

# H4 SERIES

## HMK 310 LC



**HIDROMEK**









# New H4 Series

## Innovation coming from experience

Being produced with developed hydraulic system design, HIDROMEK's new H4 Series excavators offer an outstanding performance by working faster, more productively and more efficiently. H4 Series excavators produce more work with less fuel; hence, they are more profitable for their users than ever.

# H4

## SERIES

Performance.....	6-7
Durability.....	8-11
Safety.....	12-13
Technology.....	14-15
Comfort.....	16-17
HIDROMEK Smartlink - Ease of Service.....	18-19
Technical Features .....	20-25

The information and images, and equipment presented in this brochure are either standard or optional depending on the configuration. HIDROMEK has the right to modify the specifications and the designs of the model indicated in this brochure without prior notice.









# More work within less time

## 17 % More productive\*

Shortening the work cycle time with bigger bucket capacity and speed, H4 Series carry the productivity to the top level with their new technology.

## 7 % More efficient\*

With improvements to the attachment and hydraulic group, H4 Series excavators ensure more work within less time.

## 10 % Faster\*

With faster hydraulic movements due to developed hydraulic system design, H4 Series excavators ensure more work within less time.

\* The data are prepared in comparison with the previous serie in HP mode.







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310

HM310LC

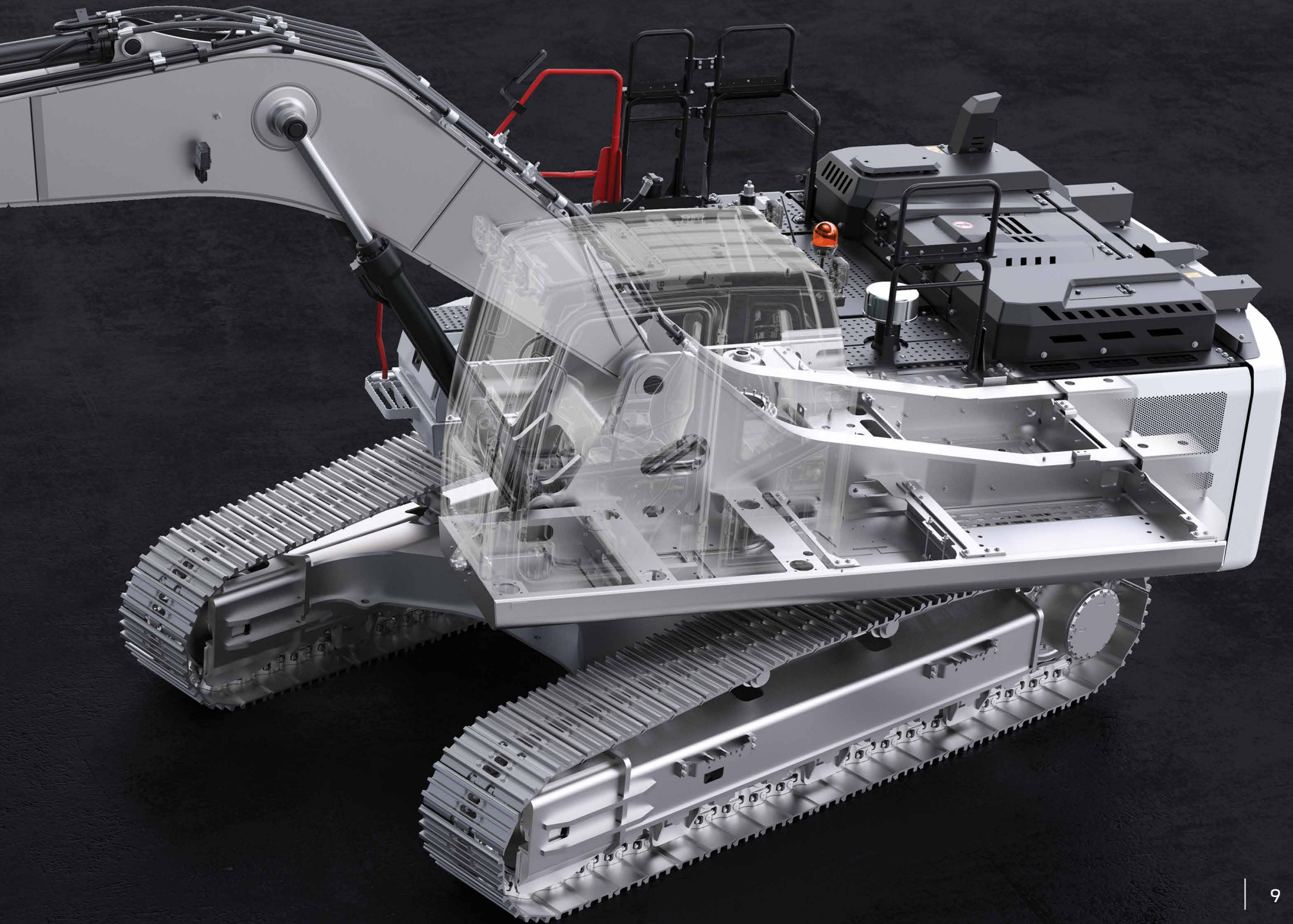




# More durable

Produced to have reinforced heavy duty construction considering maximum performance, long life and smooth operation in severe field conditions, HÍDROMEK excavators ensure more durability with the improvements made in the new H4 Series.

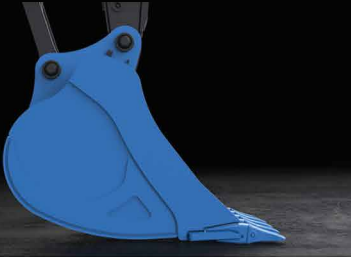




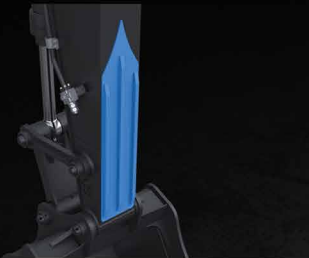




① More durable anti-wearing plates (Hardox 450 HB)



② Optimized bucket form



③ Reinforced arm supporting parts



④ Reinforced casting tip



⑤ Heavy duty arm



⑥ Reinforced boom structure



⑦ Reinforced boom cylinder cast bearing



⑧ Reinforced lowerframe and undercarriage components

## Reinforced heavy duty construction

With their reinforced heavy duty construction produced at HÍDROMEK's modern production facilities and going through sensitive quality-control processes, H4 Series excavators have excellent durability.

## Bronze-Graphite Bushings



Bronze-graphite bushings used in boom-arm and boom-frame connection points increase the lubrication period, and greatly prevent the wear of the pins because of graphite, having a very high grease absorption and retention capability, embedded in the inner structure of the bushings.







# Safeworkingenvironment

## ROPS&FOPS cabin

Having the standards of ROPS (Roll Over Protective Structure) & FOPS (Falling Object Protective Structure), H4 Series excavators provide maximum safety and durability.

## Wide vision capacity

Designed with giving special importance to occupational safety, H4 Series ensure excellent vision by minimizing the blind spot on the side and rear cameras. Along with the increase in the number of led headlights, the night vision is significantly improved on H4 Series excavators; in addition, there are also red handles and warning labels providing maximum safety for the operator.

## Audio warning systems

H4 Series excavators enable safer working environment with their automatic starting horn, swing warning system and travel warning system.

## Flame holder system

Where sparks are dangerous, regeneration inhibit feature is activated from the cabin, so flame from the exhaust is prevented temporarily.









# Shaped with technology

Electronic system of H4 Series excavators designed to protect the engine and hydraulic components to provide fuel saving and superior performance.

## Automatic stop system

In the new series, automatic stop system through configurable idling and stopping times provides fuel saving by stopping the engine after the machine is on idle. Automatic stop system in H4 Series helps to decrease the operational costs to minimum, and contributes to saving the environment.

## Safe fuel transfer pump

“Safe fuel transfer pump” added to H4 Series stops the pump automatically when the tank is full and this feature gets activated also when the pump does not transfer fuel for 30 seconds, and ensures that the pump stops automatically.

## Power boost technology

In H4 Series, power boost technology gets activated automatically in the conditions when the machine needs extra power, and ensures that the machine has the proper performance for the work.

## 8” Touch control panel

8 inch touch control panel is positioned ergonomically at a point that the operator can easily reach it. Touch control panel having high quality hardware and a large screen easily enables to control the machine features and access to machine information.

The features of touch control panel:

- It offers multi-language option
- Music system is integrated into 8” touch control panel.
- It allows the operator to adjust the flow required for the attachment without leaving the cab and save this information for 20 different attachments.
- Selection of double or single acting line can also be done over the user panel.
- During travel, rear and side view cameras with improved image quality and activated automatically can be controlled.
- Information on the average and instant fuel consumption can be obtained.
- Information on status such as atmospheric pressure, turbo boost pressure, fuel pressure and hydraulic pump pressure can be obtained.
- User can acquire working hour information such as work, attachment and travel.
- Maintenance registries can be obtained, and the user is warned when the maintenance time approaches.
- Failure codes and registries can be obtained.
- Audio warning systems can be controlled.







# OPERA, the guide of the field

H4 Series excavators are equipped with Opera (HIDROMEK Operator Interface) for the operator to use the machine easily, and feel comfortable and relaxed as he is in an office environment.

## Functions to be controlled by means of Opera

- Engine RPM control
- Access to control panel menu
- Functions of lights, windshield wipers and rear view camera
- Music system control
- Auto stop control of the engine to ensure maximum fuel economy during low idle
- On H4 Series machines, the preheating system available to protect the engine and hydraulic systems can be controlled via Opera.



# The aesthetic design of power

The seat ergonomic, heated, air suspended and having 35 degrees adjustable backrest angle is provided in H4 Series, and it enables the operator to work comfortably and without getting tired for long working hours.

H4 Series which has many features\* such as proportional control pedals and joysticks, throttle control dial, operator touch screen, interior light, cup holder and heating-cooling box give more importance to user comfort.

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\* Other features for user comfort on H4 Series machines can be found on page 21.



# Office comfort in construction equipment

## Automatic air conditioning system

Air vents and air conditioning system which can automatically adjust itself according to the ambient heat located in the redesigned cabin provide the best cooling performance in its class by 30%.

## Wide angle view

On the new series machines, the new two-piece windshield wiper system designed for creating more comfortable work environment provides a wide angle view which increases the work efficiency of the user.

## Led headlights for night vision

Led headlights on new H4 Series machines improve the night vision, and enable the operator to work more safely and comfortably.

## Dampers

By using 6 silicone dampers on H4 Series excavators, noise, shock and vibration are absorbed and prevented from being transmitted to the cabin under any working condition.





# You have the control with HÍDROMEK **SmartLink**

Telematic system HÍDROMEK Smartlink allows the user to easily access to machine location and technical information via computer and mobile phone.

## **Follow the work time and location of your machine through HÍDROMEK Smartlink!**

Through GPS tracking system, it is possible to track the location and the work time intervals of the machine.

## **Analyze your fuel consumption through HÍDROMEK Smartlink!**

It is possible to analyze fuel consumption according to the working conditions of the machine and daily fuel parameters.

## **Check the works for which your machine has been used through HÍDROMEK Smartlink!**

Through working mode information, it is possible to see the daily and total working hours of the machine for excavation and leveling and with crusher or with other optional attachments besides the power mode information and the speed ranges.

## **Follow your machine's maintenance through HÍDROMEK Smartlink!**

Under the Alerts list, the machine's upcoming maintenance can be checked while the information of the nearest authorized service can be obtained, and it can be contacted.

## **Contact the nearest authorized service or regional service through HÍDROMEK Smartlink!**

With the application, it is possible to obtain the information on Regional and Authorized Services of HÍDROMEK After Sales Services as well as the directions to them.

## **Have performance reports for the selected periods of time for your machines through HÍDROMEK Smartlink!**

For any selected periods of time, it is possible to have a report on daily fuel consumption, average fuel consumption, power and working modes, daily work time intervals and locations.



To download Smartlink application





## Easy maintenance and fast service for H4 Series through safe and easy access

H4 Series excavators, designed considering fast access to hydraulic and engine equipment, provide easy maintenance and service. Most of the maintenance can be easily carried out without getting on the machine, which shortens the service time and increases machine work time.

Automatic greasing system ensures that all parts of the machine can be lubricated from one single center.





## ENGINE

<b>Brand &amp; Model</b>	ISUZU-AQ-6HK1X	
<b>Type</b>	Water cooled, 4 cycles, 6 cylinders, inline, diesel engine with direct injection, turbocharger and intercooler	
<b>Power</b>	<b>Gross</b>	215 HP (161 kW) @1800 rpm / SAE J1995
	<b>Net</b>	207 HP (154 kW) @1800 rpm / SAE J1349
<b>Maximum Torque</b>	<b>Gross</b>	940 Nm @1500 rpm
	<b>Net</b>	903 Nm @1500 rpm
<b>Displacement</b>	7790 cc	
<b>Bore x Stroke</b>	115 mm x 125 mm	
<b>Emission Class</b>	U.S. EPA Tier 4 and EU Stage IV	

## HYDRAULIC SYSTEM

### MAIN PUMP

<b>Type</b>	2 axial piston pumps with variable displacement and swashplate
<b>Max. Flow Rate</b>	2 x 259 L/min
<b>Pilot Pump</b>	Gear type, 30,5 L/min

### WORKING PRESSURE

<b>Attachment</b>	350 kgf/cm <sup>2</sup>
<b>Power Boost</b>	380 kgf/cm <sup>2</sup>
<b>Travel</b>	350 kgf/cm <sup>2</sup>
<b>Swing</b>	285 kgf/cm <sup>2</sup>
<b>Pilot</b>	40 kgf/cm <sup>2</sup>

### HYDRAULIC CYLINDERS

<b>Boom</b>	2 x ø 135 x ø 95 x 1455 mm
<b>Arm</b>	1 x ø 150 x ø 105 x 1.760 mm
<b>Bucket</b>	1 x ø 135 x ø 95 x 1.195 mm

## SWING SYSTEM

<b>Swing motor</b>	Fixed swashplate piston motor integrated with super shock absorber valve
<b>Reduction</b>	2 stage, planetary gear type
<b>Swing Brake</b>	Hydraulic disc type, pilot operated and automatically released
<b>Swing Speed</b>	10,10 rpm

## LOWER FRAME

<b>Construction</b>	"X" type lower frame with pentagon shaped box type side frames
<b>Shoe</b>	Triple grouser
<b>No. of Shoes</b>	2 x 51 pieces
<b>No. of Lower Rollers</b>	2 x 9 pieces
<b>No. of Upper Rollers</b>	2 x 2 pieces
<b>Full Trackguard</b>	2 x 3 pieces
<b>Track Tensioner</b>	Hydraulic type with spring cushioning

## ELECTRICAL SYSTEM

<b>Voltage</b>	24 V
<b>Battery</b>	2 x 12 V / 150 Ah
<b>Alternator</b>	24 V / 50 A
<b>Starter Motor</b>	24 V / 5 kW

## TRAVEL AND BRAKES

<b>Travel</b>	Fully hydrostatic	
<b>Travel Motor</b>	Axial piston motor with 2 speed stages and swashplate	
<b>Reduction</b>	2 stage, planetary gear type	
<b>Travel Speed</b>	<b>High Speed</b>	5,1 km/h
	<b>Low Speed</b>	3,0 km/h
<b>Max. Traction</b>	25.460 kgf	
<b>Gradeability</b>	35° (%70)	
<b>Parking Brake</b>	Hydraulic disc type, pilot operated and automatically released	
<b>Ground Pressure (With 600 mm Shoe)</b>	0,61 kgf/cm <sup>2</sup>	

## FILLING CAPACITIES

<b>Fuel Tank</b>	475 L	<b>Engine Cooling System</b>	55 L
<b>Hydraulic Tank</b>	210 L	<b>Engine Oil</b>	37 L
<b>Hydraulic System</b>	395 L	<b>Urea</b>	70 L

## OPERATING WEIGHT (kg)

	Mono Boom	LR
HMK 310 LC	32.100	35.000
HMK 310 NLC	32.000	-



# EQUIPMENT

# HMK 310 LC

Engine	Standard	Optional
Water cooled diesel engine with turbocharger and intercooler	●	
Engine pre-heat function	●	
Automatic idling	●	
One touch auto-idle system	●	
Automatic stop function	●	
Two-stage air filter	●	
Air filter clogged indicator	●	
Low engine pressure warning system	●	
Overheat warning system	●	
Adjustable power modes	●	
High altitude working function	●	
Electronical engine control	●	

Hydraulic System	Standard	Optional
Boom and arm regeneration valve	●	
Automatic power boost	●	
Smooth boom feature		0
Main hydraulic filter	●	
Backup ports (valve)	●	
Cylinder cushioning and contamination seals	●	
Single-acting hydraulic line, breaker		0
Double- acting hydraulic line, crusher		0
Additional line		0
Quick coupling line		0
Attachment settings through instrument panel		0

OPERATOR'S CAB	Standard	Optional
Pressurized and sound isolated cabin	●	
Air-conditioning	●	
Air-suspension seat	●	
Heated seat		0
Operator touch screen	●	
Opera control system	●	
Throttle control dial	●	
Automatic travel speed (low / high)	●	
4 different working modes	●	
Sliding windscreen and removable lower windscreen	●	
Openable left door window	●	
Upper and lower windshield wiper	●	
Joysticks and pedals	●	
Travel pedals and control levers	●	
Proportional controlled pedals and joysticks		0
Electric horn	●	
Cigarette lighter	●	
Interior light	●	
Cup-holder	●	
Convenient storage	●	
Convenient storage (for equipment)	●	
Heating & Cooling box	●	
Easy-cleaned floor	●	
12V power socket	●	
Computer connection port	●	
Radio / mp3 / usb / Aux	●	

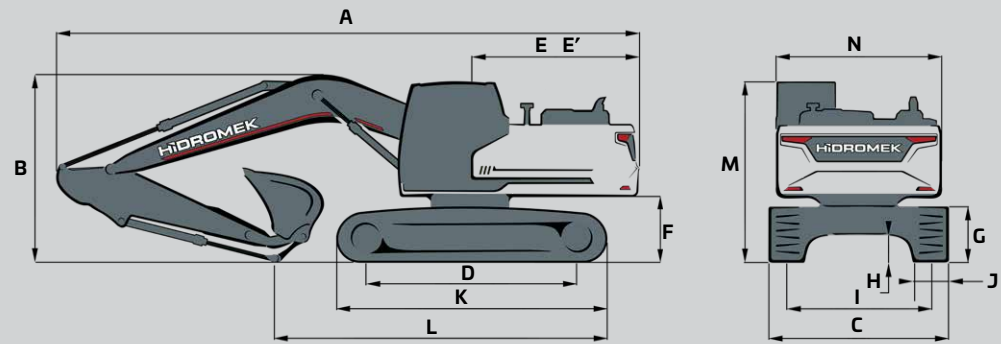
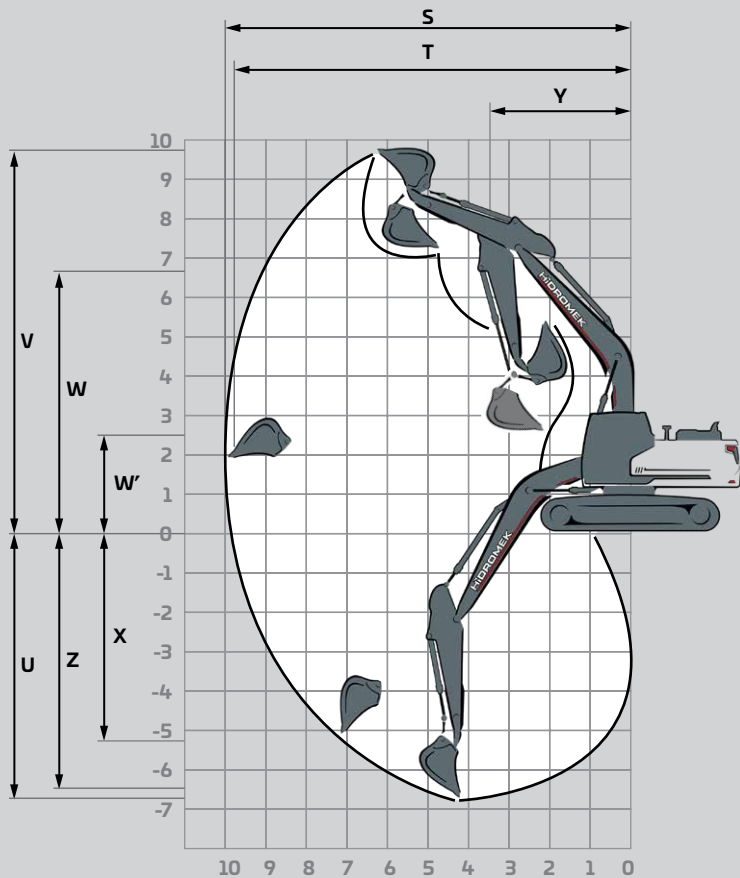
Lower Frame	Standard	Optional
Narrow Lower Chassis (NLC)		0
Track width options 700/800		0
Lubricated and sealed track components	●	
Dozer blade		0
Mooring points for shipment	●	

Safety	Standard	Optional
ROPS (Roll Over Protective Structure)	●	
FOPS (Falling Object Protective Structure)	●	
Rear view camera	●	
Side view camera		0
Right and left rear view mirrors	●	
Working lamps	●	
LED working lamps		0
Rotating beacon		0
Swing and travel alarm		0
Emergency engine stop switch	●	
Pilot operated and automatically released swing brake	●	
Boom and arm cylinder safety valve		0
Overload warning system		0
Battery cut-off switch	●	
Handrails by the steps and on the upper frame	●	
Perforated metal non-slip plates	●	
Safety locking device	●	
Safety glass	●	
Emergency hammer	●	
Lockable fuel tank cover	●	
Upper and lower guards for windshield		0
Operator's cab ceiling guard		0

Miscellaneous	Standard	Optional
Telematic system (HÍDROMEK Smartlink)		0
GEO System		0
Fuel transfer pump with automatic stop	●	
Water sensor on fuel pre-filter	●	
Bio oil B7	●	
Alternator - Battery	●	
Battery Charge Indicator	●	
Automatic lubrication system		0
Working lamp guards		0
Hydraulic breaker return line filter		0
Double pump combination function		0
Choosing single or double acting attachment on the instrument panel		0
Choosing the control method for the optional attachment		0
Boom cylinder piping guard		0
Bucket cylinder rod guard		0
Warning horn	●	
Counterweights		0

● STANDARD 0 OPTIONAL





### DIMENSIONS

		LC			NLC		
		Mono Boom		LR	Mono Boom		
<b>BOOM (m)</b>		<b>6,28</b>			<b>10,30</b>	<b>6,28</b>	
<b>ARM (m)</b>		<b>2,10</b>	<b>*2,50</b>	<b>3,07</b>	<b>7,80</b>	<b>2,50</b>	<b>3,07</b>
<b>GENERAL DIMENSIONS (mm)</b>	A) Overall Length	10930	10.880	10.790	14.800	10.880	10.790
	B) Overall height (to top of boom)	3.580	3.490	3.320	3.270	3.490	3.320
	C) Overall Width	3.200			3.400	2.990	
	D) Distance between tumblers	4.030					
	E) Distance from center of swing to rear end	3.235					
	E') Tail swing radius	3.255					
	F) Counterweight Clearance	1.205					
	G) Track Height	1.070					
	H) Ground Clearance	500					
	I) Track Gauge	2.600				2.390	
	J) Shoe Width	600			800	600	
	K) Track Length	4.950					
	L) Length on ground (transport)	7.540	6.780	5.860	4.820	6.780	5.860
	M) Overall height of cab	3.140					
N) Overall width of upperstructure	2.990						
<b>WORKING RANGES (mm)</b>	S) Maximum Digging Reach	10.020	10.370	10.910	18.360	10.370	10.910
	T) Maximum Digging Reach on Ground Level	9.790	10.150	10.700	18.240	10.150	10.700
	U) Maximum Digging Depth	6.360	6.760	7.330	14.250	6.760	7.330
	V) Maximum Digging Height	9.860	9.990	10.290	14.920	9.990	10.290
	W) Maximum Dumping Height	6.870	7.020	7.300	12.550	7.020	7.300
	W') Minimum Dumping Height	3.790	3.310	2.760	2.500	3.310	2.760
	X) Maximum Vertical Digging Depth	4.890	5.140	5.780	13.700	5.140	5.780
	Y) Minimum Swing Radius	4.440	4.360	4.280	5.940	4.360	4.280
Z) Maximum Digging Depth (2440 mm level)	6.140	6.560	7.160	14.140	6.560	7.160	

\* Standard



## FORCES

		LC			NLC		
		Mono Boom			LR	Mono Boom	
		6,28			10,30	6,28	
BOOM (m)		6,28			10,30	6,28	
ARM (m)		2,10	2,50*	3,07	7,80	2,50	3,07
SAE	Bucket Digging Force	17.200			9.100	17.200	
	Bucket Digging Force (Power Boost)	18.700			-	18.700	
	Arm Crowd Force	18.700	15.700	13.000	6.800	15.700	13.000
	Arm Crowd Force (Power Boost)	20.200	17.000	14.100	-	17.000	14.100
ISO	Bucket Digging Force	19.600			10.500	19.600	
	Bucket Digging Force (Power Boost)	21.300			-	21.200	
	Arm Crowd Force	19.600	16.400	13.600	6.900	16.400	13.600
	Arm Crowd Force (Power Boost)	21.300	17.800	14.700	-	17.800	14.700

- A- Material density less than 2.000 kg/m<sup>3</sup>
- B- Material density less than 1.800 kg/m<sup>3</sup>
- C- Material density less than 1.500 kg/m<sup>3</sup>
- D- Material density less than 1.200 kg/m<sup>3</sup>

\* Standard

## STANDARD BUCKET



Width	1490 mm	
Capacity (SAE)	*1,60 m <sup>3</sup>	
Weight	1,370 kg	
Number of Teeth	5	
ARM	2,10 m	A
	*2,50 m	B
	3,07 m	C

## OPTIONAL BUCKET SELECTION SCHEME

General Purpose Bucket



Heavy Duty Type Bucket



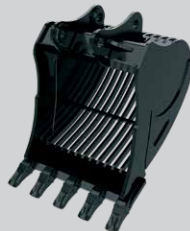
650 mm	750 mm	1.300 mm	1.500 mm	1.700 mm	750 mm	1.095 mm	1.270 mm	1.410 mm	1.550 mm	1.620 mm
0,55 m <sup>3</sup>	0,60 m <sup>3</sup>	1,25 m <sup>3</sup>	1,50 m <sup>3</sup>	1,70 m <sup>3</sup>	0,60 m <sup>3</sup>	1,10 m <sup>3</sup>	1,30 m <sup>3</sup>	1,50 m <sup>3</sup>	1,70 m <sup>3</sup>	1,80 m <sup>3</sup>
730 kg	740 kg	1.060 kg	1.160 kg	1.320 kg	860 kg	1.120 kg	1.220 kg	1.340 kg	1.400 kg	1.450 kg
3	3	5	5	5	3	4	4	5	5	5
A	A	A	A	B	A	A	A	A	B	C
A	A	B	B	C	A	A	A	B	C	C
A	A	C	C	C	A	A	A	C	C	D

\* Standard

## QUICK COUPLER



## SIEVE BUCKET



## ROCK TYPE BUCKET



## POLYP



## RIPPER



## CLEANING BUCKET



HEAVY DUTY

ATTACHMENTS



LIFTING CAPACITY (kg)													HMK 310 LC		
	Boom: 6,28 m		Arm: 2,5 m		Without bucket		STD, 600 mm Crawler		CW: 5200 kg				📏 : Front	📏 : Side	
A, m	1,5		3,0		4,5		6,0		7,5		9,0		Maximum Reach		
B, m	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	R, m
7,5							*7000	*7000					*7250	7000	6,80
6,0							*7400	*7400	*7100	5900			*7200	5550	7,79
4,5					*10650	*10650	*8450	8100	*7450	5750			*7300	4800	8,39
3,0							*9750	7600	*8100	5550			7050	4450	8,69
1,5							*10900	7250	8600	5300			6900	4300	8,72
0 (Ground)					*15900	10550	*11550	7000	8450	5200			7100	4400	8,48
-1,5			*12800	*12800	*15450	10600	*11550	6950	8450	5150			7800	4800	7,95
-3,0			*19200	*19200	*14200	10800	*10750	7100					*8700	5750	7,07
-4,5			*15300	*15300	*11450	11200							*8750	8100	5,64

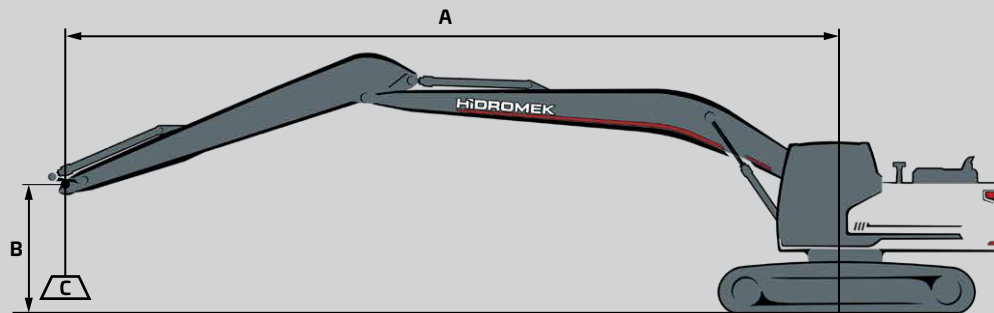
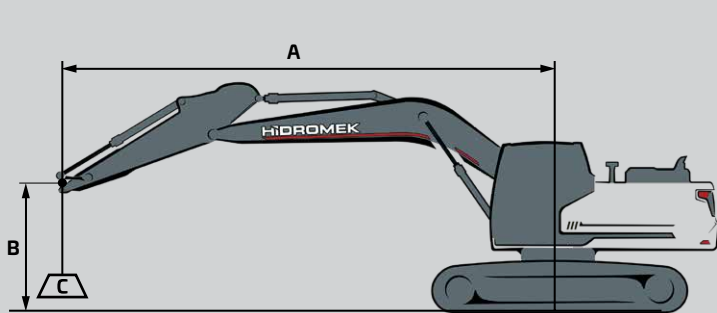
LIFTING CAPACITY (kg)													HMK 310 LC		
	Boom: 6,28 m		Arm: 3,07 m		Without bucket		STD, 600 mm Crawler		CW: 5200 kg				📏 : Front	📏 : Side	
A, m	1,5		3,0		4,5		6,0		7,5		9,0		Maximum Reach		
B, m	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	R, m
7,5													*4750	*4750	7,48
6,0									*6450	6000			*4500	*4500	8,39
4,5					*9450	*9450	*7750	*7750	*6950	5850			*4500	4350	8,95
3,0					*12400	11750	*9150	7750	*7650	5600	6700	4200	*4600	4050	9,23
1,5					*14750	10900	*10450	7300	*8400	5350	6550	4100	*4900	3900	9,26
0 (Ground)					*15700	10550	*11300	7000	8450	5150	*5950	4000	*5400	4000	9,04
-1,5	*9000	*9000	*12750	*12750	*15700	10500	*11550	6900	8350	5100			*6250	4300	8,54
-3,0	*14950	*14950	*20200	*20200	*14850	10600	*11100	6950	8450	5150			*7850	5000	7,72
-4,5			*17600	*17600	*12750	10950	*9400	7200					*8400	6550	6,45

LIFTING CAPACITY (kg)													HMK 310 LCLR				
	Boom: 10,3 m		Arm: 7,8 m		Without bucket		STD, 800 mm Crawler		CW: 7100 kg				📏 : Front	📏 : Side			
A, m	3,0		6,0		9,0		12,0		15,0		18,0		21,0		Maximum Reach		
B, m	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	📏	R, m	
12,0															*1750	*1750	13,84
9,0									*2250	*2250					*1650	*1650	15,58
6,0							*2850	*2850	*2650	2350					*1700	*1700	16,60
3,0	*4350	*4350	*6350	*6350	*4250	*4250	*3350	3200	*2900	2150					*1850	1650	17,04
0 (Ground)	*2850	*2850	*8600	7250	*5250	4300	*3900	2850	*3150	1950					*2050	1600	16,93
-3,0	*4750	*4750	*9550	6550	*5950	3850	*4300	2600	3200	1850					*2450	1600	16,28
-6,0	*7000	*7000	*9500	6450	*6150	3700	4250	2500							3150	1850	15,00
-9,0	*9750	*9750	*8600	6750	*5700	3800	*4050	2550							*3600	2350	12,91
-12,0			*6350	*6350	*4200	4150									*3900	*3900	9,48



LIFTING CAPACITY (kg)												HMK 310 NLC			
	Boom: 6,28 m		Arm: 2,5 m		Without bucket		STD, 600 mm Crawler		CW: 5200 kg				Front	Side	
A, m	1,5		3,0		4,5		6,0		7,5		9,0		Maximum Reach		
B, m	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	R, m
7,5							*7000	*7000					*7250	6400	6,80
6,0							*7400	*7400	*7100	5400			*7200	5050	7,79
4,5					*10650	*10650	*8450	7400	*7450	5250			*7300	4350	8,39
3,0							*9750	6900	*8100	5050			7000	4050	8,69
1,5							*10900	6550	8550	4850			6850	3900	8,72
0 (Ground)					*15900	9450	*11550	6350	8450	4700			7100	4000	8,48
-1,5			*12800	*12800	*15450	9450	*11550	6300	8400	4700			7750	4350	7,95
-3,0			*19200	19100	*14200	9650	*10750	6400					*8700	5200	7,07
-4,5			*15300	*15300	*11450	10050							*8750	7350	5,64

LIFTING CAPACITY (kg)												HMK 310 NLC			
	Boom: 6,28 m		Arm: 3,07 m		Without bucket		STD, 600 mm Crawler		CW: 5200 kg				Front	Side	
A, m	1,5		3,0		4,5		6,0		7,5		9,0		Maximum Reach		
B, m	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	Front	Side	R, m
7,5													*4750	*4750	7,48
6,0									*6450	5500			*4500	4500	8,39
4,5					*9450	*9450	*7750	7550	*6950	5350			*4500	3950	8,95
3,0					*12400	10600	*9150	7050	*7650	5100	6650	3850	*4600	3650	9,23
1,5					*14750	9800	*10450	6600	*8400	4850	6550	3700	*4900	3550	9,26
0 (Ground)					*15700	9450	*11300	6350	8400	4700	*5950	3650	*5400	3650	9,04
-1,5	*9000	*9000	*12750	*12750	*15700	9400	*11550	6250	8350	4600			*6250	3900	8,54
-3,0	*14950	*14950	*20200	18750	*14850	9500	*11100	6250	8400	4700			*7850	4550	7,72
-4,5			*17600	*17600	*12750	9800	*9400	6500					*8400	5950	6,45



- A Load Radius
- B Load Point Height
- C Lifting Capacity

1. The above loads are in compliance with SAE J1097 and ISO 10567 Hydraulic Excavator Lifting Capacity Standards
2. The load point is the center-line of the bucket pivot mounting pin on the arm
3. Lifting capacity cannot exceed 75% of tipping capacity or 87% of hydraulic capacity.
4. (\*) indicates load limited by hydraulic capacity.

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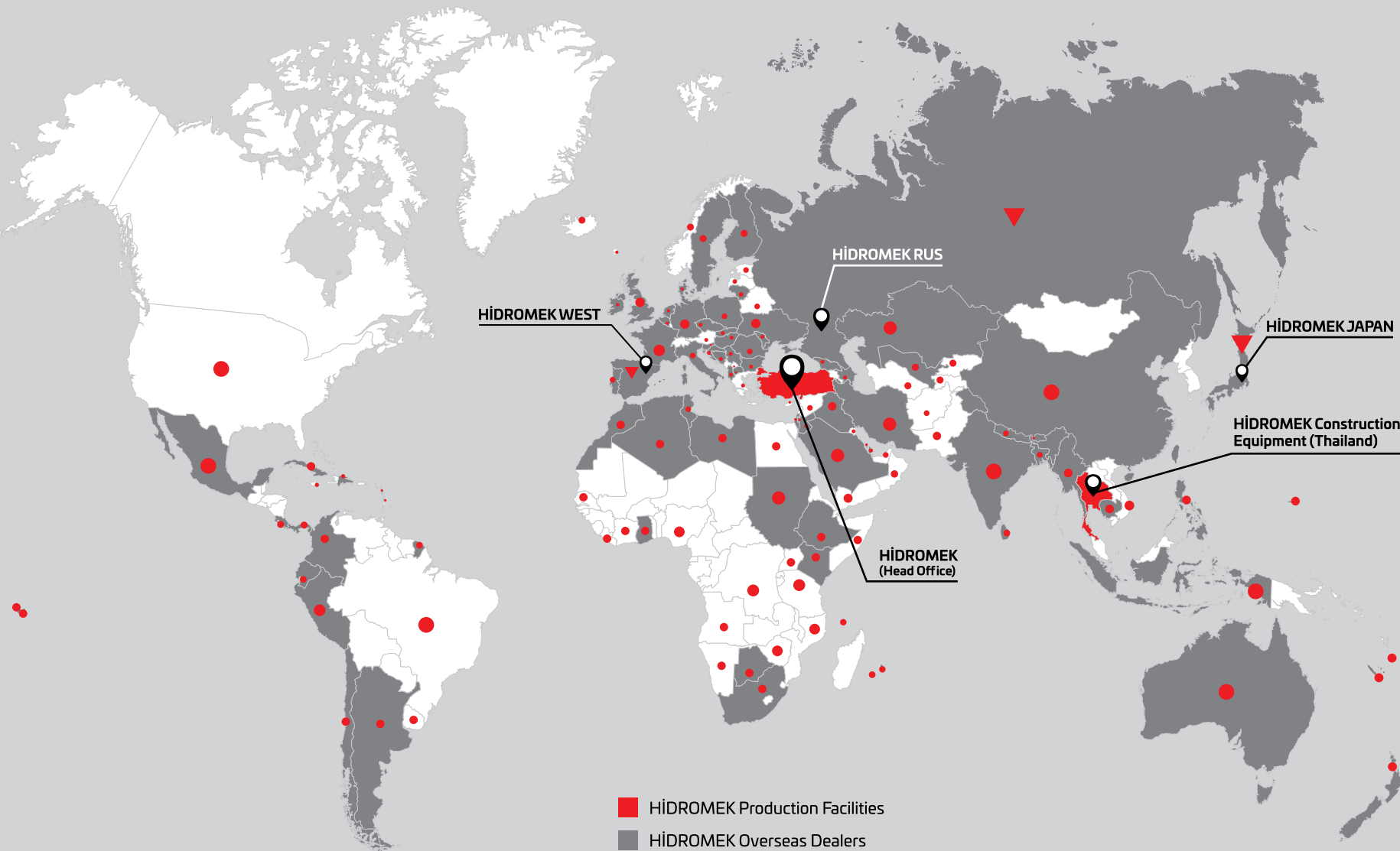
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ENG - JANUARY 2021 / 100121 - 4F

