

# HIGH LIFT SERIES

Z AXIS210 LCK

Z AXIS240 LCK

Z AXIS350 LCK

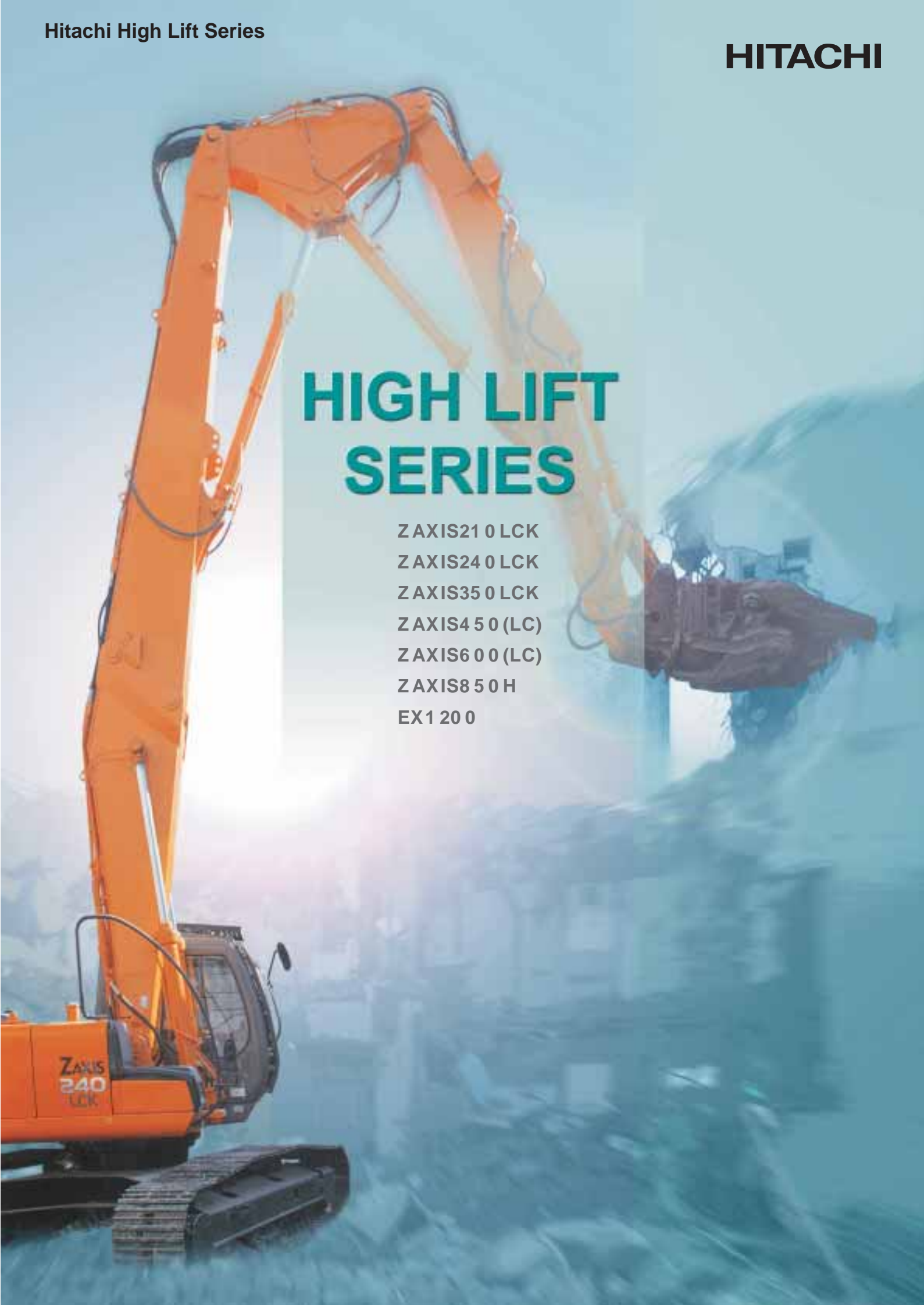
Z AXIS450 (LC)

Z AXIS600 (LC)

Z AXIS850 H

EX1200

Z AXIS  
240  
LCK



# The Hitachi Crawler-Mounted High Lifts Designed for Powerful, Efficient Demolition of Buildings, Structures and Bridges. The Secret Is the Crusher Attachment Controllable from the Ground.

- Lineup to meet various elevated job requirements
- 2- and 3-stage high-lift fronts
- Three types —crusher, multi-purpose, and high lift + backhoe types
- An array of safety devices

Hitachi offers a full line of crawler-mounted high lifts. They bring about a new productivity to demolishing work, and associated handling work.



ZAXIS450  
(Tiltable Cab)



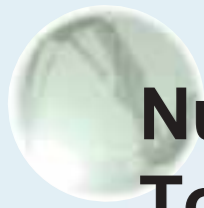
ZAXIS240LCK  
(Backhoe + High Lift)



ZAXIS210LCK  
(High Lift + Backhoe)



ZAXIS450LC



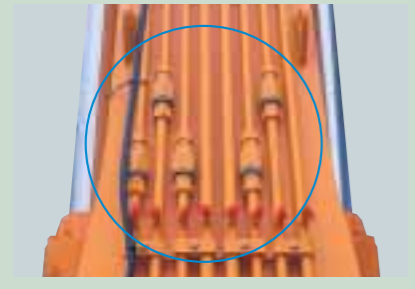
# Numerous Sophisticated Designs\* for Tough Demolition

\*Including options

## Control and Safety

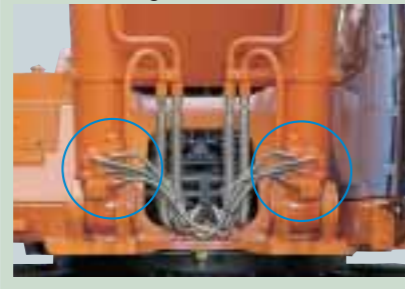
### Slow Return Valves

Regulates the lowering speed of the high-lift front, even using the crusher.



### Holding Valves

Keeps hydraulic oil inside even if any boom cylinder hose ruptures, avoiding boom lowering.



### Headguard and Front Window Guard (Lower)

Protects the operator from flying objects and collision with obstacles.



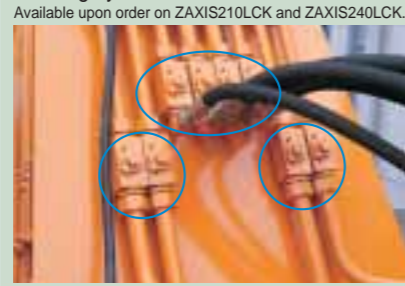
### Boom Angle Indicator

Indicates high-lift boom inclination angle.



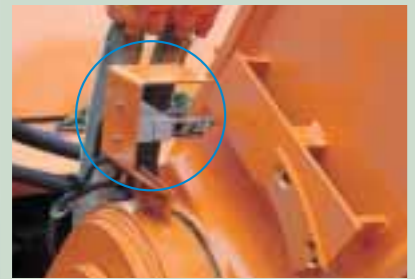
### Stop Valves at Boom Foot

Stop valves at boom foot close stop valves while exchanging the front attachment, avoiding hydraulic oil flow-out.



### Boom Angle Alarm

Alerts the operator of excess boom inclination.



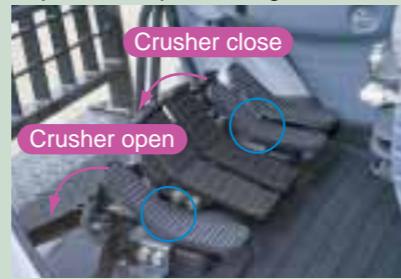
### Overhead Glass Window with Wiper

Keeps good upward visibility for easy elevated operation.



### Attachment Control Pedals (Options)

2-pedal control of the crusher. Depressing the front side of each pedal helps reduce operator fatigue.



### Swing Alarm (Option)



### Loudspeaker (Option)

Maintains smooth communications between operator and workcrew.



### Tiltable Cab (Option)

The cab can be tilted up to 30 degree to keep the operator in comfortable position for elevated operation.



## Durability

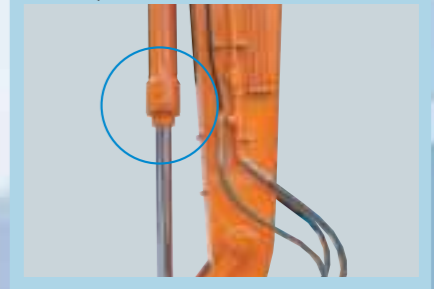
### Track Undercover and Reinforced Full Upperstructure Undercover

Hoses, piping and valves are protected from damage by obstruction such as steel reinforcement.



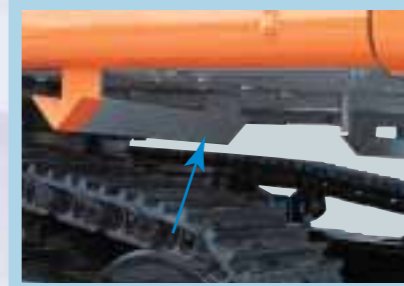
### Reinforced Bucket Cylinder

Uses larger cylinder and rod diameters for higher durability (except for some models)



### Revolving Frame Side Protection (Option)

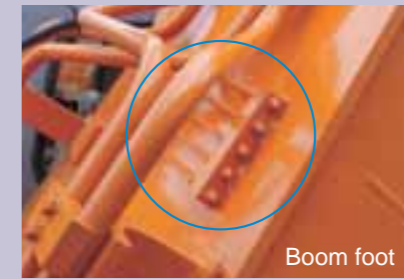
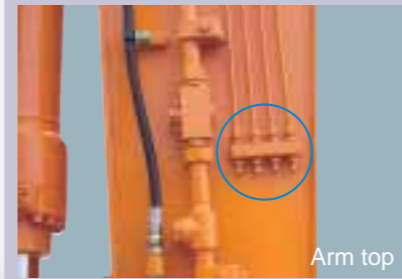
Protects frame sides and undercarriage from damage by building-waste projectiles.



## Maintainability

### Centralized Front Lubrication

Lubricating points are centralized at boom foot and arm top for easy daily servicing.



### Sprinkler (Option)

Water can be sprayed from the operator seat through piping.



### Electric Grease Gun

(Options on ZAXIS210LCK to ZAXIS350LCK)



### Track Tray (Option)

Holds tool kit for front attachment, hydraulic hoses, etc.



### Other Options

- Refuel pump
- Bucket cylinder guard

# A Wide Selection of High Lifts

## Crusher Type, Using 3-Stage High-Lift Front

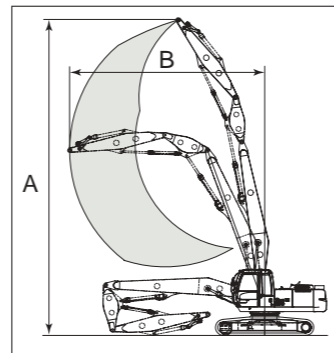
There are crusher type, multi-purpose type, and high lift + backhoe type. Also, two types of fronts are available:

- 2-stage front: Boom + arm
- 3-stage front: Boom + arm + intermediate arm

### Specifications

	ZAXIS210LCK	ZAXIS240LCK	ZAXIS350LCK	ZAXIS350LCK	ZAXIS450	ZAXIS450LC	ZAXIS600(LC)	ZAXIS850H
Front	3-stage	3-stage	3-stage	3-stage	3-stage	3-stage	3-stage	3-stage
Model	S-HL200	S-HL230	S-HL350	S-HL350	S-HL400	S-HL450	S-HL600	S-HL800
A: Max. working height mm	13 000	15 900	20 000	22 000	24 000	26 000	27 600	33 000
B: Max. working reach mm	7 960	8 740	11 100	11 600	13 810	14 400	15 300	17 500
Operating weight (excl. crusher) kg	22 600	27 950	36 650	37 300	49 250	52 550	63 600	84 400
Max. crusher weight kg	2 100	2 400	2 400	2 000	2 400	2 100	2 400	2 400

### Working Ranges



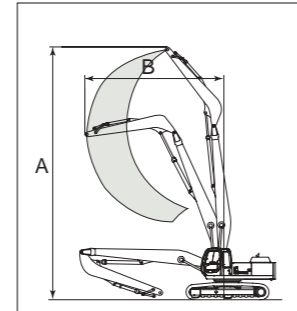
## Multi-Purpose Type, Using 2-Stage High-Lift Front

2-stage high-lift front operation (demolition) plus backhoe front operation (crushed concrete collection, grading, loading and light-duty excavation)

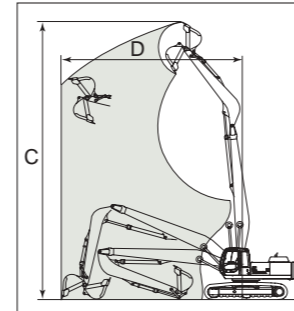
### Specifications

	ZAXIS200LC	ZAXIS200LC	ZAXIS240LCK	ZAXIS350LCK
Front	2-stage	2-stage	2-stage	2-stage
Model	S-HL200-N2-C	S-HL200-N2-B	S-HL230-SBB	S-HL300-SBB
High lift:				
A: Max. working height mm	13 000	13 700	14 000	16 000
B: Max. working reach mm	6 920	7 750	8 770	10 000
Backhoe:				
C: Max. cutting height mm	14 500	15 200	15 500	17 500
D: Max. digging reach mm	10 000	10 000	11 000	14 000
Operating weight (excl. crusher) kg	21 000	21 000	26 600	34 700
Max. crusher weight kg	2 400	1 900	2 400	2 400
Bucket capacity m <sup>3</sup>	0.8	0.8	0.91	0.91

### Working Ranges (High-lift front operation)



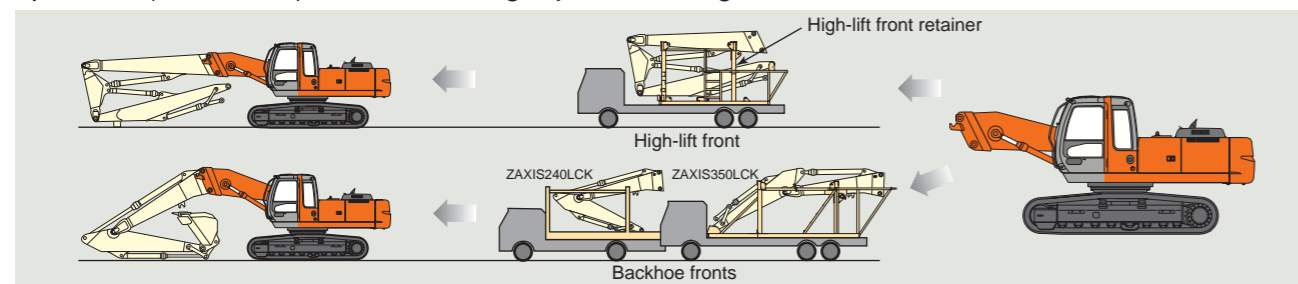
### Working Ranges (Backhoe front operation)



Backhoe operation is limited to grading, loading and light-duty excavation.

## (High Lift + Backhoe) Type, Using 3-Stage High-Lift Front and Backhoe Front

High-lift front operation (demolition and foundation breaking) plus backhoe front operation (excavation) available through quick exchange of the front.



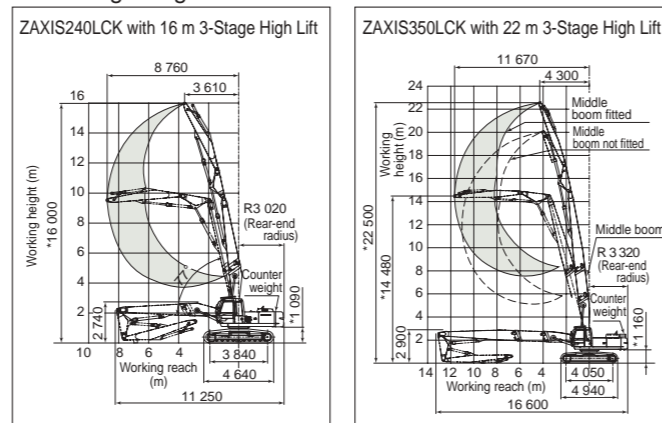
### Specifications

	ZAXIS240LCK	ZAXIS350LCK	ZAXIS450LC
Front	3-stage	3-stage	3-stage
Model	S-HL230	S-HL350	S-HL450
High lift:			
Max. working height mm	16 000	22 500 (20 000 <sup>*1</sup> )	26 000 (24 000 <sup>*2</sup> )
Max. working reach mm	8 760	11 670 (11 000 <sup>*1</sup> )	14 350 (13 800 <sup>*2</sup> )
Operating weight (excl. crusher) kg	28 200	37 800 (36 800 <sup>*1</sup> )	53 250 (52 100 <sup>*2</sup> )
Max. crusher weight kg	2 000	2 000 (2 400 <sup>*1</sup> )	2 100 (2 400 <sup>*2</sup> )
Backhoe:			
Max. cutting height mm	10 240	12 180	11 880
Max. digging reach mm	10 450	11 820	12 370
Operating weight kg	25 500	34 250	49 400
Bucket capacity m <sup>3</sup>	0.8	1.15	1.9

\*1 Data when using 20 m high lift.

\*2 Data when using 24 m high lift.

### Working Ranges



### Standard and Optional Equipment

Use *1	ZAXIS210 LCK			ZAXIS240 LCK			ZAXIS350 LCK				ZAXIS450 (LC)		ZAXIS600 (LC)	ZAXIS850 H
	Crusher	Crusher	Multi	Crusher	Multi	High	Crusher	Multi	Multi	High	Multi	Multi	Multi	Multi
Front	2-stage 13m	2-stage 13.7m	3-stage 13m	2-stage 14m	3-stage 15.9m	3-stage 16m	2-stage 16m	3-stage 20m	3-stage 22m	3-stage 22.5m	3-stage 24m	3-stage 26m	3-stage 27.6m	3-stage 33m
Max. front weight (t)	2.4	1.9	2.1	2.4	2.4	2.0	2.4	2.4	2.0	2.0	2.4	2.1	2.4	2.4
Upperstructure														
Weighted counterweight *2	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Additional counterweight *2	—	—	—	○	○	○	○	○	○	○	○	○	○	○
Attachment swing piping *3	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Attachment control pedals (2-pedal) *3	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Reinforced bucket cylinder (demolition)	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Bucket cylinder guard	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Reinforced full upperstructure undercover	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Revolving Frame side protection	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Machine cover skirt	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Undercarriage														
Track undercover	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Safety devices														
Boom angle indicator	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Boom angle alarm	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Holding valves	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Slow return valves	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Overhead glass window w/wiper	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Headguard	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Cab front window guard (upper)	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Cab front window guard (lower)	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Swing alarm	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Travel alarm	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Servicing devices														
Centralized lubrication (front)	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Electric grease gun	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Stop valves (boom foot)														
Air cleaner (double elements)	○	○	○	○	○	○	○	○	○	○	○	○	○	○
Refuel pump	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Track tray	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Miscellaneous														
Loudspeaker	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Sprinkler	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Front attachment retainer	—	—	—	—	—	—	—	—	—	—	—	—	—	—

### NOTES:

The above table shows major equipment on the high-grade version.

\*1 Multi: Multi-purpose type

Crusher: Crusher type

High: (High lift + backhoe) type

\*2 Varies depending on basic machine and grade.

\*3 Attachment control pedals (2-pedal) are not available on the machine fitted with attachment swing piping.

## Special Version

### Backhoe + 2-Stage High-Lift Front

Special specifications are available to meet specific job requirements.

### Specifications

Model	ZAXIS130K-B
Front type	2-stage high-lift front
Max. working height mm	10 300
Max. working reach mm	5 450
Max. cutting height mm	11 560
Max. digging reach mm	7 000
Operating weight (excl. crusher) kg	13 000
Max. crusher weight kg	1 400
Bucket capacity m <sup>3</sup>	0.45

Backhoe operation is limited to grading, loading and light-duty excavation.



● Positioned for demolition

# Hitachi High Lift Series



*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, go through Operator's Manual for proper operation.*

## Hitachi Construction Machinery Co., Ltd.

**Head Office:** 5-1 Koraku 2-chome, Bunkyo-ku,  
Tokyo 112-8563, Japan

**Telephone:** 81-3-3830-8050

**Facsimile:** 81-3-3830-8204

KA-E168

04.03(KA/KA,MT3)

Printed in Japan