# H4 SERIES

## HMK 410 LC UHD

HIDROMEK

410
HMK 410 LC UHD

# New H4 Series

## Innovation coming from experience

**HMK 410 LC UHD** crawler excavator belonging to new H4 Series of HİDROMEK produced with the developed hydraulic system design; It offers superior performance by working quickly, productively and efficiently.

**HMK 410 LC UHD** provides high performance and efficient operation with its ultra-heavy-duty structure conforming for tough field conditions, its power, bucket capacity, breakout force, as well as its superior technology.

H4 SERIES

Performance.....6-7
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Technical Features .....20-25


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

ATTENTION

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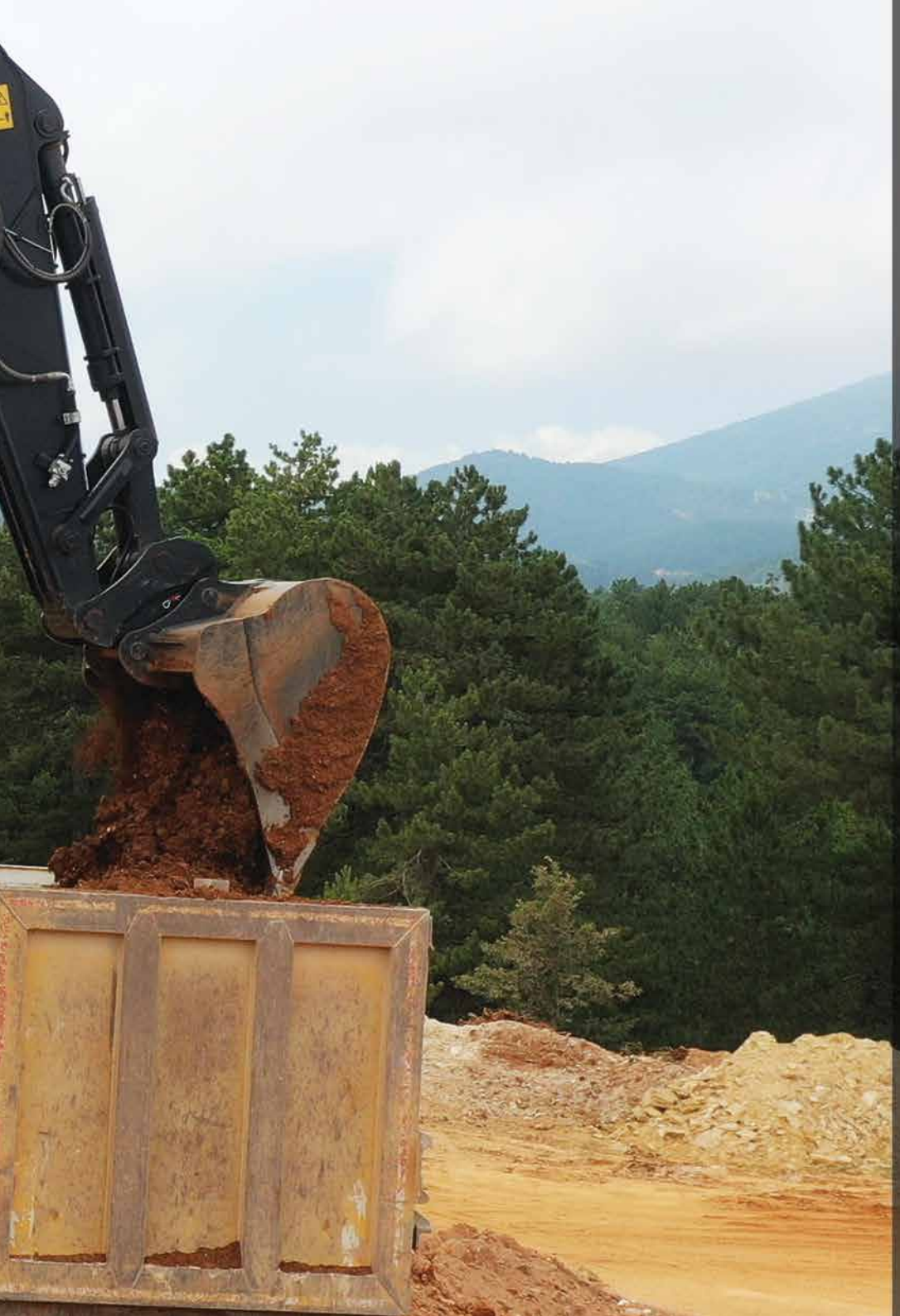


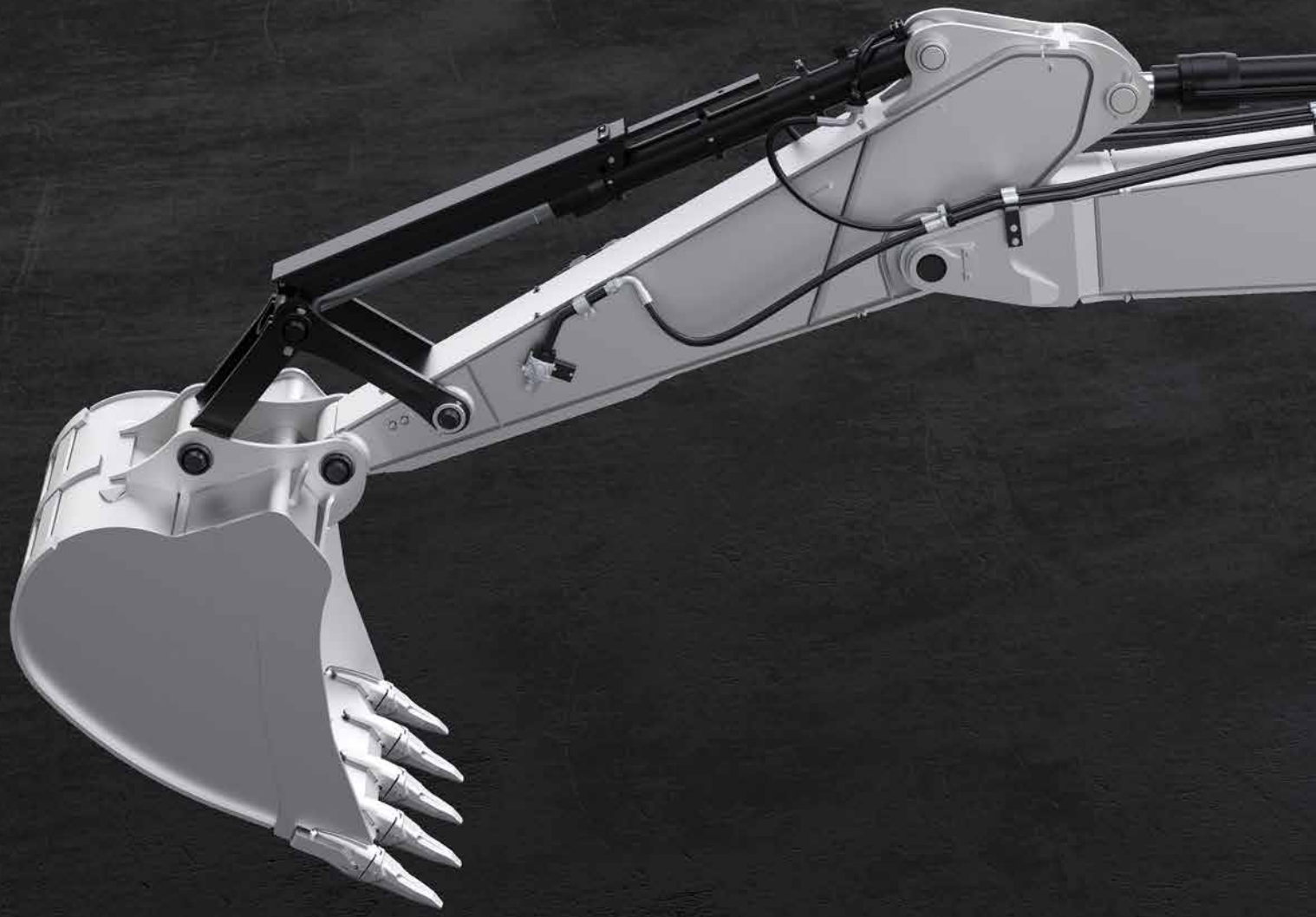
# Powerful. Strong. Balanced.

HMK 410 LCU HD, produced with the superior technology of H4 Series and its reinforced heavy-duty structure, offers safe and comfortable working in harsh field conditions by providing long-lasting and trouble-free usage through its durable structure.

HMK 410 LC UHD allows you to work at maximum capacity in different conditions with its robust and balanced structure, high performance engine, power and speed.

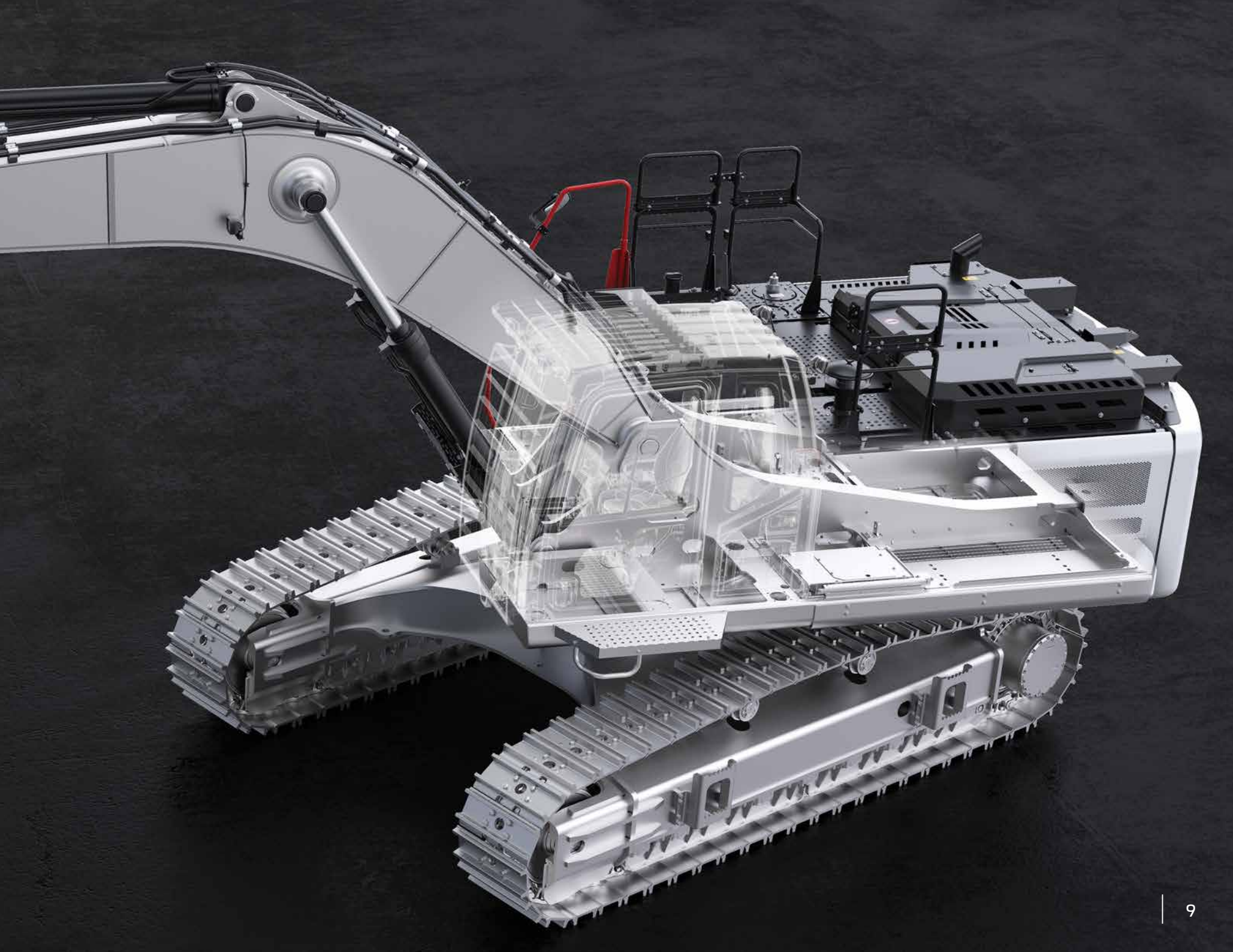
# Ultra Heavy Duty

HMK 410 LC UHD provides the most suitable performance for your work on challenging fields thanks to its ultra heavy duty structure and standard equipment. With its H4 Series technology, HMK 410 LC UHD offers fast and efficient working by providing time saving and takes your productivity to higher level.



# More durable

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



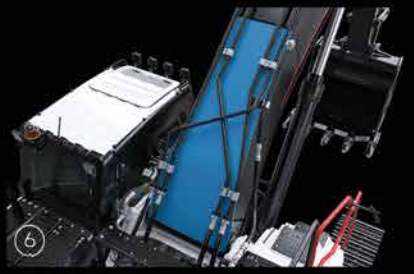
① More durable anti-wearing plates (Hardox 450 HB)

② Optimized bucket form

③ Reinforced arm supporting parts

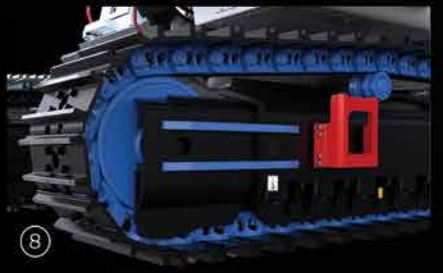
④ Reinforced casting tip

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 HİDROMEK'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.

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# Safe working environment

## ROPS&FOPS2 cabin

Having the standards of ROPS (Roll Over Protective Structure) & FOPS2 (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.

SAFETY
SHOWER

# 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.
- 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 (HİDROMEK 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, 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.

* 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 HİDROMEK SmartLink

Telematic system HİDROMEK 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 HİDROMEK 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 HİDROMEK 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 HİDROMEK 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 HİDROMEK 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 HİDROMEK Smartlink!**
With the application, it is possible to obtain the information on Regional and Authorized Services of HİDROMEK After Sales Services as well as the directions to them.

**Have performance reports for the selected periods of time for your machines through HİDROMEK 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

| | |
|---|---|
| Brand & Model | ISUZU 6HK1X |
| Type | Water cooled, 4 cycles, 6 cylinders, inline, diesel engine with direct injection, turbocharger and intercooler |
| Power | 281 HP (210 kW) @1900 rpm / SAE J1995 (Gross) |
| Maximum Torque | 1080 Nm @1500 rpm (Gross) |
| Displacement | 7790 cc |
| Bore x Stroke | 115 mm x 125 mm |
| Emission Class | EU: Stage V |

## HYDRAULIC SYSTEM

**MAIN PUMP**

| | |
|---|---|
| Type | 2 axial piston pumps with variable displacement and swashplate |
| Max. Flow Rate | 2 x 300 L/min |
| Pilot Pump | Gear type, 28 L/min |

**WORKING PRESSURE**

| | |
|---|---|
| Attachment | 350 kgf/cm² |
| Power Boost | 380 kgf/cm² |
| Travel | 350 kgf/cm² |
| Swing | 285 kgf/cm² |
| Pilot | 40 kgf/cm² |

**HYDRAULIC CYLINDERS**

| | |
|---|---|
| Boom | 2 x ø 150 x ø 105 x 1.510 mm |
| Arm | 1 x ø 170 x ø 120 x 1.735 mm |
| Bucket | 1 x ø 150 x ø 110 x 1.280 mm |

| | |
|---|---|
| Swing motor | Fixed swashplate piston motor integrated with super shock absorber valve |
| Reduction | 2 stage, planetary gear type |
| Swing Brake | Hydraulic disc type, pilot operated and automatically released |
| Swing Speed | 9,2 rpm |

## LOWER FRAME

| | |
|---|---|
| Construction | "X" type lower frame with pentagon shaped box type side frames |
| Shoe | 2 grouser |
| No. of Shoes | 2 x 51 pieces |
| No. of Lower Rollers | 2 x 9 pieces |
| No. of Upper Rollers | 2 x 2 pieces |
| Full Trackguard | Complete |
| Track Tensioner | Hydraulic type with spring cushioning |

## ELECTRICAL SYSTEM

| | |
|---|---|
| Voltage | 24 V |
| Battery | 2 x 12 V / 150 Ah |
| Alternator | 24 V / 50 A |
| Starter Motor | 24 V / 5 kW |

## TRAVEL AND BRAKES

| | | |
|---|---|---|
| Travel | | Fully hydrostatic |
| Travel Motor | | Axial piston motor with 2 speed stages and swashplate |
| Reduction | | 2 stage, planetary gear type |
| Travel Speed | High Speed | 5,0 km/h |
| | Low Speed | 3,0 km/h |
| Max. Traction | | 30.260 kgf |
| Gradeability | | 35° (%70) |
| Parking Brake | | Hydraulic disc type, pilot operated and automatically released |
| Ground Pressure | | 0,75 kgf/cm² |

## FILLING CAPACITIES

| | | | |
|---|---|---|---|
| Fuel Tank | 565 L | Engine Cooling System | 65 L |
| Hydraulic Tank | 265 L | Engine Oil | 44 L |
| Hydraulic System | 470 L | AdBlue | 70 L |

## OPERATING WEIGHT (kg)

| | Mono Boom |
|---|---|
| HMK 410 LCUHD | 42.200 |

# EQUIPMENT

# HMK 410 LC UHD

| 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** | | |
| Boom and arm regenaration valve | ● | |
| Automatic power boost | ● | |
| Smooth boom feature | ● | |
| Main hydraulic filter | ● | |
| Backup ports (valve) | ● | |
| Cylinder cushioning and contamination seals | ● | |
| Single-acting hydraulic line, breaker | ● | |
| Double- acting hydraulic line, crusher | | O |
| Additional line | | O |
| Quick coupling line | | O |
| Attachment settings through instrument panel | | O |
| **OPERATOR'S CAB** | | |
| Pressurized and sound isolated cabin | ● | |
| Air-conditioning | ● | |
| Air-suspension seat | ● | |
| Air-suspended, heated, and seatbelt-warning seat | | O |
| Heated seat | | O |
| 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 | | O |
| Electric horn | ● | |
| Intrerior 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 | ● | |
| Detachable Movement Levers | | O |
| Air Compressor | | O |

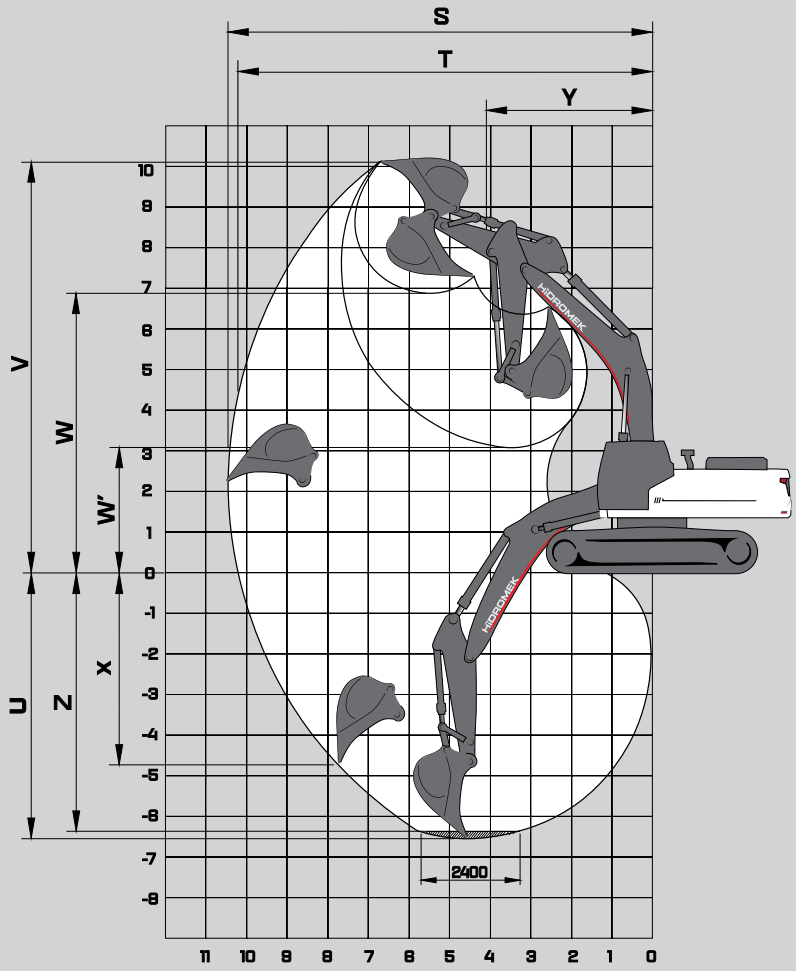
| Lower Frame | Standard | Optional |
|---|---|---|
| Narrow Lower Chassis (NLC) | | O |
| Track width options 700/800 | | O |
| Lubricated and sealed track components | ● | |
| Dozer blade | | O |
| Mooring points for shipment | ● | |

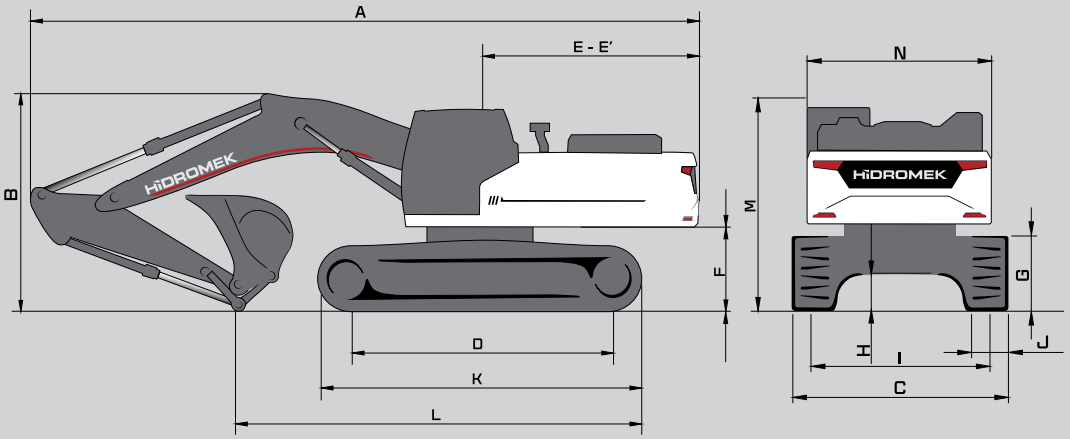
| Safety | | |
|---|---|---|
| ROPS (Roll Over Protective Structure) | ● | |
| *FOPS2 (Falling Object Protective Structure) | ● | |
| Rear view camera | ● | |
| Side view camera | | O |
| Right and left rear view mirrors | ● | |
| Working lamps | ● | |
| LED working lamps | | O |
| Rotating beacon | | O |
| Swing and travel alarm | | O |
| Emergency engine stop switch | ● | |
| Pilot operated and automatically released swing brake | ● | |
| Boom and arm cylinder safety valve | | O |
| Overload warning system | | O |
| 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 | ● | |

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

● **STANDARD** O **OPTIONAL**

(*) FOPS2 upper cabin protection is standard in countries with CE requirements.




## DIMENSIONS

| | | | LC UHD |
|---|---|---|---|
| | | | Mono Boom |
| | BOOM (m) | | *6,10 |
| | ARM (m) | | *2,60 |
| GENERAL DIMENSIONS (mm) | A) | Overall Length | 10.940 |
| | B) | Overall height (to top of boom) | 3.640 |
| | C) | Overall Width | 3.500 |
| | D) | Distance between tumblers | 4.300 |
| | E) | Distance from center of swing to rear end | 3.450 |
| | E´) | Tail swing radius | 3.505 |
| | F) | Counterweight Clearance | 1.330 |
| | G) | Track Height | 1.210 |
| | H) | Ground Clearance | 615 |
| | I) | Track Gauge | 2.900 |
| | J) | Shoe Width | 600 |
| | K) | Track Length | 5.310 |
| | L) | Length on ground (transport) | 6.640 |
| | M) | Overall height of cab | 3.280 |
| | N) | Overall width of upperstructure | 2.990 |
| WORKING RANGES (mm) | S) | Maximum Digging Reach | 10.460 |
| | T) | Maximum Digging Reach on Ground Level | 10.210 |
| | U) | Maximum Digging Depth | 6.530 |
| | V) | Maximum Digging Height | 10.160 |
| | W) | Maximum Dumping Height | 6.910 |
| | W') | Minimum Dumping Height | 3.110 |
| | X) | Maximum Vertical Digging Depth | 4.720 |
| | Y) | Minimum Swing Radius | 4.110 |
| | Z) | Maximum Digging Depth (2440 mm level) | 6.350 |

* Standard

## FORCES

| | | LC UHD | |
|---|---|---|---|
| | | Mono Boom | |
| | BOOM (m) | *6,10 | 6,50 |
| | ARM (m) | *2,60 | 3,20 |
| SAE | Bucket Digging Force | 20.300 | 19.400 |
| | Bucket Digging Force (Power Boost) | 22.000 | 21.100 |
| | Arm Crowd Force | 19.100 | 16.100 |
| | Arm Crowd Force (Power Boost) | 20.800 | 17.500 |
| ISO | Bucket Digging Force | 23.300 | 20.400 |
| | Bucket Digging Force (Power Boost) | 25.300 | 22.100 |
| | Arm Crowd Force | 20.400 | 16.800 |
| | Arm Crowd Force (Power Boost) | 22.100 | 18.200 |

A- Material density less than 2.000 kg/m³
B- Material density less than 1.800 kg/m³
C- Material density less than 1.500 kg/m³
D- Material density less than 1.200 kg/m³

* Standart

HEAVY DUTY

## STANDARD BUCKET

| | | |
|---|---|---|
| | Width | 1.770 mm |
| | Capacity (SAE) | *2,5 m³ |
| | Weight | 2.230 kg |
| | Number of Teeth | 5 |
| ARM | *2,60 m | B |
| | 3,20 m | C |

## OPTIONAL BUCKET SELECTION SCHEME

General Purpose Bucket

Heavy Duty Type Bucket

| 1.525 mm | 1.650 mm | 1.525 mm | 1.650 mm | 1.750 mm | 1.930 mm |
|---|---|---|---|---|---|
| 1,80 m³ | 2,0 m³ | 1,80 m³ | 2,0 m³ | 2.2 m³ | 2,4 m³ |
| 1.900 kg | 2.020 kg | 1.735 kg | 1.855 kg | 1.955 kg | 2.140 kg |
| 4 | 5 | 5 | 5 | 5 | 6 |
| A | A | A | A | A | C |
| A | C | A | A | A | D |

* Standard

ATTACHMENTS

## QUICK COUPLER

## ROCK TYPE BUCKET

## RIPPER

| LIFTING CAPACITY (kg) | | | | | | | | | | | | | | | HMK 410 LC UHD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Boom:** 6,1 m | | **Arm:** 2,6 m | | **Bucket:** 2.5 m³ | | **Lower:** DG600, 3500 | | **CW:** 6500 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** | | | | | | | | | | | | | *5750 | *5750 | 7.16 |
| **6,0** | | | | | | | | | *7700 | 7600 | | | *5700 | *5700 | 8.07 |
| **4,5** | | | | | *12200 | *12200 | *9600 | *9600 | *8250 | 7350 | | | *5900 | 5550 | 8.62 |
| **3,0** | | | | | *15500 | *15500 | *11200 | 10250 | *9050 | 6950 | | | *6400 | 5050 | 8.88 |
| **1,5** | | | | | *17900 | 15150 | *12500 | 9600 | *9750 | 6650 | | | *7250 | 4900 | 8.88 |
| **0 (Ground)** | | | *13150 | *13150 | *18650 | 14600 | *13250 | 9150 | *10150 | 6400 | | | 8450 | 5050 | 8.62 |
| **-1,5** | *15050 | *15050 | *20800 | *20800 | *18000 | 14500 | *13100 | 9000 | *9900 | 6300 | | | *8900 | 5600 | 8.07 |
| **-3,0** | *22050 | *22050 | *22500 | *22500 | *16100 | 14750 | *11850 | 9150 | | | | | *9200 | 6950 | 7.16 |
| **-4,5** | | | *16600 | *16600 | *12250 | *12250 | | | | | | | *9150 | *9150 | 5.71 |

| LIFTING CAPACITY (kg) | | | | | | | | | | | | | | | HMK 410 LC UHD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Boom:** 6,5 m | | **Arm:** 2,6 m | | **Bucket:** 2.2 m³ | | **Lower:** DG600, 3500 | | **CW:** 6500 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** | | | | | | | | | | | | | *6900 | *6900 | 7.49 |
| **6,0** | | | | | | | | | *7400 | *7400 | | | *6950 | 6200 | 8.36 |
| **4,5** | | | | | *12500 | *12500 | *9550 | *9550 | *8050 | 7400 | | | *7300 | 5300 | 8.89 |
| **3,0** | | | | | *15850 | *15850 | *11150 | 10100 | *8900 | 7000 | *7650 | 5000 | *7550 | 4850 | 9.15 |
| **1,5** | | | | | *18000 | 14750 | *12500 | 9450 | *9650 | 6600 | *8000 | 4850 | 7800 | 4700 | 9.15 |
| **0 (Ground)** | | | | | *18500 | 14300 | *13150 | 9050 | *10100 | 6350 | | | 8050 | 4800 | 8.89 |
| **-1,5** | | | *17700 | *17700 | *17850 | 14300 | *13100 | 8900 | *10000 | 6250 | | | *8650 | 5300 | 8.36 |
| **-3,0** | | | *22250 | *22250 | *16200 | 14550 | *12100 | 9050 | | | | | *9050 | 6400 | 7.49 |
| **-4,5** | | | *17500 | *17500 | *13100 | *13100 | *9600 | 9400 | | | | | *9300 | 9100 | 6.12 |

| LIFTING CAPACITY (kg) | | | | | | | | | | | | | | | HMK 410 LC UHD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **Boom:** 6,5 m | | **Arm:** 3,2 m | | **Bucket:** 2.0 m³ | | **Lower:** DG600, 3500 | | **CW:** 6500 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** | | | | | | | | | *6350 | *6350 | | | *4450 | *4450 | 8.30 |
| **6,0** | | | | | | | | | *6700 | *6700 | *4950 | *4950 | *4400 | *4400 | 9.10 |
| **4,5** | | | | | | | *8700 | *8700 | *7450 | *7450 | *6750 | 5300 | *4550 | *4550 | 9.59 |
| **3,0** | | | | | *14550 | *14450 | *10400 | 10350 | *8350 | 7100 | *7200 | 5050 | *4900 | 4250 | 9.83 |
| **1,5** | | | | | *17200 | 15150 | *11950 | 9600 | *9250 | 6700 | *7700 | 4850 | *5450 | 4100 | 9.83 |
| **0 (Ground)** | | | *10000 | *10000 | *18400 | 14450 | *12900 | 9100 | *9850 | 6350 | 7850 | 4700 | *6350 | 4200 | 9.59 |
| **-1,5** | *10900 | *10900 | *15250 | *15250 | *18300 | 14250 | *13150 | 8900 | *10050 | 6200 | 7750 | 4600 | 7650 | 4550 | 9.10 |
| **-3,0** | *16050 | *16050 | *21650 | *21650 | *17100 | 14350 | *12550 | 8900 | *9500 | 6200 | | | *8150 | 5300 | 8.30 |
| **-4,5** | *22100 | *22100 | *20500 | *20500 | *14650 | *14650 | *10800 | 9150 | | | | | *8450 | 7000 | 7.10 |
| **-6,0** | | | | | *9900 | *9900 | | | | | | | *8250 | *8250 | 5.22 |

## LIFTING CAPACITY (kg) — HMK 410 LC UHD

| | **Boom:** 6,1 m | | **Arm:** 2,6 m | | Without bucket | | **Lower :** DG600, 3500 | | **CW:** 6500 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** | | | | | | | *10400 | *10400 | | | | | *9400 | *9400 | 6.76 |
| **6,0** | | | | | | | *10850 | *10850 | *10150 | 8750 | | | *9000 | 8350 | 7.72 |
| **4,5** | | | | | *15350 | *15350 | *12100 | 12050 | *10550 | 8550 | | | *9000 | 7300 | 8.30 |
| **3,0** | | | | | *18650 | 17450 | *13600 | 11450 | *11200 | 8250 | | | *9400 | 6750 | 8.57 |
| **1,5** | | | | | *20500 | 16600 | *14750 | 10950 | *11750 | 8000 | | | 10050 | 6650 | 8.57 |
| **0 (Ground)** | | | | | *20500 | 16300 | *15150 | 10650 | *11900 | 7850 | | | 10450 | 6850 | 8.30 |
| **-1,5** | | | *21050 | *21050 | *19300 | 16350 | *14600 | 10600 | *11200 | 7850 | | | *10700 | 7550 | 7.72 |
| **-3,0** | | | *21600 | *21600 | *16650 | 16650 | *12650 | 10800 | | | | | *10600 | 9250 | 6.72 |
| **-4,5** | | | | | *11400 | *11400 | | | | | | | *9400 | *9400 | 5.21 |

## LIFTING CAPACITY (kg) — HMK 410 LC UHD

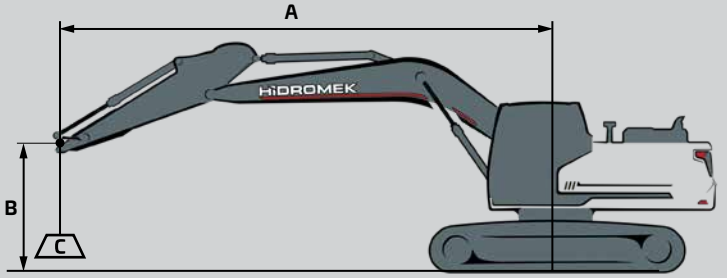
| | **Boom:** 6,5 m | | **Arm:** 2,6 m | | Without bucket | | **Lower :** DG600, 3500 | | **CW:** 6500 kg | | | | : Front | : Side | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A, m** | **1,5** | | **3,0** | | **4,5** | | **6,0** | | **7,5** | | **9,0** | | **Maximum Reach** | | |
| **B, m** | | | | | | | | | | | | | | | **R, m** |
| **7,5** | | | | | | | | | | | | | *9550 | 9450 | 7.19 |
| **6,0** | | | | | | | *10450 | *10450 | *9550 | 8750 | | | *9400 | 7650 | 8.10 |
| **4,5** | | | | | *15500 | *15500 | *11800 | *11800 | *10100 | 8450 | | | *9450 | 6750 | 8.65 |
| **3,0** | | | | | | | *13350 | 11200 | *10850 | 8150 | | | 9500 | 6300 | 8.91 |
| **1,5** | | | | | | | *14500 | 10700 | *11500 | 7850 | | | 9350 | 6150 | 8.91 |
| **0 (Ground)** | | | | | *20100 | 15950 | *14900 | 10400 | *11750 | 7650 | | | 9700 | 6350 | 8.65 |
| **-1,5** | | | *16450 | *16400 | *18950 | 16050 | *14500 | 10400 | *11350 | 7650 | | | *10250 | 6950 | 8.10 |
| **-3,0** | | | *21300 | *21300 | *16800 | 16300 | *13000 | 10550 | | | | | *10300 | 8250 | 7.19 |
| **-4,5** | | | | | *12750 | *12750 | | | | | | | *9750 | *9750 | 5.76 |

## LIFTING CAPACITY (kg) — HMK 410 LC UHD

| | **Boom:** 6,5 m | | **Arm:** 3,2 m | | Without bucket | | **Lower :** DG600, 3500 | | **CW:** 6500 kg | | | | : Front | : Side | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **A, m** | **1,5** | | **3,0** | | **4,5** | | **6,0** | | **7,5** | | **9,0** | | **Maximum Reach** | | |
| **B, m** | | | | | | | | | | | | | | | **R, m** |
| **9,0** | | | | | | | | | | | | | *7700 | *7700 | 6.66 |
| **7,5** | | | | | | | | | *8550 | *8550 | | | *7100 | *7100 | 7.93 |
| **6,0** | | | | | | | | | *8750 | *8750 | | | *6900 | 6750 | 8.76 |
| **4,5** | | | | | *13900 | *13900 | *10950 | *10950 | *9450 | 8550 | *8700 | 6350 | *6950 | 6050 | 9.27 |
| **3,0** | | | | | *17450 | 17350 | *12600 | 11350 | *10300 | 8150 | *9050 | 6200 | *7200 | 5650 | 9.52 |
| **1,5** | | | | | *19700 | 16300 | *14000 | 10750 | *11100 | 7850 | 9150 | 6000 | *7700 | 5550 | 9.52 |
| **0 (Ground)** | | | | | *20250 | 15900 | *14750 | 10400 | *11550 | 7600 | 9050 | 5900 | *8600 | 5700 | 9.27 |
| **-1,5** | | | *15050 | *15050 | *19600 | 15850 | *14650 | 10250 | *11500 | 7500 | | | 9400 | 6100 | 8.76 |
| **-3,0** | | | *24000 | *24000 | *17900 | 16050 | *13650 | 10350 | *10500 | 7600 | | | *9550 | 7100 | 7.93 |
| **-4,5** | | | *19300 | *19300 | *14700 | *14700 | *11050 | 10650 | | | | | *9400 | 9250 | 6.67 |

**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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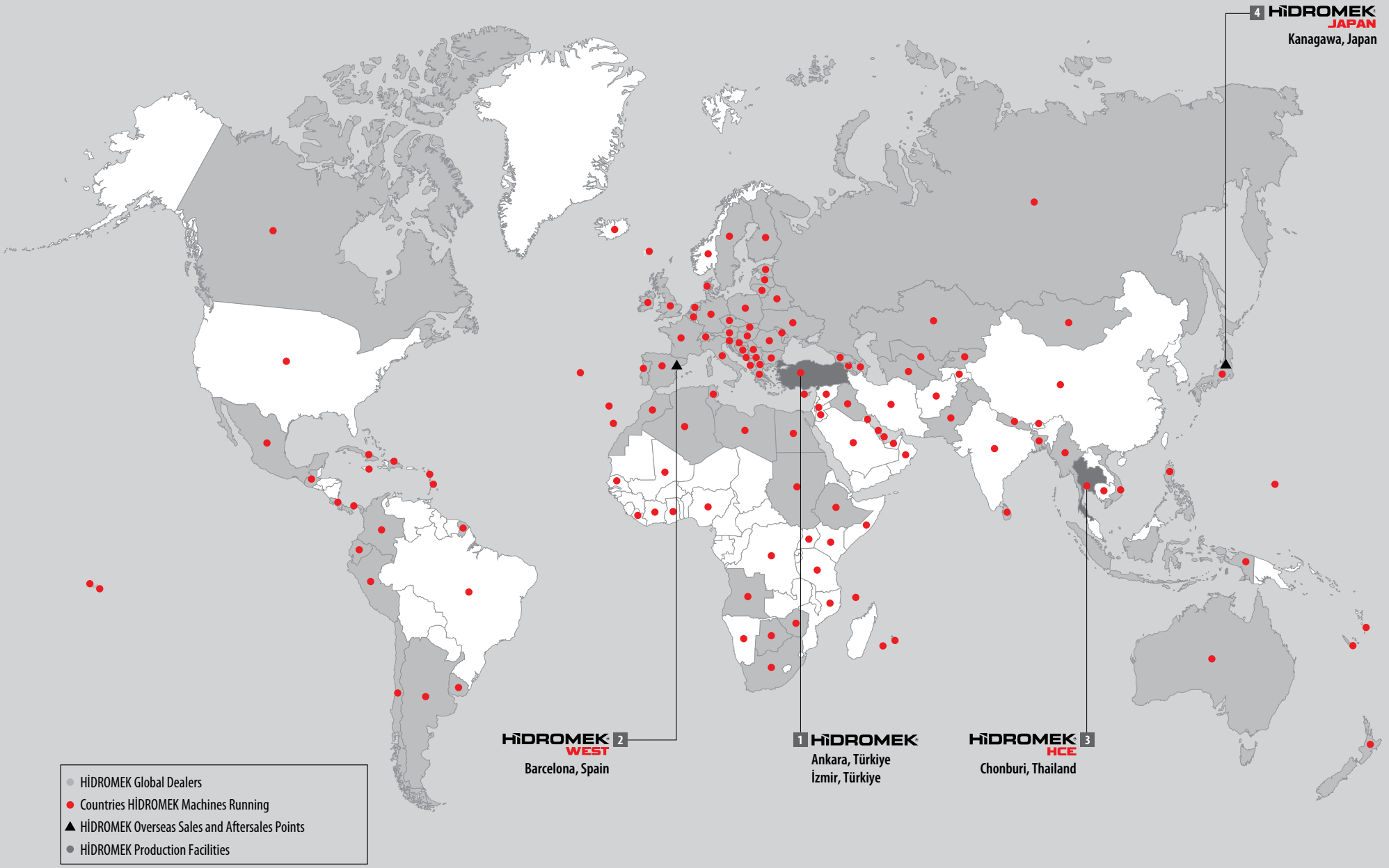

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