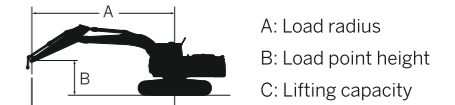
Unit: mm

I	Track shoe width	G 600
J	Undercarriage width	3 340
K	Overall width	3 500
L	Overall length	11 500
M	Overall height of boom	4 033
N	Track height	1 155
O	Overall height of base machine	3 540
L'	Overall length	12 110
M'	Overall height of boom With 2.4 m arm	3 480

\* Excluding track shoe lug G: Triple grouser shoe

# Specifications

## BACKHOE ATTACHMENTS



## LIFTING LOAD CHART OF ZAXIS490H ULTRA WITH 6.3m BOOM 2.5m ARM WITHOUT BKT

Rating over-front Rating over-side or 360 degrees Unit: 1000kg

Conditions	Load point height m	Load radius										At max. reach						
		1.5 m		3 m		4.5 m		6 m		7.5 m		9 m		meter				
BE boom 6.3 m BE arm 2.5 m without bucket Shoe 600 mm	7.5																	
	6							15*	14							12*	12	6.7
	4.5					21.7*	20.7	16.9*	13.3	14.0	9.4					11.9	8.0	8.3
	3							18.7*	12.5	13.6	9.1					11.0	7.4	8.6
	1.5							18.5*	11.9	13.2	8.7					10.8	7.2	8.6
	0(Ground)					27.2*	17.6	18.2*	11.6	13.0	8.5					11.2	7.4	8.4
	-1.5					25.2*	17.6	18.1*	11.5	13.0	8.5					12.3	8.1	7.8
-3					21.5*	18.0	16.7*	11.7							13.7*	9.8	6.9	
-4.5																		

## LIFTING LOAD CHART OF ZAXIS490H WITH 6.3m BOOM 2.9m ARM WITHOUT BKT

Rating over-front Rating over-side or 360 degrees Unit: 1000kg

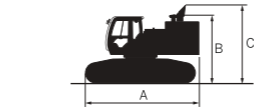
Conditions	Load point height m	Load radius										At max. reach						
		1.5 m		3 m		4.5 m		6 m		7.5 m		9 m		meter				
BE boom 6.3 m BE arm 2.9 m without bucket Shoe 600 mm	7.5																	
	6							14*	14*							8*	8*	7.1
	4.5					20.8*	20.8*	16.4*	13.6	14.2	9.6					7.8*	7.8*	8.0
	3					25.1*	19.4	18.4*	12.8	13.8	9.2					8.2*	7.1	8.9
	1.5					27.6*	18.2	18.8	12.1	13.4	8.9					8.9*	7.0	8.9
	0(Ground)					27.7*	17.8	18.3	11.8	13.1	8.6					10.0	7.1	8.6
	-1.5				23.3*	23.3*	26.1*	17.8	18.2	11.6	13.0	8.6				11.7	7.7	8.1
-3				29.2*	29.2*		18.0	17.6*	11.8						13.7*	9.2	7.2	
-4.5																		

## LIFTING LOAD CHART OF ZAXIS490H WITH 6.3m BOOM 7.0m ARM WITHOUT BKT

Rating over-front Rating over-side or 360 degrees Unit: 1000kg

Conditions	Load point height m	Load radius										At max. reach						
		4.5 m		6 m		7.5 m		9 m		10.5 m		12 m		meter				
BE boom 6.3 m BE arm 7 m without bucket Shoe 600 mm	7.5																	
	6																	
	4.5																	
	3																	
	1.5																	
	0(Ground)	20.1*	20.1*	9.9*	9.9*	9.9*	9.9*	10.2*	9.2*	9.0	7.1	7.1	5.6	6.0	6.4	5.0	12.9	
	-1.5	30.0*	23.5	19.8	15.0	14.0	10.8	10.6	8.2	8.3	6.5	6.8	5.4	5.2	6.1	4.7	12.9	
-3	30.7	22.1	18.8	14.2	13.4	10.2	10.2	7.9	8.1	6.3	6.7	5.2	5.2					
-4.5	30.0	21.4	18.3	13.7	13.0	9.9	10.0	7.7	8.1	6.2								

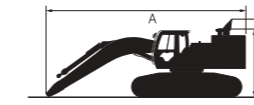
Notes : 1. Lifting Capacity of the ZX series does not exceed 75% of tipping load with the machine on firm level ground or 87% of full hydraulic capacity.  
2. \* Indicates Load limited by hydraulic capacity.



## BASIC MACHINE (WITHOUT COUNTERWEIGHT)

Shoe width	A	B	C <sup>1</sup>	Overall width <sup>2</sup>	Weight
600 mm	5 460 mm	3 195 mm	3 466 mm	3 340 mm	27 759 kg

<sup>1</sup> Without exhaust funnel <sup>2</sup> Undercarriage retracted



## BASIC MACHINE FITTED WITH BOOM AND NO SIDEWALK

Boom length	Shoe width	A	B	C <sup>1</sup>	Overall width <sup>2</sup>	Weight
6.3 m BE	600 mm	9 160 mm	3 195 mm	3 466 mm	3 340 mm	33 128 kg

<sup>1</sup> Without exhaust funnel <sup>2</sup> Undercarriage retracted



## BASIC MACHINE FITTED WITH FRONT AND SIDEWALK

Boom length	6.3 m BE					
Arm length	2.5 m BE	2.9 m BE				
A	11 500 mm	11 360 mm				
B	3 195 mm					
C <sup>1</sup>	3 466 mm					
D	4 033 mm	3 880 mm				

<sup>1</sup> Without exhaust funnel



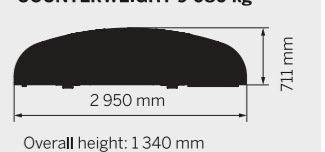
## ARM AND BUCKET

Arm	Bucket SAE, PCSA heaped	A	B	Overall width	Weight
2.5 BE	2.50 m <sup>3</sup>	5 650 mm	1 470 mm	1 820 mm	5 000 kg
2.9 BE	2.30 m <sup>3</sup>	6 030 mm	1 340 mm	1 700 mm	4 800 kg

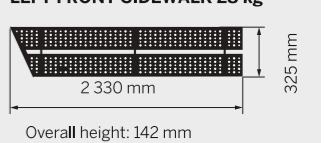
## BUCKET (Rock bucket)

ISO heaped	CECE heaped	Bucket		Overall width	Weight
		A	B		
1.9 m <sup>3</sup>	1.7 m <sup>3</sup>	2 030 mm	1 480 mm	1 500 mm	2 070 kg
2.5 m <sup>3</sup>	2.2 m <sup>3</sup>	1 950 mm	1 650 mm	1 820 mm	2 360 kg

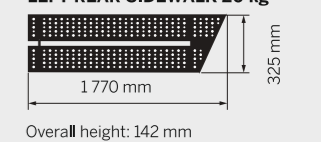
## COUNTERWEIGHT 9 080 kg



## LEFT FRONT SIDEWALK 28 kg



## LEFT REAR SIDEWALK 20 kg





# Equipment

ENGINE		CAB					
Alternator 50 A	●	Additional fuse box	●	Short wrist control levers	●	Reinforced track links with pin seals	●
Auto idle system	●	Adjustable armrests	●	Storage box	●	Shoe : 600 mm triple grouser	●
Auto shut down	●	All-weather sound suppressed steel cab	●	Sun visor (front)	—	Travel motor covers	●
Cartridge-type engine oil filter	●	AM-FM radio	●	Sun visor (side)	—	Travel parking brake	●
Cartridge-type fuel filter	●	Ashtray	—	Transparent roof with slide curtain	—	Track undercover	—
Dry-type air double filter with evacuator valve(with air filtr restriction switch for monitor)	●	Auto control air conditioner	●	USB mobile charger	●	Upper and lower rollers	●
Expansion tank	●	Auto-idle selector	●	2 speakers	●	1 track guard (each side)	●
Fan guard	●	AUX. terminal	●	6 fluid-filled elastic mounts	●	<b>FRONT ATTACHMENTS</b>	
Fuel pre-filter	●	Round Tempered glass (green color) front window	●	<b>LIGHTS</b>		Arm 2.5 m BE	●
Isolation-mounted engine	●	Front window on upper and left side can be opened	●	Beacon light	●	Arm 2.9 m BE	○
Power mode control PWR(Power) ECO(Economy) ]	●	OPG top guard fitted Level III (ISO10262)	●	2 working lights (boom right toolbox)	●	Boom 6.3 m BE	●
Cyclonic type air pre-cleaner	●	OPG front guard fitted	●	2 cab front lights	●	Bucket 1.9 m <sup>3</sup> (ISO heaped)	○
Radiator, oil cooler with dust protective net	●	Cigarette lighter 24 V	—	1 cab rear light	●	Bucket 2.5 m <sup>3</sup> (ISO heaped)	○
Water separator	●	Drink holder	●	2 counter weight lights	●	Bucket 3.0 m <sup>3</sup> (ISO heaped)	○
<b>HYDRAULIC SYSTEM</b>		Engine shut-off switch	●	<b>MONITOR SYSTEM</b>		Bucket 3.1 m <sup>3</sup> (ISO heaped)	●
Accessories for breaker & crusher	○	Electric double horn	●	Alarm buzzers: overheat, engine oil pressure	●	Centralized lubrication system	●
Accessories for 2 speed selector	○	Evacuation hammer	●	Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, air filter restriction, work mode, etc	●	Damage prevention plate and square bars	●
Auto power lift	●	Fire extinguisher bracket	○	Display of meters: water temperature, hour, fuel rate, clock	●	Dirt seal on all bucket pins	●
Boom mode selector system	●	Floor mat	●	Other displays: work mode, auto-idle, glow, operating conditions etc	●	Flanged pin	●
Control valve with main relief valve	●	Footrest	●	<b>UPPER STRUCTURE</b>		Monolithically cast bucket link A	●
Drain filter	●	Front window washer	●	Auto-grease lubricator	●	Reinforced weld link A	—
Engine speed sensing system	●	Glove compartment	●	Battery disconnect switch	●	Reinforced link B	—
E-P control system	●	Hot & cool box	●	Batteries 150 Ah	●	<b>MISCELLANEOUS</b>	
Extra port for control valve	●	Intermittent windshield wiper	●	Counterweight 9 080 kg	●	AFDSS (zone wise)	●
Full-flow filter	●	Key cylinder light	●	Fuel level float	●	Anti-slip steps and handrails	●
Hose rupture valve	—	LED room light with door interlock	●	Hydraulic oil level gauge	●	CLSS till bucket points	●
Pilot filter	●	Pilot control shut-off lever	●	Ladder	●	Lockable fuel refilling cap	●
Power boost	●	Power outlet 12 V	—	Rear view camera	●	Lockable machine covers	●
Quick warm-up system for pilot circuit	●	Rain guard for cab	—	Rear view mirror (right & left side)	●	Onboard information controller	●
Shockless valve in pilot circuit	●	Rear tray	●	Side walk (cab side)	●	Operator Fatigue sensor	○
Suction filter	●	Retractable seat belt	●	Swing parking brake	●	Reversible fan	●
Work mode selector	●	Rubber radio antenna	●	Tool box	●	Security function	○
11 selectable attachments mode other than digging	●	Seat belt alarm	●	Utility space	●	Standard tool kit	●
		Seat : Adjustable reclining mechanical suspension	●	HD Undercover	●	Swing lock	●
		Seat : Adjustable reclining mechanical suspension with heater	—	<b>UNDERCARRIAGE</b>		Travel alarm	●
		Seat : Adjustable reclining air suspension with heater	—	Bolt-on sprocket	●	Travel direction mark on track frame	●
				Hydraulic track adjuster	●	<b>OTHERS</b>	
				Idler track guard	●	Global e-service	●
						ConSite	●

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

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