CHALO DESH BANAYE

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^3
Loading Shovel Capacity : 2.6 m^3

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.

Unmatched Performance

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 CO_2 emissions.

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

Limitless Reliability and Durability

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

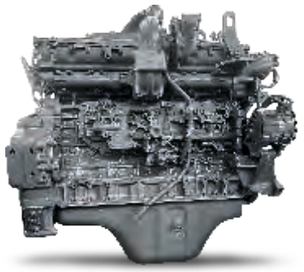
Tata Hitachi is known for its technological prowess and product performance. The R&D Division has a track record of excellent design, stress analysis expertise using CAE system, and an abundant production data base. A large scale durability test field allows for a series of stringent testing of new machines.

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
- Environment Friendly EPA Tier III 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 IIIB)
- 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) - Zonewise
- Battery Cut-off Switch

Assured Support

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

ZAXIS ULTRA

Top-Notch Technology

Human & Intelligent Operation System

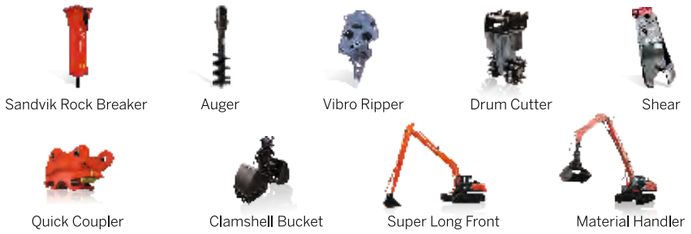
Discover excellence with ZAXIS 490H ULTRA's hydraulic system, developed by industry leading hydraulic technologies and a wealth of experience.

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.



Sandvik Rock Breaker | Auger | Vibro Ripper | Drum Cutter | Shear

Quick Coupler | Clamshell Bucket | Super Long Front | Material Handler

Redefined Comfort and Safety

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

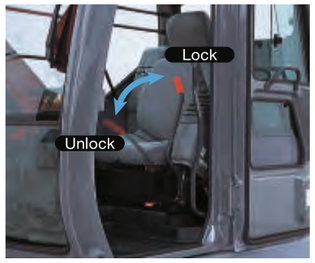
The robust cab, certified to ROPS (ISO12117-2) and FOPS (ISO3449) standards, ensures operator protection from falling objects. The pilot control shut-off lever is equipped with a neutral engine start system, allowing engine starting only when the pilot control shut-off lever is in the Lock position.

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



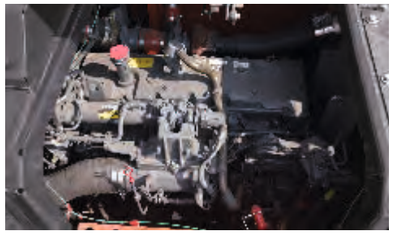
Lever locking

Emergency engine stop switch

Drink holder

Wide door for easy ingress

Assured Support



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.

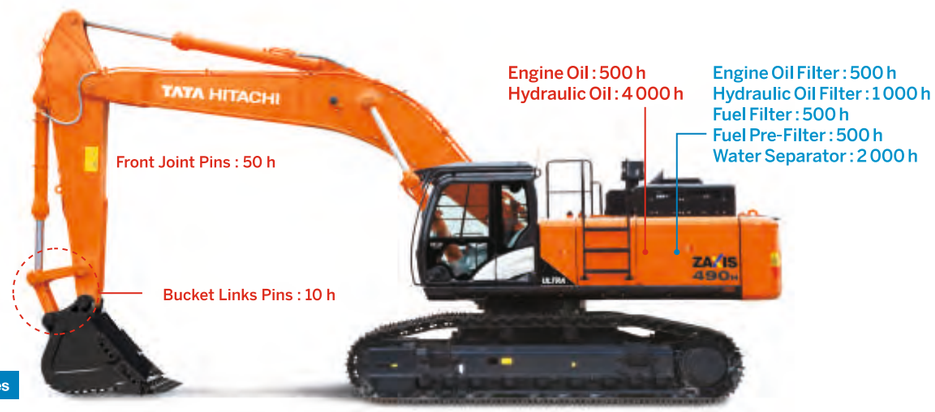
Easy-Access to the Upperstructure

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



Lubricant | Consumables

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.

EXTENDED WARRANTY
COMPLETE 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.

ConSite

Consolidated Solution for Construction Sites

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.

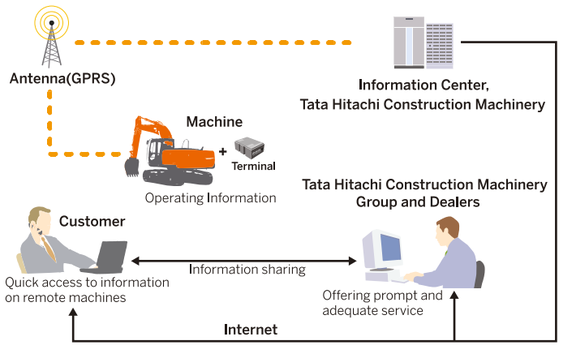
SUPPORT CHAIN

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.



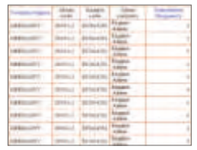
Note: In Some Regions, Global e-Service may not be Available due to Local Regulations.

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.

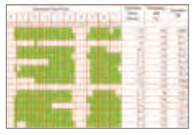
Operation

- 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 maximuzes the production by ensuring maximum machine utilization.

Objectives

- Maximize equipment availability
- Minimize operating cost through planned maintenance
- Ennanced reliability and maintainability through monitoring of MTTR and MTBF
- Technical skill development of customer personnel
- Extend equipment life to maximize retums 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 lif.
- 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
Rated power	
ISO 9249 / SAE J1349, net	257 kW (345 HP) at 2 000 min-1 (rpm)
Maximum torque	1 363 Nm (139 kgf m) at 1 500 min-1 (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/cm2)
Swing circuit	28.4 MPa (290 kgf/cm2)
Travel circuit	35.3 MPa (360 kgf/cm2)
Pilot circuit	3.9 MPa (40 kgf/cm2)
Power boost	35.3 MPa (360 kgf/cm2)

UPPER STRUCTURE

Swing speed	9.5 min^{-1}(rpm)
Swing torque	148 kNm

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 wight	Ground pressure	
Bachkoe	47 400 kg	0.899 kgf/sq cm^2	88.19 kPa
Shovel	47 800 kg	0.907 kgf/sq cm^2	88.94 kPa

BACKHOE BUCKETS

Type	Capacity*	Width		Tooth Point (no's)	Weight kg	Max. Material Density (kg/m^3)	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^3	1 802 mm	1 868 mm	6	2 360	1 800	✓	×	×
GP	3.0 m^3	1 762mm	1 902 mm	5	2 060	1 800	✓	×	×
ROCK	2.5 m^3	1 760 mm	1 826 mm	5	2 560	2 000	✓	✓	×
GRANITE	1.9 m^3	1 400 mm	1 466 mm	5	2 083	Boulders	✓	✓	×
COAL	3.0 m^3	1 762 mm	1 902 mm	-	1 910	1 000			✓
DREDGING	1.0 m^3	1 132 mm	-	4	1 227	1 800	×	×	✓

✓ Option is available * ISO heap

BUCKET AND ARM DIGGING FORCES

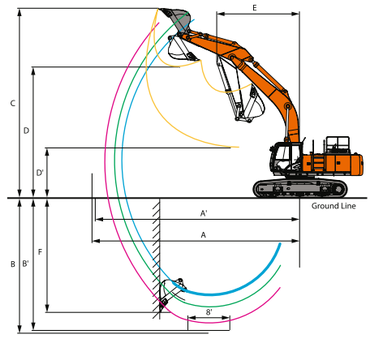
Boom Length	6.3 m BE-boom		
Arm Length	2.5 m BE-arm	2.9 m BE-arm	7.0 m BE-arm
Bucket digging force* ISO	282 kN (28,780 kgf)	285 kN (29,130 kgf)	219 kN (22,360 kgf)
Bucket digging force* SAE: PCSA	250 kN (25,570 kgf)	257 kN (26,240 kgf)	219 kN (22,360 kgf)
Arm crowd force* ISO	299 kN (30,520 kgf)	256 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^3	1 943 mm	6	3 170 kg

WORKING RANGES BACKHOE

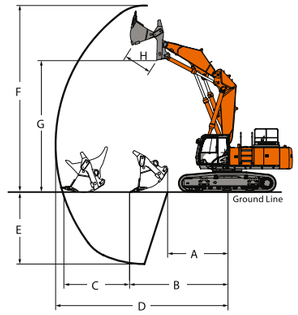


Unit: mm

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



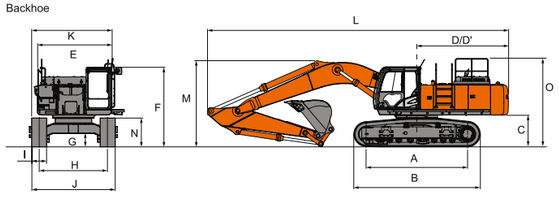
Unit: mm

	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)

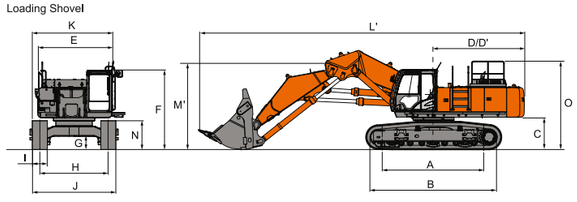
Excluding track shoe lug

DIMENSIONS

Backhoe



Loading Shovel



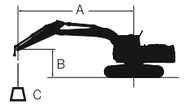
Unit: mm

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 lengh	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

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

BACKHOE ATTACHMENTS



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

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 1.5 m		3 m		4.5 m		6 m		7.5 m		9 m		At max. reach		
																meter
BE boom 6.3 m BE arm 2.5 m without bucket Shoe 600 mm	7.5							15*	14					12*	12	6.7
	6							15.3*	14.0	14.0*	9.7			11.9*	9.2	7.7
	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

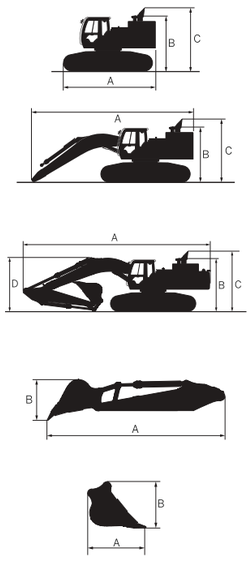
Conditions	Load point height m	Load radius 1.5 m		3 m		4.5 m		6 m		7.5 m		9 m		At max. reach		
																meter
BE boom 6.3 m BE arm 2.9 m without bucket Shoe 600 mm	7.5							14*	14*					8*	8*	7.1
	6							14.8*	14.2	13.4*	9.9			7.8*	7.8*	8.0
	4.5					20.8*	20.8*	16.4*	13.6	14.2	9.6			7.8*	7.7	8.6
	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 4.5 m		6 m		7.5 m		9 m		10.5m		12 m		At max. reach		
																meter
BE boom 6.3 m BE arm 7 m without bucket Shoe 600 mm	7.5									6.4*	6.4*	7.5	6.0			
	6									6.7*	6.7*	7.6	6.0			
	4.5									7.5*	7.5*	7.5	6.0	6.4	5.0	12.9
	3							7.8*	7.8*	8.9*	7.4	7.4	5.8	6.1	4.8	13.1
	1.5			9.9*	9.9*	9.9*	9.9*	10.2*	9.2*	9.0	7.1	7.1	5.6	6.0	4.7	13.1
	0(Ground)	20.1*	20.1*	15.7*	15.7*	13.8*	11.6	11.1	8.7	8.6	6.8	6.9	5.4	6.1	4.7	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	5.2			
	-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			
	-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*1	Overall width*2	Weight
600 mm	5 460 mm	3 195 mm	3 466 mm	3 340 mm	27 759 kg

*1 Without exhaust funnel *2 Undercarriage retracted

BASIC MACHINE FITTED WITH BOOM AND NO SIDEWALK

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

*1 Without exhaust funnel *2 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*1	3 466 mm	
D	4 033 mm	3 880 mm

*1 Without exhaust funnel

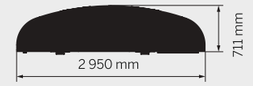
ARM AND BUCKET

Arm	Bucket SAE, PCSA heaped	A	B	Overall width	Weight
2.5 BE	2.50 m³	5 650 mm	1 470 mm	1 820 mm	5 000 kg
2.9 BE	2.30 m³	6 030 mm	1 340 mm	1 700 mm	4 800 kg

BUCKET (Rock bucket)

Bucket		A	B	Overall width	Weight
ISO heaped	CECE heaped				
1.9 m³	1.7 m³	2 030 mm	1 480 mm	1 500 mm	2 070 kg
2.5 m³	2.2 m³	1 950 mm	1 650 mm	1 820 mm	2 360 kg

COUNTERWEIGHT 9 080 kg

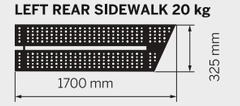


Overall height: 1 340 mm

LEFT FRONT SIDEWALK 28 kg

Overall height: 142 mm

LEFT REAR SIDEWALK 20 kg



Overall height: 142 mm

Equipment

ENGINE	
Alternator 50 A	●
Auto idle system	●
Auto shut down	●
Cartridge-type engine oil filter	●
Cartridge-type fuel filter	●
Dry-type air double filter with evacuator valve(with air filtr restriction switch for monitor)	●
Expansion tank	●
Fan guard	●
Fuel pre-filter	●
Isolation-mounted engine	●
Power mode control PWR(Power) ECO(Economy)]	●
Cyclonic type air pre-cleaner	●
Radiator, oil cooler with dust protective net	●
Water separator	●

HYDRAULIC SYSTEM	
Accessories for breaker & crusher	○
Accessories for 2 speed selector	○
Auto power lift	●
Boom mode selector system	●
Control valve with main relief valve	●
Drain filter	●
Engine speed sensing system	●
E-P control system	●
Extra port for control valve	●
Full-flow filter	●
Hose rupture valve	—
Pilot filter	●
Power boost	●
Quick warm-up system for pilot circuit	●
Shockless valve in pilot circuit	●
Suction filter	●
Work mode selector	●
11 selectable attachments mode other than digging	●

CAB	
Additional fuse box	●
Adjustable armrests	●
All-weather sound suppressed steel cab	●
AM-FM radio	●
Ashtray	—
Auto control air conditioner	●
Auto-idle selector	●
AUX. terminal	●
Round Tempered glass (green color) front window	●
Front window on upper and left side can be opened	●
OPG top guard fitted Level II (ISO10262)	●
OPG front guard fitted	●
Cigarette lighter 24 V	—
Drink holder	●
Engine shut-off switch	●
Electric double horn	●
Evacuation hammer	●
Fire extinguisher bracket	○
Floor mat	●
Footrest	●
Front window washer	●
Glove compartment	●
Hot & cool box	●
Intermittent windshield wiper	●
Key cylinder light	●
LED room light with door interlock	●
Pilot control shut-off lever	●
Power outlet 12 V	—
Rain guard for cab	—
Rear tray	●
Retractable seat belt	●
Rubber radio antenna	●
Seat belt alarm	●
Seat : Adjustable reclining mechanical suspension	●
Seat : Adjustable reclining mechanical suspension with heater	—
Seat : Adjustable reclining air suspension with heater	—
Short wrist control levers	●
Storage box	●
Sun visor (front)	—
Sun visor (side)	—
Transparent roof with slide curtain	—
USB mobile charger	●
2 speakers	●
6 fluid-filled elastic mounts	●

LIGHTS	
Beacon light	●
2 working lights (boom right toolbox)	●
2 cab front lights	●
1 cab rear light	●
2 counter weight lights	●

MONITOR SYSTEM	
Alarm buzzers: overheat, engine oil pressurre	●
Alarms: overheat, engine warning, engine oil pressure, alternator, minimum fuel level, air filter restriction, work mode, etc	●
Display of meters: water temperature, hour, fuel rate, clock	●
Other displays: work mode, auto-idle, glow, operating conditions etc	●

UPPER STRUCTURE	
Auto-grease lubricator	●
Battery disconnect switch	●
Batteries 150 Ah	●
Counterweight 9 080 kg	●
Fuel level float	●
Hydraulic oil level gauge	●
Ladder	●
Rear view camera	●
Rear view mirror (right & left side)	●
Side walk (cab side)	●
Swing parking brake	●
Tool box	●
Utility space	●
HD Undercover	●

UNDERCARRIAGE	
Bolt-on sprocket	●
Hydraulic track adjuster	●
Idler track guard	●
Reinforced track links with pin seals	●
Shoe : 600 mm triple grouser	●
Special Track Shoe Width : 900 mm	○
Travel motor covers	●
Travel parking brake	●
Track undercover	—
Upper and lower rollers	●
1 track guard (each side)	●

FRONT ATTACHMENTS	
Arm 2.5 m BE	●
Arm 2.9 m BE	○
Boom 6.3 m BE	●
Bucket 1.9 m^3 (ISO heaped)	○
Bucket 2.5 m^3 (ISO heaped)	○
Bucket 3.0 m^3 (ISO heaped)	○
Bucket 3.1 m^3 (ISO heaped)	●
Special 3.4 m^3 Bucket (Material density-1200kg/m^3)	○
Centralized lubrication system	●
Damage prevention plate and square bars	●
Dirt seal on all bucket pins	●
Flanged pin	●
Monolithically cast bucket link A	●
Reinforced weld link A	—
Reinforced link B	—

MISCELLANEOUS	
AFDSS (zone wise)	●
Anti-slip steps and handrails	●
CLSS till bucket points	●
Lockable fuel refilling cap	●
Lockable machine covers	●
Onboard information controller	●
Operator Fatigue sensor	○
Reversible fan	●
Security function	○
Standard tool kit	●
Swing lock	●
Travel alarm	●
Travel direction mark on track frame	●

OTHERS	
Global e-service	●
ConSite	●

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

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