

HX55A_{CR}

COMPACT EXCAVATOR



Engine Output
47.6 hp (35.5 kW)

Bucket Capacity
0.15 m³

Operating Weight
5355 kg

BREAKING STANDARDS IN PRODUCTIVITY & PERFORMANCE

Introducing the new HX55A CR, the latest A-Series compact tracked excavator with minimal overhang. It benefits from a brand-new Stage V engine, delivering 35.5 kW (47.6 hp) gross power. With a load sensing system, 2 power modes and 2 speed travel, the compact radius machine is designed to be powerful yet efficient with a low Total Cost of Ownership (TCO).

Greater efficiency

The HX55A CR's new engine meets EU Stage V emission regulations without the need of DEF, resulting in reduced maintenance costs.



Compact power

The HX55A CR is a compact tailswing machine with minimal overhang and offers more digging and lifting power. It is available as either a cabin or canopy version.



Load sensing system

The HX55A CR is equipped with a hydraulic load sensing system to help reduce costs. It increases fuel efficiency when idling and increases power when needed for heavy lifting and other tough tasks.

2-way auxiliary piping

This feature comes as standard. A single or double acting mode can be selected by the operator.

Quick coupler piping OPTION

A factory-fitted hydraulic line can be added to operate any hydraulic quick coupler. This allows quick changes of attachments without having to leave the cabin.

2 power modes

For less fuel consumption or greater power, the operator can choose the best mode as needed.

2 speed travel

A fuel saving feature which improves overall efficiency and productivity on the job site.

Dozer blade float function

For greater versatility and speed, the blade automatically floats above the surface for smoother back grading. This allows the operator to clear and grade in one fluid motion.

4-way dozer blade OPTION

The new optional 4-way angle dozer blade offers a great solution for grading material, back-filling of trenches or snow removal. For even greater flexibility, the dozer blade angle can be adjusted from the cabin, for quick, precise levelling. The angle blade offers more versatility in your daily work by tilting sideways on top of the standard movements.



BREAKING STANDARDS IN COMFORT & EASE OF USE

With its spacious interior and high-visibility design, our new cabin offers an unparalleled level of comfort and safety, while optimised ergonomics and advanced features allow you to work with greater ease and efficiency. All together, they are designed to help you operate for extended periods without fatigue or discomfort.



New 5-inch digital display

A new, LCD full-colour display monitor allows you to easily control excavator settings and quickly access critical functions and daily operations. The monitor is also IP68 waterproof, especially important if working in a canopy model.

Adjustable auxiliary pressure monitor

For improved speed and ease-of-use, you can adjust the hydraulic attachment flow using the digital display as standard.

Auto-shift travel speed

This automated feature allows for seamless transitioning between high and low travel speeds, allowing the operator to focus on the task at hand while the machine makes the necessary adjustments.

Excellent visibility

Experience a whole new level of vision with our latest cabin design. Enhanced visibility provides a wider and more expansive field of view, giving you a clear and unobstructed view of your surroundings.



Proportional finger tip control **A**

Use the dozer blade lever with fingertip control to define the perfect driving speed when grading.

Proportional joysticks **B**

Proportional joysticks as standard will greatly improve the operability of your machine and attachments.



Modern audio system

Relax with convenient modern functions like the MP3 radio with added USB ports and enjoy hands free calls.

Canopy version **OPTION**

The HX55A CR can be supplied in a canopy version to help improve your visibility even more.

BREAKING STANDARDS IN SAFETY

HD Hyundai Compact Tracked Excavators have some of the highest safety standards in the industry, offering state-of-the-art features, some of which are unique in the industry. Our philosophy is to care for the machine, operator and the environment.

Auto Safety Lock

The auto safety lock prevents unintentional ignition and machine movement. When the safety lever is locked, the engine cannot be started and the system will not engage.

Overload warning

Available as standard, this warning device gives an audible and visible alarm when there's too much weight being lifted, to alert the operator.

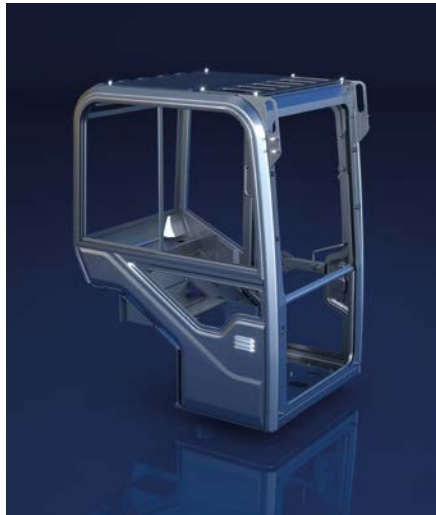


Safety valves

The safety valve on the boom, arm and dozer blade cylinder ensures safe digging or lifting with the blade down, even in case of a sudden pressure drop.

Boom, arm & bucket cylinder guards

For greater durability and to provide increased protection, we have added new cylinder guards as standard to the boom, arm, and bucket. They effectively shield the hydraulic cylinders from damage caused by debris and other external factors, reducing the risk of downtime and costly repairs.



Cabin structure

The HX55A CR cabin structure is highly durable and uses integrally welded low-stress, high strength steel to meet all certifications.

- **ROPS:** Roll-Over Protective Structures ISO12117-2
- **TOPS:** Tip-Over Protective Structures EN13531
- **FOG:** Falling Object Guard, ISO10262 Level 1

Rear view camera (OPTION)

The HX55A CR has the option to include a rear-view camera, allowing a clear view of all your surroundings and improving overall safety.

Anti-theft system

The system includes a password protected ignition key, to prevent the engine from starting without the correct key. Additionally, there is an optional GPS tracker (Hi MATE) that allows you to quickly locate the machine in case of theft.

BREAKING STANDARDS IN SERVICEABILITY & TELEMATICS

The true value of HX A-Series machines lies in their durability with robust structures and attachments, as well as easy access for maintenance and long service intervals. Cutting-edge telematics allow owners and operators to access vital machine information onboard and remotely for greater machine management.



QUICK
SERVICING FOR
MAXIMUM
UPTIME

Designed for easy maintenance

A tiltable cabin and new cowl layout help maximise uptime and keep service work to a minimum.



Dozer cylinder maintenance

Chassis connections allow for the easy replacement of hoses, ensuring easier servicing and maintenance.

Improved front equipment durability

Our upgraded front equipment is designed to withstand the toughest work environments, featuring reinforced steel components and advanced welding techniques to ensure maximum strength and longevity.

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, and idle time, 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.

Mobile fleet app

Our new mobile app provides all the information you need to run your equipment more efficiently and economically. It has been optimised for fleet management, providing health insights based on telematic technology to keep your machines working at maximum performance.



Keeping you covered

HD Hyundai Genuine Parts and Accessories are designed to keep your machine running at optimum performance, with 24-hour delivery across our dealer network. HD Hyundai Standard and Extended Warranty Programmes provide peace of mind and give you full control over your operating costs.



HX55A CR

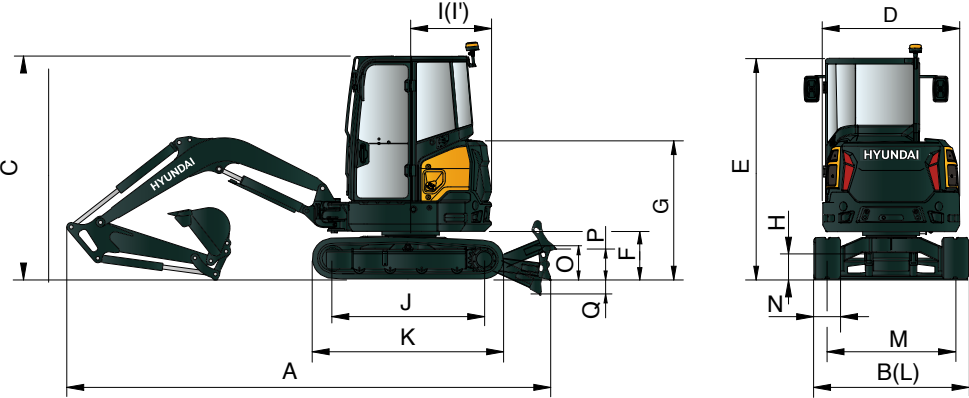
SPECIFICATIONS

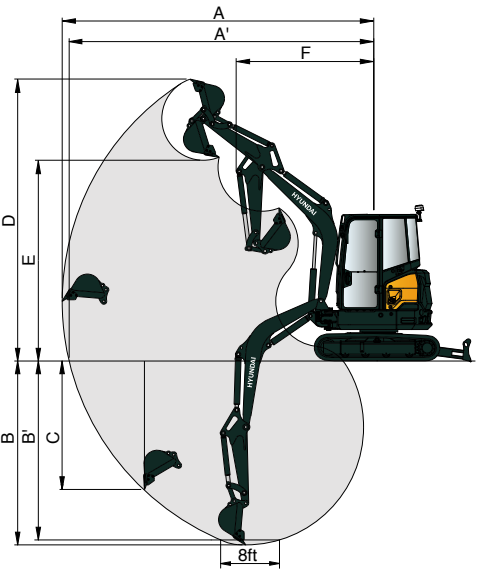
| SPECIFICATIONS | | HX55A CR |
|---|---------------------|--|
| Model | | HX55A CR |
| Operating weight | kg | 5355 |
| ENGINE | | HX55A CR |
| Manufacturer | | Yanmar |
| Model | | 4TNV86CT |
| Type | | 4 cycle, inline, water-cooled diesel engine |
| Emission standard | | Stage V |
| Gross | hp (kW) | 47.6 (35.5) |
| Net | hp (kW) | 45 (33.6) |
| Peak torque | Nm | 176.6 |
| No. of cylinders | | 4 |
| Bore x Stroke | mm | 86 x 90 |
| Displacement | cc | 2091 |
| HYDRAULIC SYSTEM | | HX55A CR |
| Pump type | | Load sensing system |
| Max. pressure | kgf/cm ² | 275 |
| Max. flow rate | l/min | 138 |
| Aux. flow rate (2way) | l/min | 75 |
| Fuel tank capacity | l | 66.8 |
| Hydraulic capacity (tank/system) | l | 44/63 |
| PERFORMANCE | | HX55A CR |
| Bucket breakout force (ISO) | kN (kgf) | 43 |
| Arm tearout force (ISO) | kN (kgf) | 27 |
| Travel speed (low/high) | km/h | 2.6/4.7 |
| Traction force | kg | 5662 |
| Swing speed | rpm | 10 |
| KEY SPECIFICATIONS | | HX55A CR |
| Boom length | mm | 2,800 |
| Arm length | mm | 1400/ 1650 |
| Bucket capacity, std. SAE | m ³ | 0.15 |
| Boom swing angle left/right | degree | 70/60 |
| Rubber track width | mm | 400 |
| Ground pressure | kgf/cm ² | 0.29 |
| Sound level | | |
| Exterior sound level (2000/14/EC - ISO 6395:2008) Lwa | dB(A) | 97 |
| Interior sound level (ISO 6396:2008) Lpa | dB(A) | 74.8 |
| Air conditioning | | The air conditioning system contains fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.70 kg of refrigerant representing a CO ₂ equivalent of 1.00 metric tonnes. |

* All equipment dimension is based on cabin, standard boom/arm and counterweight.

HX55A CR

DIMENSIONS & WORKING RANGE

| MACHINE DIMENSIONS | | |
|---|---|-------------|
|  | | |
| Unit : mm | | |
| | HX55A CR | |
| A | Overall length (with 1400mm arm) | 5490 |
| B | Overall width | 2000 |
| C | Overall height | 2555 |
| D | Overall width of upperstructure | 1850 |
| E | Overall height of canopy | 2555 |
| F | Ground clearance of counterweight | 608 |
| G | Overall height of engine hood | 1605 |
| H | Minimum ground clearance | 215 |
| I | Rear-end distance (with additional c/w) | 1100 (1175) |
| | HX55A CR | |
| I' | Rear swing radius (with additional c/w) | 1100 (1175) |
| J | Distance between tumbler | 2000 |
| K | Undercarriage length | 2515 |
| L | Undercarriage width | 2000 |
| M | Track gauge | 1600 |
| N | Track width | 400 |
| O | Height of blade | 350 |
| P | Ground clearance of blade up | 485 |
| Q | Depth of blade down | 670 |

| WORKING RANGE | | |
|---|----------------------------------|------|
|  | | |
| Unit : mm | | |
| | HX55A CR | |
| Boom length | 2800 | |
| Arm length | 1400 | 1650 |
| A | Max. Digging reach | 5990 |
| A' | Max. Digging reach on ground | 5850 |
| B | Max. Digging depth | 3500 |
| B' | Max. Digging depth (8' level) | 3095 |
| C | Max. Vertical wall digging depth | 2650 |
| D | Max. Digging height | 5570 |
| E | Max. Dumping height | 3860 |
| F | Min. Swing radius | 2540 |









HX55A CR

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees











HX55A CR

2.8m boom, 1.4m arm equipped with 400mm rubber track, dozer down position.

| Lift-point height (m) | | Lift-point radius | | | | | | At max. Reach | | |
|-----------------------|----|---|---|---|---|---|---|---|---|-------|
| | | 2.0m | | 3.0m | | 4.0m | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  | m |
| 4.0m | kg | | | | | | | 1120 | 970 | 3.97 |
| 3.0m | kg | | | | | *1070 | 960 | 1100 | 740 | 4.68 |
| 2.0m | kg | | | 1670 | 1440 | 1250 | 930 | 1110 | 650 | 5.03 |
| 1.0m | kg | | | 2250 | 1340 | 1470 | 890 | 1140 | 630 | 5.12 |
| 0.0m | kg | | | 2430 | 1310 | 1590 | 870 | 1180 | 650 | 4.95 |
| -1.0m | kg | *2690 | 2590 | 2260 | 1310 | 1510 | 860 | 1210 | 740 | 4.51 |
| -2.0m | kg | *2740 | *2650 | 1700 | 1340 | | | 1180 | 1010 | 3.65 |

HX55A CR

2.8m boom, 1.65m arm equipped with 400mm, rubber track, dozer down position.

| Lift-point height (m) | | Lift-point radius | | | | | | | | At max. Reach | | |
|-----------------------|----|---|---|---|---|---|---|---|---|---|---|-------|
| | | 1.0m | | 2.0m | | 3.0m | | 4.0m | | Capacity | | Reach |
| | |  |  |  |  |  |  |  |  |  |  | m |
| 4.0m | kg | | | | | | | 960 | 960 | 1020 | 860 | 4.3 |
| 3.0m | kg | | | | | | | 970 | 970 | 980 | 680 | 4.95 |
| 2.0m | kg | | | | | 1480 | 1450 | 1160 | 930 | 960 | 600 | 5.28 |
| 1.0m | kg | | | | | 2120 | 1350 | 1400 | 890 | 1010 | 580 | 5.36 |
| 0.0m | kg | | | | | 2400 | 1290 | 1560 | 860 | 1090 | 590 | 5.2 |
| -1.0m | kg | 1820 | 1820 | 2380 | 2380 | 2320 | 1290 | 1540 | 850 | 1130 | 670 | 4.79 |
| -2.0m | kg | 3170 | 3170 | 3180 | 2600 | 1890 | 1310 | 1140 | 870 | 1130 | 870 | 4.01 |

1. Lifting capacities are based on ISO 10567.
2. Lifting capacity of the HX A-series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.
5. Caution: please be aware of the local regulations and instructions for lifting operations.

HX55A CR

STANDARD/OPTIONAL EQUIPMENT

| MODEL | HX55A CR |
|---|----------|
| ENGINE | |
| Electrical controlled Yanmar engine | ● |
| Double-element air filter | ● |
| Auto-idling | ● |
| Water seperator with filter | ● |
| Electric fuel filler pump | □ |
| HYDRAULIC SYSTEM | |
| Load-sensing hydraulic system | ● |
| Two-speed travel with auto-shift | ● |
| Dozer blade floating function | ● |
| Angle dozer blade | □ |
| Pressure accumulator | ● |
| Proportional Aux. control | □ |
| 1 way Aux. hydraulic line for breaker | ● |
| 2 way Aux. hydraulic line for grapple | □ |
| 4 way Aux. hydraulic line for rotating | □ |
| Divert valve for 2 way hydraulic | □ |
| Adjustable Aux. flow on cluster | ● |
| CABIN | |
| ROPS (Roll-over protective structure, ISO12117-2) | ● |
| FOG Level 1 (Falling-object guard, ISO10262) | □ |
| Heated Adjustable Mechanical Suspension Seat | ● |
| Retractable seatbelt with warning alarm | ● |
| Heating & Air Conditioning | ● |
| Travel levers with foot pedals | ● |
| Power-assisted front window | ● |
| Rear view camera | □ |
| Travel alarm | ● |
| LED beacon lamp | □ |
| 5" Digital cluster with IP68 water & dust proof | ● |
| Radio with USB | ● |
| 12V power socket | ● |
| Side & Rear Mirrors | ● |
| Cup holder | ● |

| MODEL | HX55A CR |
|---|----------|
| CANOPY | |
| ROPS (Roll-over Protective structure, ISO3471) | ● |
| OPS (Operator Protective Guard) Level 1 | □ |
| Heated Adjustable Mechanical Suspension Seat | ● |
| Retractable seatbelt with warning alarm | ● |
| Travel levers with foot pedals | ● |
| 5" Digital cluster with IP68 water & dust proof | ● |
| 12V power socket | ● |
| Side Mirror | ● |
| Cup holder | ● |
| Horn | ● |
| WORKING EQUIPMENT | |
| Boom swing function | ● |
| Long arm option | □ |
| Quick coupler piping | □ |
| Additional counter weight option | □ |
| Safety valves for Boom/Arm/Dozer blade | ● |
| Overload warning alarm | ● |
| Travel & Swing motor with discs brake | ● |
| 1 LED work light on boom | ● |
| 2 LED work lights on cabin | □ |
| UNDERCARRIAGE | |
| Rubber track | ● |
| Steel track | □ |
| Interchangeability between rubber and steel track | ● |
| TELEMATICS | |
| Hyundai telematic system Hi MATE | □ |

- Standard
- Optional



HYUNDAI



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