# HITACHI

# **HIGH REACH DEMOLITION**

ZA/IS 250LCK/350LCK/470LCH/480LCK/1000K



High Reach Demolition Series

**Multi-Boom Series** 

# **Sturdy Body for Tough Demolition Applications**

# **Assortment of Devices and Meters**





Keep adequate lowering speed of the high reach demolition front: Avoid rapid lowering due to weights of the high reach demolition front and crusher.

#### High-Pressure Couplers



Facilitate the exchange and storage of the front.

#### Monitoring System



#### Holding Valves

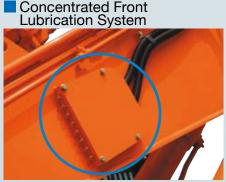


Due to hydraulic oil retention rapid lowering of the boom is prevented even in the event of boom cylinder hose rupture.

#### Boom Angle Alarm



Alerts the operator of excess lowering angle of the boom of the high reach demolition front by sounding buzzer.



Concentrates lubricating points at the boom foot and arm top of the high reach demolition front for simple daily servicing.

Boom Angle Indicator



Indicates the high reach demolition arm inclination angle.

#### Overhead Glass Window with Guard



Gives good upward visibility for efficient elevated operations.

#### Loudspeaker



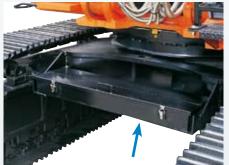
Allows the operator to make smooth communication with work crew.

#### Track Undercover and Reinforced Full Upperstructure Undercover



Protect the covered hoses, piping and valves from damage by collision with obstacles (reinforcements, etc.) during operation.

### Track Tray (Optional)



Holds a tool kit for replacement of front attachment, hydraulic hoses, etc.

# Dual Crusher Pedals (Optional)

Dual-pedal control of the crusher for closing and opening. It requires simple one-way depressing at the front side of the pedal, reducing operator's fatigue.

Swing Alarm (Optional)



## Muck Remover and Angle-Reinforced Skirt (Optional)



Tilting Cab (Optional)



The cab can be tilted up to 30° for effortless elevated operations, without need for looking upward, reducing operator's fatigue.



Cylinder guards



Sidewalk (Optional)



- Other Optional Equipment
- Refuel pump
- Sprinkler piping

NOTE: Optional equipment may vary or may not attach according to models and specifications.

Some of this brochure photos shown may include customer's specified colors and optional equipment.



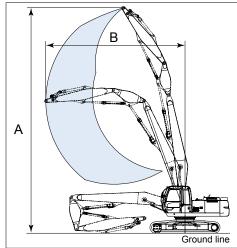
# Crusher Front

The high reach demolition front consists of three sections: boom, intermediate arm and arm.

Model		ZX250LCK-3	ZX350LCK-3	ZX470LCH-3	
Front type	ont type		3-stage	3-stage	
Front model		HL250	HL350-E	HL450-D	
A: Max. working height	mm	16 000	21 000	25 000	
B: Max. working reach	mm	8 730	12 000	13 800	
Operating weight	kg	30 300	41 000	59 200	
Max. crusher weight	kg	2 500	2 500	2 500	

#### Working Ranges

Specifications



# Standard and Optional Equipment

Model	ZX250LCK-3	ZX350LCK-3	ZX470LCH-3	: Standard •: Optional -: No setti Remarks
Upperstructure	ZA200LUK-3	27000LOK-3	ZA47ULUH-3	nemarks
		0	0	
Reinforced main frame	0	0	0	
Holding valve		0		
Undercover, 6 mm	0	0	0	
Foldable side steps	•			At cab door
Angle-reinforced frame skirt	•		•	
Muck remover	•		•	
Indercarriage	0			
Track undercover, 9 mm	Ø	0	O	
Track guards	2 each side	3 each side	3 each side	
Full track guard	•	•	•	
Veight	-	-		
Heavier counterweight	O	O	O	
Cabs				
Demolition cab I	•	$\bullet$	•	Twin wipers
Demolition cab II	Ô	O	O	OPG guard (level II), twin wipers
2 front lights on cab	O	O	O	Standard on all types of cabs
Rear light on cab	•	•	•	
Cab front-steps	O	O	O	
Tilting cab	_	$\bullet$	•	
ligh reach demolition front				
Boom light	O	0	O	
Concentrated lubrication system	O	0	O	
Tilt cylinder guard	•		•	
Obstacle guard	•			
Piping				
Attachment piping	O	0	O	
Spare port relief valve	O	0	O	
2-speed selector	0	0	0	
Pilot accumulator	Ō	Õ	Õ	
Front speed control valve	Õ	Õ	Õ	
PTO piping	0	©	0	For 3-stage intermediate arm cylinder
Attachment swing piping				
Hydraulic				Lauran anta
·Electric	•	•	•	Lever grip
Sprinkler piping	•	•	•	Water pressure: 20 kgf/cm <sup>2</sup> or lower
liscellaneous				
Loudspeaker	Ô	0	O	
Air cleaner w/double elements	O	0	0	
Precleaner	•	$\bullet$	•	
High-performance full-flow filters	Ô	O	—	
Lubricator (pail can type)	—	—	Ô	
Lubricator (cartridge type)	_	•	•	Cartridge type not selectable together with pail can type
Swing alarm	•	•	•	
Travel alarm	•	•		
Rear view camera	Ô	Õ	Ô	
Refuel pump	•	•	•	
Tool box (track tray)			Ă	

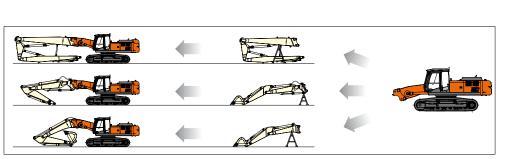
# **Multi-Boom Series**

Applicable for Demolition of Various Buildings: • High-Rise Buildings • Mid-Rise Buildings

- Foundations
- · Large-sized undercarriage capable of sustaining the multi-boom front
- · Reinforced upperstructure, including strengthened frame
- Exclusively strengthened boom cylinder for bigger power

# Multi-Boom Front

The multi-boom front is applicable for building demolition and foundation breakage, using the crusher. The front attachment can be quickly exchanged according to job needs. Using the backhoe bucket, this front can make efficient excavation equivalent to the demolition front.

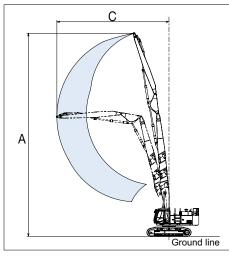


# High Reach Demolition Front

# Specifications

Model		ZX250LCK-3	ZX350LCK-3	ZX480LCK-3	ZX1000K-3
Front type		Multi-boom	Multi-boom	Multi-boom	Multi-boom
Front model		MB250	HL350MB	MB450-A	MB1000
Standard front					
A: Max. working height	mm	16 000	21 000	25 000	40 000
C: Max. working reach	mm	8 730	12 000	13 800	22 100
Max. crusher weight	kg	2 500	2 500	2 500	2 400
Operating weight	kg	31 000	42 900	61 300	105 700

### Working Ranges



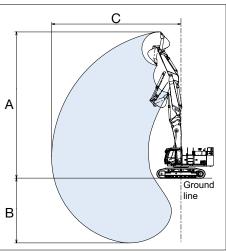


# Two-Piece Front

# Specifications

Model		ZX350LCK-3	ZX480LCK-3	ZX1000K-3
Front type		Multi-boom	Multi-boom	Multi-boom
Front model		HL350MB	MB450-A	MB1000
Demolition				
A: Max. working height	mm	13 400	14 600	18 300
C: Max. working reach	mm	11 800	12 700	16 100
Max. crusher weight	kg	3 500	4 500	6 600
Operating weight	kg	43 900	61 600	106 000
Bucket				
A: Max. working height	mm	15 100	16 500	20 500
B: Max. digging depth	mm	7 820	7 460	8 130
C: Max. working reach	mm	13 400	14 600	18 300
Max. bucket capacity	m <sup>3</sup>	1.4	1.9	3.4
Operating weight	kg	41 800	58 700	103 000

## Working Ranges



The two-piece boom can expand working ranges.

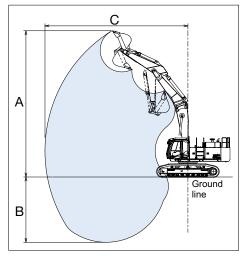
An extra-large crusher can be optionally attached.

# Backhoe Front

# Specifications

Model		ZX250LCK-3	ZX350LCK-3	ZX480LCK-3	ZX1000K-3
Front type		Multi-boom	Multi-boom	Multi-boom	Multi-boom
Front model		MB250	HL350MB	MB450-A	MB1000
Demolition					
A: Max. working height	mm	8 950	10 900	11 100	11 900
C: Max. working reach	mm	8 880	10 200	10 600	11 800
Max. crusher weight	kg	2 600	3 500	4 500	6 600
Operating weight	kg	28 400	39 400	57 300	96 500
Bucket					
A: Max. working height	mm	10 430	12 500	12 800	13 500
B: Max. digging depth	mm	7 020	6 410	5 700	6 670
C: Max. working reach	mm	10 450	11 900	12 500	14 000
Max. bucket capacity	m³	1.0	1.4	1.9	3.4
Operating weight	kg	26 700	37 300	54 300	92 600

Working Ranges

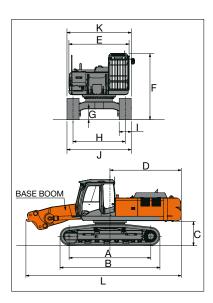


# Dimensions

			ZX250LCK-3	ZX350LCK-3	ZX480LCK-3	ZX1000K-3		
A	Distance between tumblers	mm	3 845	4 050	4 470	5 110		
В	Undercarriage length	mm	4 640	4 950	5 470	6 360		
*1 C	Counterweight clearance	mm	1 090	1 160	1 320	1 580		
D	Rear-end swing radius	mm	2 940	3 550	3 810	4 820		
E	Overall width of upperstructure	mm	2 890	3 420	3 560	4 070		
F	Overall height of cab	mm	3 150	3 290	3 450	3 780		
*1 G	Min. ground clearance	mm	460	500	720	730		
Н	Track gauge : Extended / Retracted	mm	2 590	2 590	2 890 / 2 390	3 450 / 2 830		
1	Track shoe width	mm	G600	G600	G600	G650		
J Undercarriage with			3 190	3 190	3 490 / 2 990	4 100 / 3 480		
K	Overall width	mm	3 190	3 520	3 720	4 400		
L	Overall length with additional weight	mm	6 610	7 710	8 180	10 420		
	without additional weight	mm	6 400	7 370	7 960	10 140		
*2 T	ansportation weight	kg	22 900	31 200	35 500	65 600		
*	*1 Excluding track shoe lug G: Triple grouser shoe							

\*1 Excluding track shoe lug

\*2 Excluding additional weight



# Standard and Optional Equipment

2 front lights on cab       Image: Color of the second secon	Model	ZX250LCK-3	ZX350LCK-3	ZX480LCK-3	ZX1000K-3	Remarks
increased lifting forceOOReinforced main frameOOOBoom cylinder with enlarged boreOOOHolding valveOOOOOHolding valveOOOOOHolding valveOOOOOFoldable side stepsAt cab doorFoldable full sidewalkOLeft sideAngle-reinforced frame skirtOLeft sideMuck removerOOIUndercarriageOOITrack undercover, sideOOOIJack-up systemOITrack guards2 each side3 each side3 each side3 each sideFull track guards0OOOSplit counterweightODemolition cab IIOOOOPG guard (level I twin wipersDemolition cab IIOOOOPG guard (level I twin wipers2 front lights on cabBoom lightsOOOOBoom lightsOOOOHark statesTrack guardsSplit counterweight	Upperstructure					
frame-OOOBoom cylinder with enlarged bore-OOOHolding valveOOOOHolding valveOOOOHolding valveOOOOUndercover, 6 mmOOOOFoldable side stepsOOOLeft sideFoldable full sidewalkOLeft sideAngle-reinforced frame skirtOOOLeft sideMuck removerOOOOPRetractable TrackOOPTrack guards2 each side3 each side3 each side3 each side3 each side3 each sideFull track guardOOOOOOTrack guards2 each side3 each side3 each side3 each side3 each sideFull track guardOOOOOCabsOOODemolition cab IOOOOOO2 front lights on cabOOOOOORear light on cabOOOOOOFrontOOOOBoom lightsOOOONA sidesFull track guardOO	increased lifting	_	_	O	O	
with enlarged boreOOOHolding valveOOOOHolding valveOOOOG mmOOOOFoldable side steps••At cab doorFoldable full sidewalkAt cab doorFoldable full sidewalkAt cab doorFoldable full sidewalkOLeft sideAngle-reinforced frame skirt•••*Muck remover•••••UndercarriageOOIRetractable Track guardsOOJack-up systemOOTrack guards2 each side3 each side3 each side3 each sideFull track guard••••Split counterweightOOOOPG guard (level IVeight·····Demolition cab IIOOOOOPG guard (level IVin wipersOOOOOZ front lights on cab···Cob fornt-stepsOOOOOTilting cab····Front·····Boom lightsOOOOOAuto lubrication		—	O	O	O	
Undercover, 6 mmImage: constraint of the constraint of	with enlarged	-	O	O	O	
6 mmImage: Constraint of the second seco	Holding valve	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	
stepsImage: steps		O	O	O	O	
sidewalk       -<		•	•	—	_	At cab door
frame skirtImage: Section of the submertion of the submerti		—	—	O	0	Left side
Undercarriage       Image: state		•	•	•*	•*	*Right side only
Retractable TracksOOJack-up systemOOTrack undercover, 9 mmOOOOTrack guards2 each side3 each side3 each side3 each side3 each sideFull track guardOOOOWeightOOOOSplit counterweightOOOODemolition cab IOOOOPG guard (level I twin wipersDemolition cab IIOOOOPG guard (level I twin wipersCabsIIIIDemolition cab IIOOOCab front-stepsOOOTilting cabIIIFontIIIBoom lightsOOOAuto lubricationIAuto lubricationIImage: Image: I	Muck remover	$\bullet$	•	•	•	
Tracks00Jack-up system000Track undercover, 9 mm00000Track guards2 each side3 each side3 each side3 each side3 each side3 each sideFull track guard00000Weight00000Split counterweight0000Demolition cab I0000Demolition cab II0000Atron lights on cab0000Tilting cab-600Front-0000Boom lights0000*L & R sidesAuto lubrication0Boom foot, and boom cylinder	Undercarriage					
Track undercover, 9 mm       Image: Second state s		—	—	O	O	
9 mm003 each side3 each side3 each sideTrack guards2 each 	Jack-up system	-	—	—	$\bigcirc$	
Irack guards       side       side       side       side         Full track guard       •       •       •       •       •         Weight       •       •       •       •       •       •         Split counterweight       •       •       •       •       •       •         Cabs       •       •       •       •       •       •       •         Demolition cab I       •       •       •       •       •       •       •         Demolition cab II       •       •       •       •       •       •       •         2 front lights on cab       •       •       •       •       •       •       •         Rear light on cab       • <t< td=""><td></td><td>O</td><td>O</td><td>O</td><td>O</td><td></td></t<>		O	O	O	O	
Weight       Image: split counterweight counterweight       Image: split counterweight counterweight       Image: split counterweight counterweight counterweight       Image: split counterweight counte	Track guards					
Split counterweight       Image: Split counterweight       Image: Split counterweight       Image: Split cabs       Image: Split cabs       Image: Split cabs       Image: Split cab       Ima       Ima       Image: Split cab <th< td=""><td>Full track guard</td><td><math>\bullet</math></td><td>•</td><td>•</td><td>•</td><td></td></th<>	Full track guard	$\bullet$	•	•	•	
counterweight       Image: Counterweight       Image: Counterweight       Image: Counterweight         Cabs       Image: Counterweight       Image: Counterweight       Image: Counterweight       Image: Counterweight         Demolition cab I       Image: Counterweight       Image: Counterweight       Image: Counterweight       Image: Counterweight       Image: Counterweight         Demolition cab II       Image: Counterweight       Image: C	Weight					
Demolition cab I       •       •       •       Twin wipers         Demolition cab II       •       •       •       •       OPG guard (level I twin wipers         2 front lights on cab       •       •       •       •       •       •       •         Rear light on cab       •       •       •       •       •       •       •       •         Tilting cab       -       •       •       •       •       •       •       •         Front       •       •       •       •       •       •       •       •         Boom lights       •       •       •       •       •       •       •       •         Auto lubrication       -       -       -       •       ©       ©       ©       •		O	O	O	O	
Demolition cab II       Image: Constraint of the constraint of	Cabs					
2 front lights on cab       Image: Constraint of the cab       Image: Constraint of the cab       Image: Constraint of the cab         Rear light on cab       Image: Constraint of the cab       Image: Constraint of the cab       Image: Constraint of the cab         Rear light on cab       Image: Constraint of the cab       Image: Constraint of the cab       Image: Constraint of the cab         Rear light on cab       Image: Constraint of the cab       Image: Constraint of the cab       Image: Constraint of the cab         Cab front-steps       Image: Constraint of the cab       Image: Constraint of the cab       Image: Constraint of the cab         Tilting cab       Image: Constraint of the cab       Image: Constraint of the cab       Image: Constraint of the cab         Front       Image: Constraint of the cab       Image: Constraint of the cab       Image: Constraint of the cab         Boom lights       Image: Constraint of the cab       Image: Constraint of the cab       Image: Constraint of the cab         Auto lubrication       Image: Constraint of the cab       Image: Constraint of the cab       Image: Constraint of the cab         Auto lubrication       Image: Constraint of the cab       Image: Constraint of the cab       Image: Constraint of the cab         Image: Constraint of the cab       Image: Constraint of the cab       Image: Constraint of the cab       Image: Constrai         Image: Constraint	Demolition cab I	•	•	•	•	Twin wipers
cab       Image: Cab       Ima       Ima       Image: C	Demolition cab II	O	O	O	O	OPG guard (level II), twin wipers
Cab front-steps       O       O       O         Tilting cab       -       •       •       •         Front       -       •       •       •         Boom lights       O       O       O*       *L & R sides         Auto lubrication       -       -       -       O       Boom foot, and boom cylinder		O	O	O	O	
Tilting cab       -       •       •       •         Front       •       •       •       •         Boom lights       O       O       O       *L & R sides         Auto lubrication       -       -       O       Boom foot, and boom cylinder	Rear light on cab	$\bullet$	•	$\bullet$	•	
Front       Image: Second	Cab front-steps	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	
Boom lights       Image: Constraint of the state of the	Tilting cab	-	•	$\bullet$		
Auto lubrication — — — — © Boom foot, and boom cylinder	Front					
Auto lubrication boom cylinder	Boom lights	O	O	O	⊚*	*L & R sides
High roach	Auto lubrication	-	—	—	O	
Tilt cylinder guard	Tilt cylinder guard	•	•	•	•	High reach demolition only
Obstacle guard	Obstacle guard	•	•	•	O	

		◎:	Standard	• : Opti	onal —: No setting
Model	ZX250LCK-3	ZX350LCK-3	ZX480LCK-3	ZX1000K-3	Remarks
Piping					
Basic attachment piping	O	O	©*	⊚*	W / line filters
Common piping for HSB breaker/ crusher	O	O	O	O	
Common piping for NPK breaker/ crusher	O	O	O	0	W / accumlator
2-speed selector	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	
Pilot accumulator	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	
Front speed control valve	O	O	O	O	
Arm selector	O	O	O	O	High reach demolition and 2P/BH selectable from cab
Attachment swing piping	•	•	•	•	
<ul> <li>Hydraulic</li> </ul>	•	•	•	•	
· Electric	•	•	•	•	Lever grip
Sprinkler piping	•	٠	•	٠	Water pressure: 20 kgf/cm <sup>2</sup> or lower
Miscellaneous					
Loudspeaker	$\bigcirc$	$\bigcirc$	$\bigcirc$	$\bigcirc$	
Air cleaner w/ double elements	O	O	O	O	
Precleaner	•	$\bullet$	•	$\bullet$	
High- performance full-flow filters	O	O	_	_	
Line filters	—	—	$\bigcirc$	$\bigcirc$	
Lubricator (pail can type)	-	_	O	O	
Lubricator (cartridge type)	_	•	●*	●*	*Cartridge type not selectable together with pail can type
Swing alarm	•	•	•	•	
Travel alarm	•	$\bullet$	•	$\bullet$	
Rear view camera	$\bigcirc$	$\odot$	$\bigcirc$	$\bigcirc$	
Refuel pump	•	•	•	•	
Tool box (track tray)	•	•	•	—	

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. Please ensure you have read and understood the Operator's Manual to ensure correct operation of the equipment.

# Hitachi Construction Machinery Co., Ltd. www.hitachi-c-m.com