HYUNDAI
CONSTRUCTION EQUIPMENT

READY TO CHANGE YOUR WORLD

HX480AL
HX520AL

CRAWLER EXCAVATOR

V STAGE

SERIES A HX480AL HX520AL

Gross Power
298 kW (400 hp) at 2100 rpm

Bucket Capacity
1.38 m³ ~ 3.2 m³

Net Power
295 kW (395 hp) at 2100 rpm

Operating Weight
50690 kg & 52048 kg

READY TO CHANGE YOUR WORLD

The HX480A L and HX520A L Crawler Excavators are part of Hyundai's brand new A-series: a fresh generation of construction equipment that complies with the European Stage V emission levels. But it goes much further than that! While fulfilling regulatory demands, Hyundai aimed for a ground-breaking level of customer satisfaction with maximum performance and productivity, better safety, more convenience and improved uptime management.

From their robust exterior design to their performance-enhancing smart technologies, these mighty machines open up a world of new possibilities where tiny efforts move mountains. It's time to experience the Hyundai Effect!

A SERIES HX480AL HX520AL

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

The HX480A L and HX520A L are powered by a robust Stage V-certified Cummins X12 engine with an innovative integrated after-treatment system that reduces both emissions and maintenance requirements. It delivers all the power you need to handle demanding jobs, along with better fuel efficiency and fast levelling and truck loading times.

A range of smart technologies enable precise management of the engine output and pump flow rate. The new EPIC (Electric Pump Independent Control) hydraulic system improves efficiency through automated control of the individual hydraulic pumps. A Lifting work mode is included to improve fine control by boosting RPM, activating power boost and controlling pump flow. Additional features optimise operation and monitoring to enhance productivity every single day.

The technology to improve efficiency

Engine

Like all A-Series machines, the HX480A L and HX520A L feature our all-in-one exhaust aftertreatment system, which cuts emissions and operating costs while enhancing reliability and simplifying maintenance.

4% LEVELLING
6% LOADING
(compared to HX Series)

Tier4 Final (2014)
EU Stage V (2019)
Near Zero Emission

STAGE V

EGR

Automatic engine shutdown ▲

This option ensures that the engine shuts down automatically when the machine is idling to cut fuel consumption and prevent unnecessary emissions.

Fuel rate information

Average or recent fuel consumption can be displayed to guide you towards more economical operation.

Eco Report

The Eco Report feature helps you to develop efficient working habits by displaying real-time information about machine performance.

Eco Gauge ▼

The gauge level adjusts according to the engine workload, while different colours provide an instant view of fuel savings during operation.

EPIC hydraulic system ▲

The HX A-Series features an improved IPC (Intelligent Power Control) system that optimises the pump flow rate and power at various working conditions through individual pump control. EPIC improves fuel efficiency while helping to reduce losses in hydraulic flow and maximise production capacity.

NEW EXTERIOR DESIGN FOR ROBUSTNESS AND SAFETY

You need to know that the investment you make today will help to sustain your business over the long term. That's why we prioritised reliability throughout the development of the HX480A L and HX520A L, from design and manufacturing to quality control. The upper and lower frame structures are reinforced for high load work, while the attachments have been rigorously tested for the roughest conditions. The overall aim is to minimise downtime and repairs so that you can stay on schedule, avoid unexpected costs and protect your profits.

Tougher from the ground up

Frame structures and attachments ▶

The upper and lower frame structures have been reinforced and rigorously tested (both on the road and through virtual simulation) to ensure that they exceed on-site demands for durability. The wear resistance of the bucket has been improved through the use of new material.

Durable cooling module ▶

HX A-Series machines are enhanced with a durable cooling module that has been stringently tested and has demonstrated the highest productivity in tough working environments. An automatically reversible fan is installed to protect the radiators from flying debris.

Side protectors ▼

These excavators can be equipped with side bumpers as an option to absorb any impact on the exterior frame and protect your equipment.

Removable counterweight ▶

Counterweights with different tonnages are available to allow you to tailor your machine for any application. For easier transport, hydraulically removable counterweights are available as an option.

EASY CONTROL AND COMFORTABLE OPERATION

Many electronic functions are concentrated in the most convenient spot for operators to improve work efficiency. The highly-advanced infotainment system, a product of Hyundai's intensive information technology development, enables both productivity and comfort while working! The HX A-Series really is designed with the operator in mind.

Ergonomic for efficient operation

Intelligent & wide cluster

The 8" capacitive-type display is similar to a smartphone to deliver excellent legibility. The centralised switches on the display allow convenient checking of the Adblue/DEF level and temperature outside the cabin.

One pedal to travel straight

One pedal for straight travel is available for customers' convenience when long distance travelling or a combination of attachment work with travelling is necessary.

Proportional auxiliary hydraulic system

A proportional control switch with better speed control provides operators with added convenience whenever they do time-consuming work. This function can also be switched to control by foot pedal, by changing the setting in the cluster menu.

Jog Dial Module

The accelerator, remote air conditioner controller and instrument cluster can be operated using the convenient jog shuttle-type controller.

Functionality at your fingertips

Boom/Arm speed

Boom-up speed compared to swing speed can be adjusted by activating/deactivating the boom priority function. Arm-in speed can be also tuned by activating/ deactivating the arm regeneration function.

Work mode memory

The operator can save machine settings, so that they are applied when starting the machine.

OME (Owner Menu Editing)

The machine owner can restrict operator access to the set of functions via the menu as well as locking or unlocking it. A password is then needed to access the functions.

Fine (cushion/free) swing control

This option enables smooth movement at the start and stop of swing operation (cushion swing). In addition, it reduces the shaking of the weight when lifting operation (free swing).

The HX A-Series is designed with the operator in mind. Many electronic functions are concentrated in the most convenient spot for operators to improve work efficiency.

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless operation.

THE ULTIMATE SAFE ENVIRONMENT

Small details can make a huge difference when it comes to safety and security. The HX480A L and HX520A L offer all-round protection for you, your workmates and your machinery. The cabin is designed to provide maximum visibility, with the option of Advanced Around View Monitoring (AAVM) for an even broader field of vision. By helping to ensure an accident-free worksite, these crawler excavators contribute to the peace of mind and productivity that form part of the Hyundai Effect.

Built for safer operation

Electronic swing brake

An electronic valve and control system has been added to improve safety and utilisation. The opening and closing time of the swing brake valve is controlled according to the sensing and control system.

Seat belt warning alarm

If the seatbelt is not buckled when the ignition key is turned, an alarm is triggered in intervals along with a continuous visual alert. This emphasises our priority for operator safety.

Side camera ▲

In addition to the standard rear view camera, there is an optional right hand side camera for giving the operator improved visibility.

Visibility and handle improvement ▲

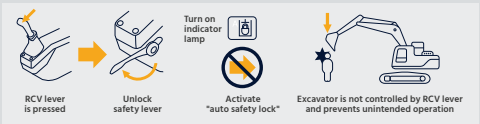
Visibility through the cabin door has been improved as has the handle design, to offer greater convenience when getting in and out of the cabin.

Advanced Around View Monitoring (AAVM) ▶

The AAVM camera system gives you a 360° overview of your immediate working environment. It also includes Intelligent Moving Object Detection (IMOD) technology that senses and warns you when people or objects come within five metres of the machine.

Activate Auto Safety Lock

The Auto Safety Lock prevents unintended operation due to the excavator not being controlled solely by the RCV lever.



SERVICEABILITY AND TELEMATICS

Our A-Series excavators are designed with quick, low-effort servicing in mind. Every component and material has been optimised to ensure a long, trouble-free life. Hyundai's innovative Hi MATE telematics system enables full monitoring of machine activity and performance. Maximum connectivity is integrated to help owners create a smart construction site and protect profitability as their business grows.

Less maintenance. More uptime

Improved routine maintenance

Easy access for maintenance means regular checks get done faster, giving you more uptime and reducing operating costs. Ground level access to filters, lube fittings and master switches make servicing more convenient.

2 x longer lasting filter (1000 hr)

Service intervals have increased by 100% from 500hrs to 1000hrs when using CK-4 engine oil on the following items, engine oil, pre-filter, engine oil filter and fuel filter.

100%
IMPROVEMENT IN SERVICE INTERVAL

Hi MATE

It's convenient, easy and valuable. Hi MATE, Hyundai's remote management system, utilises GPS-satellite technology to provide customers with the highest level of service and product support available.

Increase productivity

By providing information such as service hours, idle time and fuel consumption, Hi MATE saves you money and improves productivity. Service alerts enable better maintenance planning.

Monitor your machines

Hi MATE's real-time location information allows convenient monitoring of your equipment via the Hi MATE website or mobile app.

Improve Security

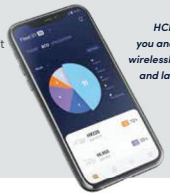
Protect your equipment from theft or unauthorised usage. Hi MATE's geofencing alerts notify you automatically when a machine leaves a predetermined zone.

ECD (Engine Connected Diagnostics)

ECD provides troubleshooting information as well as tailored servicing. Service technicians are supported with remote diagnostics allowing them to achieve quick resolution rate

Mobile fleet app

Our Mobile Fleet app provides all the information you need to run your fleet efficiently and economically.



HCE-DT Air connects you and your equipment wirelessly via smartphone and laptop right on site.

Keeping you covered

Hyundai genuine parts and accessories are designed to keep your machine running at optimum performance, providing increased uptime, comfort and productivity. Our 13000m² European Parts Warehouse guarantees 24-hour delivery across our dealer network.

Hyundai Standard and Extended Warranty Programmes are also available, providing peace of mind and giving you full control over your operating costs.

TAKE THE TOUR!

SERIES A HX480AL HX520AL

Productivity & Efficiency

- High-performing Stage V engine
- Eco Report
- Lifting mode
- EPIC hydraulic system
- Fuel Rate Information
- Eco Gauge
- Automatic engine shutdown

Serviceability & Connectivity

- Hi MATE
  - ECD (Engine Connected Diagnostics)
  - Mobile fleet app
- HCE-DT Air
- Maintenance-free DPF system

Safety

- Auto safety lock
- Electronic swing brake
- AAVM camera system
- Seat belt warning alarm
- Cabin suspension mount

Durability

- Side protector
- ROPS / FOG / FOPS certified cabin
- Reinforced upper and lower structure
- Reinforced attachments
- Durable cooling module
- Reinforced pins, bushings and polymer shims
- Wear-resistant cover plate

Ease of Use

- Improved visibility and door handle design
- Key On Init work mode
- Straight travel pedal
- Proportional auxiliary hydraulic system
- Fine (cushion/free) swing control
- Integrated audio system
- 8" touchscreen monitor
- Jog shuttle-type rotary dial
- Owner Menu Editing (OME)

Specifications and design are subject to change without notice. Pictures of Hyundai Construction Equipment Europe products may show other than standard equipment.

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READY TO CHANGE YOUR WORLD?

Contact your Hyundai dealer.
hyundai-ce.eu/en/dealer-locator

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