

Gross Power
298 kW (400 HP) at 2,100 rpm

Net Power
295 kW (395 HP) at 2,100 rpm

Bucket Capacity
1.00 m³~3.20 m³

Operating Weight
52,400kg

HX520A L

With EU Stage V Engine Installed



HYUNDAI CONSTRUCTION EQUIPMENT

Head Office(Sales Office)

3F, Bundang First Tower, 55 Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13591, Korea

PLEASE CONTACT

www.hyundai-ce.com

2022. JAN

* Photo may include optional equipment

WHAT'S NEWEST AND BEST

HX520A L

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

- EU STAGE V Engine **NEW**
- Eco Report **NEW**
- Lifting Mode **NEW**
- IPC (Intelligent Power Control) **Upgrade**
- Fuel Rate Information
- Eco Gauge
- Automatic Engine Shutdown

NEW EXTERIOR DESIGN FOR ROBUSTNESS AND SAFETY

- Side Protector **Option**
- ROPS/FOG Cabin **Option**
- Removal CWT **Option**
- Reinforced Durability of Upper and Lower Structure and Attachments
- Durable Cooling Module
- Reinforced Pin, Bush and Polymer Shim
- Wear Resistant Cover Plate

EASY CONTROL AND COMFORTABLE OPERATION

- Visibility and Handle Improvement **NEW**
- Key On Init Work Mode **NEW**
- One Pedal Travel Straight **Option**
- Proportional Auxiliary Hydraulic System **Option**
- Fine(Cushion/Free) Swing Control **Option**
- Integrated Audio System
- Intelligent & Wide Cluster
- Jog Dial Module
- OME (Owner Menu Editing)

THE ULTIMATE SAFE ENVIRONMENT

- Auto Safety Lock **NEW**
- Electronic Swing Parking Brake **NEW**
- AAVM **Option**
- Seatbelt Warning Alarm
- Cabin Suspension Mount

SERVICEABILITY AND TELEMATICS

- ECD (Engine Connected Diagnostics) **NEW**
- Mobile Fleet App **NEW**
- Hi MATE **Option**
- Unnecessary Regular DPF Cleaning Service Interval





THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

HX A Series is equipped with eco-friendly, high-performance engines that meet the EU Stage V emission requirements.

BETTER FUEL-EFFICIENCY
(Compared to HX Series)

Leveling **4%** ↑

Loading **6%** ↑



ENVIRONMENTALLY FRIENDLY FUEL EFFICIENCY

Eco Report **NEW**

It reports the excavator's inefficient operation status and help improving operator's working habit.



Fuel Rate Information

Fuel information is displayed as average rate and latest fuel consumed for guiding to economy operating.



Eco Gauge

Gauge level changes in accordance with engine working load and color indicates fuel saving-operation status.



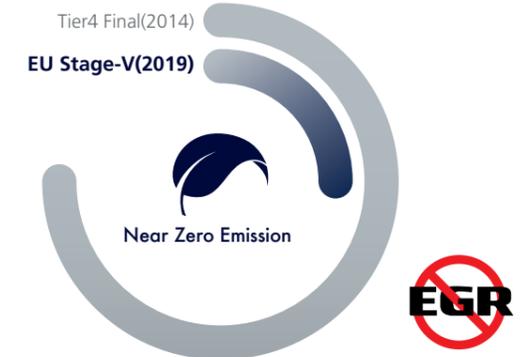
Automatic Engine Shutdown

Adjustable 'Automatic Engine Shutdown' significantly reduces idle time, overall operating hours and fuel consumption.



EU STAGE V Engine **NEW**

'Cummins X12' engine meeting Euro Stage V emission regulations is designed for maximum productivity and fuel efficiency.



IPC (Intelligent Power Control) **Upgrade**

HX A Series adopts the upgraded IPC system. It is able to optimize pump flow rate and power at the various working condition through the individual pump control. Furthermore, optimized design of MCV and pipe line minimizes energy loss such as conflux and throttle loss.



Lifting Mode

This work mode improves fine operability and lift capability through RPM reduction, power boost activation and pump flow control.



NEW EXTERIOR DESIGN FOR ROBUSTNESS AND SAFETY

The true value of HX A Series lies in its durability and high productivity. The robust upper and lower frame structure can endure external shock and heavy work loads. Attachment performance has been proven through rigorous field testing. No matter how tough the working environment is, you can always rely on the HYUNDAI Excavator HX A Series.



We make the best performance in rough working conditions without any unsureness with trustworthy HX520A L.



HX A Series is equipment with eco-friendly, high-performance engines that meet the EU Stage V emission requirement. Become a true leader on the ground with HX A Series.

Removal CWT Option



Reinforced Durability of Upper and Lower Structure and Attachments

The upper and lower structure and attachments of HX A Series have higher durability than demanded on the site, as proven through numerous tests including road tests and virtual simulation. The wear resistance of the bucket has been improved by use of new material.



Durable Cooling Module

HX A Series has a durable cooling module that passed stringent tests, demonstrating the highest productivity in tough working environments.



Side Protector Option

Protect sides frame during operation in narrow area.



13%

CABIN SPACE FOR DRIVERS INCREASED BY



310mm

340mm

HYUNDAI

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 HCE's intensive information technology development, enables both productivity and comfort while working! HX A Series is designed with the operator in mind.

Intelligent & Wide Cluster

The 8" capacitive-type display(like smart-phone display) of HX A Series is delivering excellent legibility. The centralized switches on the display allow convenience of checking the urea level and temperature outside the cabin.

One Pedal Travel Straight **Option**

One Pedal straight Travel is available for customers' convenience when long distance traveling or combination of attachment work with traveling is necessary.



Proportional Auxiliary Hydraulic System **Option**

Proportional control switch with better speed control helps operators to enlarge the operation convenience whenever they do time-consuming work.

Jog Dial Module

The integrated jog dial module applies to the accelerator, remote air conditioner controller and operation of the cluster, allowing convenient operation. In the event of failure of the jog dial module, the emergency mode is activated on the cluster to ensure fail-safe function.



Visibility and Handle Improvement **NEW**

Visibility through cabin door is improved and handle design on the cabin door is also improved and offers better convenient while operator get on and off the cabin.



Key On Init Work Mode **NEW**

Operator can maintain previously set about attachment mode when starting.



Fine Swing Control **Option**

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).

Integrated Audio System

The radio player with a USB-based MP3 player, an integrated Bluetooth hands-free feature, and a built-in microphone allow for phone calls while at work and in transit. The radio player is conveniently located on the right side of the operator to allow for improved access.



OME(Owner Menu Editing)

The Owner of machine can restrict operators access the set of functions. In the menu, Owner can set the list of the function to lock or unlock it. It is necessary to input the password to access the set of function.





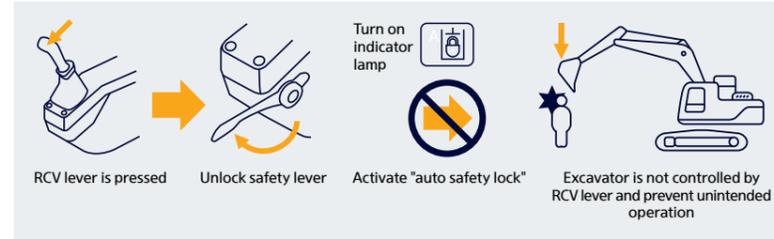
HX520A L with advanced technology ensures our safety on a construction site.



HX A Series excavators are products of HCE's spirit of initiative, creativity, and strong drive. HCE engineers, who are the best in the industry, have worked tirelessly to offer a zero-defect product. The new HX A Series reflects customers' needs in the field gleaned by thorough monitoring.

Auto Safety Lock **NEW**

It prevents unintended operation. If operator unlock safety lever when RCV lever is pressed, excavator is not controlled by RCV lever.



AAVM(Advanced Around View Monitoring) Camera System **Option**

HX A Series has a state-of-the-art AAVM video camera system to secure field of vision for operators in all directions, thereby preventing accidents. Operators can easily check the workplace in the front and rear and to the right and left.

- **AAVM**(Advanced Around View Monitoring) : Secure field of vision in all directions by nine views including 3D bird's eye view and 2D/4CH view.
- **IMOD**(Intelligent Moving Object Detection) : Inform when pedestrians or dangerous objects are moving around the machine waiting for work.



Electronic Swing Parking System

An electronic valve and control system is applied to improve safety and utilization. The opening and closing time of the swing brake valve is controlled according to the sensing and control system.

Seatbelt 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 emphasizes our priority for operator safety.

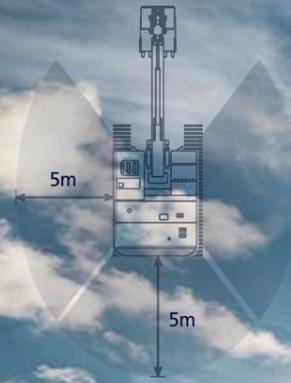
Cabin Suspension Mount

With a low-vibration design by the coil spring and damper inside the mount, the cab suspension mount of HX A Series reduces noise inside the cabin and improves durability, providing a comfortable operation space that lessens operators' fatigue.



THE ULTIMATE SAFE ENVIRONMENT

The true value of HX A Series lies in its durability. The robust frame structure and the attachments show the real value of HX A Series in tough working environments and promise higher productivity.



* AAVM (OPTION APPLIED)





SERVICEABILITY AND TELEMATICS

IoT / ICT / AI-based digital technology.
Creating a smart construction site. Maximizes connectivity, productivity, and safety for successful businesses.



Hi MATE

Option

IT'S CONVENIENT, EASY AND VALUABLE

Hi MATE Hyundai's newly developed remote management system, utilizes GPS-satellite technology to provide customers with the highest level of service and product support available. Hi MATE enables users to remotely evaluate machine performance, access diagnostic information, and verify machine locations at the touch of a button.

WHAT IS BENEFITS



Increase Productivity

It helps you operate machines in efficient. You can check the difference between total engine hours and actual working hours. See how productive your machines are and plan any required cost saving solutions. Hi MATE offers working information such as working / idling hours, fuel consumption and rate.



Convenient and Easy Monitoring

There is nothing much to do to monitor your machines. Just log on to the Hi MATE website or mobile application. Hi MATE allows you to watch your machines whenever and wherever you are.



Security

Protect your machines from theft or unauthorized usage with Hi MATE. If the machine moves out of the Geofence boundary, you will get alerts.

ECD(Engine Connected Diagnostics) **NEW**

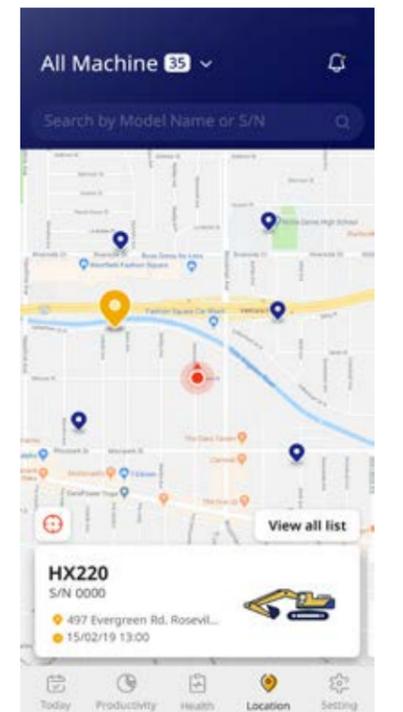
ECD will support the after sales technicians and dealers with a diagnostics report (via e-mail, mobile, app or Hi MATE) on the engine performance. This will help after sales technicians arrive on site with the necessary tools and parts to troubles in one visit.

ECD is an integrated remote diagnostics service between Cummins cloud and Hi MATE cloud.



Mobile Fleet App. **NEW**

The new Mobile App is optimized to fleet management. It provides productivity, health insights based on telematics technology and enables fleet owner just focus on most wanted equipment in view of economical usage, utilization, fault codes and maintenance.



'Hi MATE Fleet Manager' App

SPECIFICATIONS

ENGINE

| | |
|---------------------------------|---|
| Maker / Model | CUMMINS / X12 |
| Type | 6 cylinder, water cooled, 4-cycle, turbocharged charge air cooled, direct injection, electronic controlled diesel engine. |
| Gross Power | 298 kW (400 hp) at 2,100 rpm |
| Net Power | 295 kW (395 hp) at 2,100 rpm |
| Max. Power | 300 kW (402 hp) at 1,800 rpm |
| Peak Torque | 1,898 N · m (1,400 lb·ft) at 1,400 rpm |
| Displacement | 11.8 l (720 cu in) |
| Operating Altitude (w/o derate) | 2,000 m (6,562 ft) |

HYDRAULIC SYSTEM

MAIN PUMP

| | |
|----------------------------|--|
| Type | Variable displacement axis piston pumps |
| Max. Flow | 2 × 394 lpm (104.0 US gpm / 86.7 UK gpm) 1 × 23.9 lpm (6.3 US gpm / 5.3 UK gpm) |
| Sub-Pump For Pilot Circuit | Gear pump |

Cross-sensing and fuel saving pump system

HYDRAULIC MOTORS

| | |
|--------|--|
| Travel | Two speed axial pistons motor with brake valve and parking brake |
| Swing | Axial piston motor with automatic brake |

RELIEF VALVE SETTING

| | |
|---------------------------------|-------------------------------------|
| Implement Circuits | 330 kgf/cm ² (4,694 psi) |
| Travel | 360 kgf/cm ² (5,120 psi) |
| Power Boost (boom, arm, bucket) | 360 kgf/cm ² (5,120 psi) |
| Swing Circuit | 285 kgf/cm ² (4,053 psi) |
| Pilot Circuit | 40 kgf/cm ² (569 psi) |
| Service Valve | Installed |

HYDRAULIC CYLINDERS

| | |
|-------------------------------|---|
| No. of Cylinder Bore X Stroke | Boom 2-Ø170 × 1,580 mm |
| | Arm 1-Ø190 × 1,850 mm |
| | Bucket 1-Ø170 × 1,360 mm |
| | 1-Ø160 × 1,360 mm |
| | 9,000mm (29' 6") Boom & 6,000mm (19' 8") Arm Only |

DRIVES & BRAKES

| | |
|--------------------------------|---|
| Drive Method | Fully hydrostatic type |
| Drive Motor | Axial piston motor, in-shoe design |
| Reduction System | Planetary reduction gear |
| Max. Drawbar Pull | 39,674 kgf (87,466 lbf) |
| Max. Travel Speed (High / Low) | 3.3 km/hr (2.1 mph) / 5.3 km/hr (3.3 mph) |
| Gradeability | 35° (70%) |
| Parking Brake | Multi wet disc |

CONTROL

| | |
|---|--|
| Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation. | |
| Pilot Control | Two joysticks with one safety lever (LH) : Swing and arm, (RH) : Boom and bucket (ISO) |
| Traveling and Steering | Two levers with pedals |
| Engine Throttle | Electric, dial type |

SWING SYSTEM

| | |
|---------------------------|--------------------------|
| Swing Motor | Axial piston motor |
| Swing Reduction | Planetary gear reduction |
| Swing Bearing Lubrication | Grease-bathed |
| Swing Brake | Multi wet disc |
| Swing Speed | 9.0 rpm |

SERVICE REFILL CAPACITIES

| | liter | US gal | UK gal |
|-----------------------------------|-------|--------|--------|
| Fuel tank | 600 | 158.4 | 131.9 |
| Engine coolant | 43 | 11.3 | 9.4 |
| Engine oil | 34 | 9.0 | 7.5 |
| Swing device | 7 | 1.8 | 1.5 |
| Final drive (each) | 13 | 3.4 | 2.9 |
| Hydraulic system (including tank) | 499 | 131.7 | 109.7 |
| Hydraulic tank | 275 | 72.6 | 60.4 |
| DEF/AdBlue® | 70 | 18.4 | 15.3 |

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

| | |
|------------------------------------|---------------------|
| Center frame | X - leg type |
| Track frame | Pentagonal box type |
| No. of shoes on each side | 53 EA |
| No. of carrier roller on each side | 3 EA |
| No. of track roller on each side | 9 EA |
| No. of rail guard on each side | 2 EA |

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 7,060mm (23' 2") boom, 3,380mm (11' 1") arm, SAE heaped 2.2m³ (2.88 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

OPERATING WEIGHT

| Shoes | Operating weight | Ground pressure |
|----------------|------------------|------------------|
| Type | Width mm (in) | kg (lb) |
| Triple grouser | 600 (24") | 52,048 (114,744) |
| | 700 (28") | 52,568 (115,891) |
| | 800 (32") | 53,098 (117,059) |
| Double grouser | 900 (36") | 53,606 (118,179) |
| | 600 (24") | 52,080 (114,815) |
| 700 (28") | 52,610 (115,983) | |

AIR CONDITIONING SYSTEM

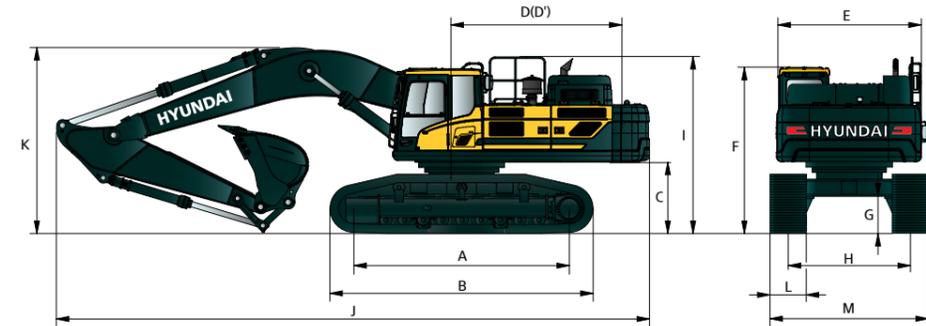
The air condition system for the machine contains the fluorinated green-house gas with global warming potential of R134a. (Global Warming Potential : 1430)

The system hold 0.8kg refrigerant consisting of a CO₂ equivalent 1.14kg metric tonne. For more information, Please refer to the manual.

DIMENSIONS & WORKING RANGE

HX520A L DIMENSIONS

6.55 m (21' 6"), 7.06 m (23' 2"), 9.0 m (29' 6") BOOM and 2,55 (8' 4"), 2.9 m (9' 6"), 3.38 m (11' 1"), 4.0 m (13' 1"), 6.0 m (19' 8") ARM



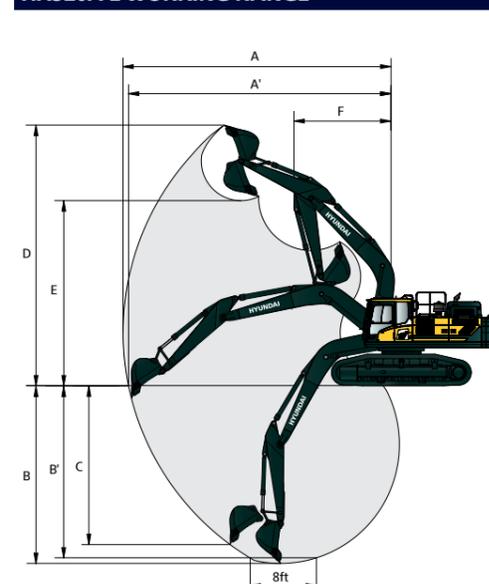
Unit : mm (ft-in)

| | |
|---------------------------------------|--|
| A Tumbler Distance | 4,470 (14' 8") |
| B Overall Length of Crawler | 5,490 (18' 0") |
| *C Ground Clearance of Counter Weight | 1,445 (4' 9") |
| D Tail Swing Radius | 3,800 (12' 6") |
| D' Rear-End Length | 3,745 (12' 3") |
| E Overall Width of Upper Structure | 2,980 (9' 9") |
| *F Overall Height of Cab | 3,365 (11' 0") |
| G Min. Ground Clearance | 770 (2' 6") |
| H Track gauge | Extended 2,940 (9' 8") Retracted 2,380 (7' 10") |
| *I Overall Height Guardrail | 3,595 (11' 10") |

* This figure includes the size of grousers.

| | | 6,550 (21' 6") | | | 7,060 (23' 2") | | | 9,000 (29' 6") | |
|---------------------------|-----------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|------------------|-----------------|
| | | 2,550 (8' 4") | 2,900 (9' 6") | 3,380 (11' 1") | 2,550 (8' 4") | 2,900 (9' 6") | 3,380 (11' 1") | 4,000 (13' 1") | 6,000 (19' 8") |
| Boom Length | | | | | | | | | |
| Arm Length | | | | | | | | | |
| J Overall Length | | 11,680 (38' 4") | 11,690 (38' 4") | 11,650 (38' 3") | 12,200 (40' 0") | 12,210 (40' 1") | 12,160 (39' 11") | 12,150 (39' 10") | 14,080 (46' 2") |
| *K Overall Height of Boom | | 3,920 (12' 10") | 3,970 (13' 0") | 3,900 (12' 10") | 3,830 (12' 7") | 3,890 (12' 9") | 3,850 (12' 8") | 3,980 (13' 1") | 3,970 (13' 0") |
| L Track Shoe Width | | 600 (24") | 700 (28") | 800 (32") | 900 (35") | | | | |
| M Overall gauge | Extended | 3,540 (11' 7") | 3,640 (11' 11") | 3,740 (12' 3") | 3,840 (12' 7") | | | | |
| | Retracted | 2,980 (9' 9") | 3,080 (10' 1") | 3,180 (10' 5") | 3,280 (10' 9") | | | | |

HX520A L WORKING RANGE



Unit : mm (ft-in)

| | | 6,550 (21' 6") | | | 7,060 (23' 2") | | | 9,000 (29' 6") | |
|------------------------------------|--|------------------|-----------------|------------------|-----------------|-----------------|------------------|-----------------|------------------|
| | | 2,550 (8' 4") | 2,900 (9' 6") | 3,380 (11' 1") | 2,550 (8' 4") | 2,900 (9' 6") | 3,380 (11' 1") | 4,000 (13' 1") | 6,000 (19' 8") |
| Boom length | | | | | | | | | |
| Arm length | | | | | | | | | |
| A Max. digging reach | | 10,870 (35' 8") | 11,130 (36' 6") | 11,520 (37' 10") | 11,410 (37' 5") | 11,670 (38' 3") | 12,060 (39' 7") | 12,610 (41' 4") | 16,110 (52' 10") |
| A' Max. digging reach on ground | | 10,610 (34' 10") | 10,890 (35' 9") | 11,280 (37' 0") | 11,170 (36' 8") | 11,440 (37' 6") | 11,840 (38' 10") | 12,400 (40' 8") | 15,940 (52' 4") |
| B Max. digging depth | | 6,380 (20' 11") | 6,730 (22' 1") | 7,210 (23' 8") | 6,820 (22' 5") | 7,170 (23' 6") | 7,650 (25' 1") | 8,270 (27' 2") | 11,550 (37' 11") |
| B' Max. digging depth (8' level) | | 6,210 (20' 4") | 6,570 (21' 7") | 7,070 (23' 2") | 6,650 (21' 10") | 7,010 (23' 0") | 7,510 (24' 8") | 8,140 (26' 8") | 11,450 (37' 7") |
| C Max. vertical wall digging depth | | 4,760 (15' 7") | 4,400 (17' 9") | 4,990 (16' 4") | 5,200 (17' 1") | 5,630 (18' 6") | 5,410 (17' 9") | 6,090 (20' 0") | 8,570 (28' 2") |
| D Max. digging height | | 10,760 (35' 4") | 10,730 (35' 2") | 10,740 (35' 3") | 11,150 (36' 7") | 11,170 (36' 8") | 11,140 (36' 7") | 11,410 (37' 5") | 13,180 (43' 3") |
| E Max. dumping height | | 7,290 (23' 11") | 7,220 (23' 8") | 7,400 (24' 3") | 7,680 (25' 2") | 7,710 (25' 4") | 7,790 (25' 7") | 8,000 (26' 3") | 9,880 (32' 5") |
| F Min. swing radius | | 4,440 (14' 7") | 4,390 (14' 7") | 4,490 (14' 9") | 4,820 (15' 10") | 4,880 (16' 0") | 4,870 (16' 0") | 4,630 (15' 2") | 5,630 (18' 6") |

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX520A L MONO BOOM

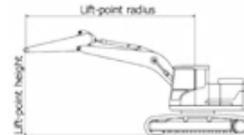
6.55 m (21' 6") boom, 2.55 m (8' 4") arm equipped with 600 mm (24") triple grouser shoe.

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | At max. reach | | | |
|--------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|------------------|--------------------|--------------------|----------------|
| | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | 7.5m (24.6ft) | | Capacity | | Reach | |
| | | | | | | | | | | | m (ft) | |
| 9.0m 29.5ft | kg lb | | | | | | | | | *13,740 *30,290 | *13,740 *30,290 | 5.92 (19.4) |
| 7.5m 24.6ft | kg lb | | | *13,220 *29,150 | *13,220 *29,150 | | | | | *12,550 *27,670 | *12,550 *27,670 | 7.29 (23.9) |
| 6.0m 19.7ft | kg lb | | | *14,060 *31,000 | *14,060 *31,000 | *12,430 *27,400 | 12,010 26,480 | | | *12,050 *26,570 | *10,420 22,970 | 8.17 (26.8) |
| 4.5m 14.8ft | kg lb | | *20,650 *45,530 | *20,650 *45,530 | *15,550 *34,280 | *15,550 *34,280 | *13,010 *28,680 | 11,690 25,770 | | *11,820 *26,060 | 9,280 20,460 | 8.70 (28.5) |
| 3.0m 9.8ft | kg lb | | | *17,050 *37,590 | 15,550 34,280 | *13,700 *30,200 | 11,300 24,910 | | | *11,730 *25,860 | 8,720 19,220 | 8.94 (29.3) |
| 1.5m 4.9ft | kg lb | | | *17,930 *39,530 | 14,970 33,000 | *14,130 *31,150 | 10,980 24,210 | | | *11,690 *25,770 | 8,600 18,960 | 8.93 (29.3) |
| 0.0m 0.0ft | kg lb | | *21,780 *48,020 | *21,780 *48,020 | *17,810 *39,260 | 14,690 32,390 | *14,000 *30,860 | 10,790 23,790 | | *11,610 *25,600 | 8,900 19,620 | 8.66 (28.4) |
| -1.5m -4.9ft | kg lb | *16,090 *35,470 | *16,090 *35,470 | *21,090 *46,500 | *21,090 *46,500 | *16,590 *36,570 | 14,660 32,320 | *12,900 *28,440 | 10,780 23,770 | *11,370 *25,070 | 9,770 21,540 | 8.10 (26.6) |
| -3.0m -9.8ft | kg lb | *20,140 *44,400 | *20,140 *44,400 | *17,510 *38,600 | *17,510 *38,600 | *13,900 *30,640 | *13,900 *30,640 | | | *10,640 *23,460 | *10,640 *23,460 | 7.18 (23.6) |

6.55 m (21' 6") boom, 2.90 m (9' 6") arm equipped with 600 mm (24") triple grouser shoe.

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | | | At max. reach | | | |
|--------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|---------------|--------------------|--------------------|----------------|
| | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | 7.5m (24.6ft) | | 9.0m (29.5ft) | | Capacity | | Reach | |
| | | | | | | | | | | | | | m (ft) | |
| 9.0m 29.5ft | kg lb | | | | | | | | | | | *11,720 *25,840 | *11,720 *25,840 | 6.31 (20.7) |
| 7.5m 24.6ft | kg lb | | | | | *11,790 *25,990 | *11,790 *25,990 | | | | | *10,850 *23,920 | *10,850 *23,920 | 7.61 (25.0) |
| 6.0m 19.7ft | kg lb | | | *13,430 *29,610 | *13,430 *29,610 | *13,430 *29,610 | *13,430 *29,610 | *11,920 *26,280 | *11,920 *26,280 | | | *10,600 *23,370 | 9,880 21,780 | 8.45 (27.7) |
| 4.5m 14.8ft | kg lb | | *19,570 *43,140 | *19,570 *43,140 | *14,950 *32,960 | *14,950 *32,960 | *12,570 *27,710 | 11,690 25,770 | | | | *10,730 *23,660 | 8,830 19,470 | 8.97 (29.4) |
| 3.0m 9.8ft | kg lb | | *22,960 *50,620 | *22,960 *50,620 | *16,550 *36,490 | 15,560 34,300 | *13,340 *29,410 | 11,270 24,850 | *11,410 *25,150 | 8,600 18,960 | | *11,190 *24,670 | 8,300 18,300 | 9.21 (30.2) |
| 1.5m 4.9ft | kg lb | | *19,880 *43,830 | *19,880 *43,830 | *17,610 *38,820 | 14,910 32,870 | *13,890 *30,620 | 10,900 24,030 | *11,490 *25,330 | 8,420 18,560 | | *11,210 *24,710 | 8,170 18,010 | 9.19 (30.2) |
| 0.0m 0.0ft | kg lb | | *23,620 *52,070 | 22,350 49,270 | *17,730 *39,090 | 14,550 32,080 | *13,920 *30,690 | 10,670 23,520 | | | | *11,210 *24,710 | 8,420 18,560 | 8.93 (29.3) |
| -1.5m -4.9ft | kg lb | *17,060 *37,610 | *17,060 *37,610 | *21,710 *47,860 | *21,710 *47,860 | *16,790 *37,020 | 14,460 31,880 | *13,120 *28,920 | 10,610 23,390 | | | *11,100 *24,470 | 9,170 20,220 | 8.39 (27.5) |
| -3.0m -9.8ft | kg lb | *22,460 *49,520 | *22,460 *49,520 | *18,470 *40,720 | *18,470 *40,720 | *14,520 *32,010 | *14,520 *32,010 | *10,680 *23,550 | *10,680 *23,550 | | | *10,650 *23,480 | *10,650 *23,480 | 7.51 (24.6) |
| -4.5m -14.8ft | kg lb | | *13,060 *28,790 | *13,060 *28,790 | *9,620 *21,210 | *9,620 *21,210 | | | | | | *9,150 *20,170 | *9,150 *20,170 | 6.15 (20.2) |

- Lifting capacity are based on ISO 10567.
- Lifting capacity of the HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- (*) indicates load limited by hydraulic capacity.



Rating over-front Rating over-side or 360 degree

HX520A L MONO BOOM

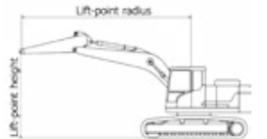
7.06 m (23' 2") boom, 2.55 m (8' 4") arm equipped with 600 mm (24") triple grouser shoe.

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | | | At max. reach | | | |
|--------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--|---------------|--------------------|--------------------|----------------|
| | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | 7.5m (24.6ft) | | 9.0m (29.5ft) | | Capacity | | Reach | |
| | | | | | | | | | | | | | m (ft) | |
| 9.0m 29.5ft | kg lb | | | | | | | | | | | *12,280 *27,070 | *12,280 *27,070 | 6.71 (22.0) |
| 7.5m 24.6ft | kg lb | | | | | | | *11,560 *25,490 | *11,560 *25,490 | | | *11,450 *25,240 | 11,020 24,290 | 7.94 (26.1) |
| 6.0m 19.7ft | kg lb | | | *13,750 *30,310 | *13,750 *30,310 | *11,880 *26,190 | *11,880 *26,190 | | | | | *11,080 *24,430 | 9,300 20,500 | 8.75 (28.7) |
| 4.5m 14.8ft | kg lb | | *15,380 *33,910 | *15,380 *33,910 | *12,620 *27,820 | 11,550 25,460 | *11,070 *24,410 | 8,750 19,290 | | | | *10,910 *24,050 | 8,370 18,450 | 9.25 (30.3) |
| 3.0m 9.8ft | kg lb | | *16,910 *37,280 | 15,190 33,490 | *13,390 *29,520 | 11,120 24,520 | *11,340 *25,000 | 8,560 18,870 | | | | *10,840 *23,900 | 7,920 17,460 | 9.48 (31.1) |
| 1.5m 4.9ft | kg lb | | *17,700 *39,020 | 14,640 32,280 | *13,880 *30,600 | 10,780 23,770 | *11,470 *25,290 | 8,380 18,470 | | | | *10,810 *23,830 | 7,810 17,220 | 9.47 (31.1) |
| 0.0m 0.0ft | kg lb | | *17,530 *38,650 | 14,400 31,750 | *13,850 *30,530 | 10,580 23,320 | *11,160 *24,600 | 8,290 18,280 | | | | *10,760 *23,720 | 8,050 17,750 | 9.21 (30.2) |
| -1.5m -4.9ft | kg lb | | *20,350 *44,860 | *20,350 *44,860 | *16,450 *36,270 | 14,390 31,720 | *13,080 *28,840 | 10,550 23,260 | | | | *10,600 *23,370 | 8,730 19,250 | 8.69 (28.5) |
| -3.0m -9.8ft | kg lb | *18,970 *41,820 | *18,970 *41,820 | *17,470 *38,510 | *17,470 *38,510 | *14,320 *31,570 | *14,320 *31,570 | *11,040 *24,340 | 10,730 23,660 | | | *10,090 *22,240 | *10,090 *22,240 | 7.84 (25.7) |
| -4.5m -14.8ft | kg lb | | *12,820 *28,260 | *12,820 *28,260 | *10,190 *22,470 | *10,190 *22,470 | | | | | | *8,660 *19,090 | *8,660 *19,090 | 6.55 (21.5) |

7.06 m (23' 2") boom, 2.90 m (9' 6") arm equipped with 600 mm (24") triple grouser shoe.

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | | | At max. reach | | | |
|--------------------------|-------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-----------------|---------------|--------------------|--------------------|----------------|
| | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | 7.5m (24.6ft) | | 9.0m (29.5ft) | | Capacity | | Reach | |
| | | | | | | | | | | | | | m (ft) | |
| 9.0m 29.5ft | kg lb | | | | | | | | | | | *11,430 *25,200 | *11,430 *25,200 | 7.08 (23.2) |
| 7.5m 24.6ft | kg lb | | | | | | | *10,990 *24,230 | *10,990 *24,230 | | | *10,780 *23,770 | 10,370 22,860 | 8.26 (27.1) |
| 6.0m 19.7ft | kg lb | | | *13,130 *28,950 | *13,130 *28,950 | *11,410 *25,150 | *11,410 *25,150 | *10,500 *23,150 | 8,890 19,600 | | | *10,480 *23,100 | 8,820 19,440 | 9.04 (29.7) |
| 4.5m 14.8ft | kg lb | | *20,070 *44,250 | *20,070 *44,250 | *14,790 *32,610 | *14,790 *32,610 | *12,200 *26,900 | 11,540 25,440 | *10,710 *23,610 | 8,730 19,250 | | *10,370 *22,860 | 7,970 17,570 | 9.52 (31.2) |
| 3.0m 9.8ft | kg lb | | *16,410 *36,180 | 15,200 33,510 | *13,040 *28,750 | 11,080 24,430 | *11,060 *24,380 | 8,500 18,740 | | | | *10,340 *22,800 | 7,530 16,600 | 9.74 (32.0) |
| 1.5m 4.9ft | kg lb | | *17,390 *38,340 | 14,560 32,100 | *13,630 *30,050 | 10,690 23,570 | *11,290 *24,890 | 8,290 18,280 | | | | *10,370 *22,860 | 7,420 16,360 | 9.73 (31.9) |
| 0.0m 0.0ft | kg lb | | *15,060 *33,200 | *15,060 *33,200 | *17,450 *38,470 | 14,240 31,390 | *13,740 *30,290 | 10,450 23,040 | *11,160 *24,600 | 8,160 17,990 | | *10,380 *22,880 | 7,610 16,780 | 9.48 (31.1) |
| -1.5m -4.9ft | kg lb | | *21,050 *46,410 | *21,050 *46,410 | *16,610 *36,620 | 14,180 31,260 | *13,170 *29,030 | 10,380 22,880 | | | | *10,310 *22,730 | 8,200 18,080 | 8.98 (29.5) |
| -3.0m -9.8ft | kg lb | *21,360 *47,090 | *21,360 *47,090 | *18,340 *40,430 | *18,340 *40,430 | *14,760 *32,540 | 14,330 31,590 | *11,550 *25,460 | 10,510 23,170 | | | *10,000 *22,050 | 9,440 20,810 | 8.16 (26.8) |
| -4.5m -14.8ft | kg lb | | *14,070 *31,020 | *14,070 *31,020 | *11,280 *24,870 | *11,280 *24,870 | | | | | | *9,020 *19,890 | *9,020 *19,890 | 6.93 (22.7) |

- Lifting capacity are based on ISO 10567.
- Lifting capacity of the HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- (*) indicates load limited by hydraulic capacity.



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX520A L MONO BOOM

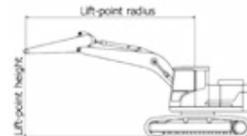
7.06 m (23' 2") boom, 3.38 m (11' 1") arm equipped with 600 mm (24") triple grouser shoe.

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | | | At max. reach | | | |
|--------------------------|-------------------|---------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|--------|--------|
| | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | 7.5m (24.6ft) | | 9.0m (29.5ft) | | Capacity | Reach | | |
| | | | | | | | | | | | | | | |
| 9.0m 29.5ft | kg | | | | | | | | | | *9,400 | *9,400 | 7.61 | |
| | lb | | | | | | | | | | *20,720 | *20,720 | (25.0) | |
| 7.5m 24.6ft | kg | | | | | | | | | | *8,930 | *8,930 | 8.71 | |
| | lb | | | | | | | | | | *19,690 | *19,690 | (28.6) | |
| 6.0m 19.7ft | kg | | | | | | | *10,010 | 9,030 | | *8,830 | 8,280 | 9.46 | |
| | lb | | | | | | | *22,070 | 19,910 | | *19,470 | 18,250 | (31.0) | |
| 4.5m 14.8ft | kg | | *18,770 | *18,770 | *14,140 | *14,140 | *11,770 | 11,690 | *10,360 | 8,820 | *8,980 | 7,530 | 9.92 | |
| | lb | | *41,380 | *41,380 | *31,170 | *31,170 | *25,950 | 25,770 | *22,840 | 19,440 | *19,800 | 16,600 | (32.5) | |
| 3.0m 9.8ft | kg | | | | *15,920 | 15,450 | *12,710 | 11,200 | *10,820 | 8,560 | *9,390 | 7,130 | 10.13 | |
| | lb | | | | *35,100 | 34,060 | *28,020 | 24,690 | *23,850 | 18,870 | *20,700 | 15,720 | (33.2) | |
| 1.5m 4.9ft | kg | | | | *17,160 | 14,740 | *13,450 | 10,780 | *11,170 | 8,330 | *9,890 | 7,020 | 10.12 | |
| | lb | | | | *37,830 | 32,500 | *29,650 | 23,770 | *24,630 | 18,360 | *21,800 | 15,480 | (33.2) | |
| 0.0m 0.0ft | kg | | *17,510 | *17,510 | *17,540 | 14,330 | *13,750 | 10,500 | *11,230 | 8,160 | *9,970 | 7,170 | 9.88 | |
| | lb | | *38,600 | *38,600 | *38,670 | 31,590 | *30,310 | 23,150 | *24,760 | 17,990 | *21,980 | 15,810 | (32.4) | |
| -1.5m -4.9ft | kg | *12,800 | *12,800 | *22,130 | 22,020 | *17,010 | 14,190 | *13,420 | 10,370 | *10,720 | 8,100 | *10,000 | 7,660 | 9.40 |
| | lb | *28,220 | *28,220 | *48,790 | 48,550 | *37,500 | 31,280 | *29,590 | 22,860 | *23,630 | 17,860 | *22,050 | 16,890 | (30.8) |
| -3.0m -9.8ft | kg | *21,350 | *21,350 | *19,710 | *19,710 | *15,510 | 14,270 | *12,210 | 10,420 | | *9,880 | 8,680 | 8.62 | |
| | lb | *47,070 | *47,070 | *43,450 | *43,450 | *34,190 | 31,460 | *26,920 | 22,970 | | *21,780 | 19,140 | (28.3) | |
| -4.5m -14.8ft | kg | *19,320 | *19,320 | *15,920 | *15,920 | *12,650 | *12,650 | | | | *9,320 | *9,320 | 7.47 | |
| | lb | *42,590 | *42,590 | *35,100 | *35,100 | *27,890 | *27,890 | | | | *20,550 | *20,550 | (24.5) | |

7.06 m (23' 2") boom, 3.38 m (11' 1") arm equipped with 800 mm (32") triple grouser shoe.

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | | | At max. reach | | | |
|--------------------------|-------------------|---------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|---------------|---------|--------|--------|
| | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | 7.5m (24.6ft) | | 9.0m (29.5ft) | | Capacity | Reach | | |
| | | | | | | | | | | | | | | |
| 9.0m 29.5ft | kg | | | | | | | | | | *9,400 | *9,400 | 7.61 | |
| | lb | | | | | | | | | | *20,720 | *20,720 | (25.0) | |
| 7.5m 24.6ft | kg | | | | | | | | | | *8,930 | *8,930 | 8.71 | |
| | lb | | | | | | | | | | *19,690 | *19,690 | (28.6) | |
| 6.0m 19.7ft | kg | | | | | | | *10,010 | 9,170 | | *8,830 | 8,420 | 9.46 | |
| | lb | | | | | | | *22,070 | 20,220 | | *19,470 | 18,560 | (31.0) | |
| 4.5m 14.8ft | kg | | *18,770 | *18,770 | *14,140 | *14,140 | *11,770 | *11,770 | *10,360 | 8,970 | *8,980 | 7,660 | 9.92 | |
| | lb | | *41,380 | *41,380 | *31,170 | *31,170 | *25,950 | *25,950 | *22,840 | 19,780 | *19,800 | 16,890 | (32.5) | |
| 3.0m 9.8ft | kg | | | | *15,920 | 15,700 | *12,710 | 11,390 | *10,820 | 8,710 | *9,390 | 7,260 | 10.13 | |
| | lb | | | | *35,100 | 34,610 | *28,020 | 25,110 | *23,850 | 19,200 | *20,700 | 16,010 | (33.2) | |
| 1.5m 4.9ft | kg | | | | *17,160 | 14,990 | *13,450 | 10,970 | *11,170 | 8,470 | *9,890 | 7,150 | 10.12 | |
| | lb | | | | *37,830 | 33,050 | *29,650 | 24,180 | *24,630 | 18,670 | *21,800 | 15,760 | (33.2) | |
| 0.0m 0.0ft | kg | | *17,510 | *17,510 | *17,540 | 14,580 | *13,750 | 10,680 | *11,230 | 8,310 | *9,970 | 7,310 | 9.88 | |
| | lb | | *38,600 | *38,600 | *38,670 | 32,140 | *30,310 | 23,550 | *24,760 | 18,320 | *21,980 | 16,120 | (32.4) | |
| -1.5m -4.9ft | kg | *12,800 | *12,800 | *22,130 | *22,130 | *17,010 | 14,440 | *13,420 | 10,560 | *10,720 | 8,250 | *10,000 | 7,810 | 9.40 |
| | lb | *28,220 | *28,220 | *48,790 | *48,790 | *37,500 | 31,830 | *29,590 | 23,280 | *23,630 | 18,190 | *22,050 | 17,220 | (30.8) |
| -3.0m -9.8ft | kg | *21,350 | *21,350 | *19,710 | *19,710 | *15,510 | 14,520 | *12,210 | 10,610 | | *9,880 | 8,840 | 8.62 | |
| | lb | *47,070 | *47,070 | *43,450 | *43,450 | *34,190 | 32,010 | *26,920 | 23,390 | | *21,780 | 19,490 | (28.3) | |
| -4.5m -14.8ft | kg | *19,320 | *19,320 | *15,920 | *15,920 | *12,650 | *12,650 | | | | *9,320 | *9,320 | 7.47 | |
| | lb | *42,590 | *42,590 | *35,100 | *35,100 | *27,890 | *27,890 | | | | *20,550 | *20,550 | (24.5) | |

- Lifting capacity are based on ISO 10567.
- Lifting capacity of the HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- (*) indicates load limited by hydraulic capacity.



Rating over-front Rating over-side or 360 degree

HX520A L MONO BOOM

7.06 m (23' 2") boom, 4.00 m (13' 1") arm equipped with 600 mm (24") triple grouser shoe.

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | | | | | | | At max. reach | | | |
|--------------------------|-------------------|--|--------------|--|---------------|--|---------------|--|---------------|--|---------------|---------|----------------|---------|---------------|---------|---------|--------|
| | 1.5m (4.9ft) | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | 7.5m (24.6ft) | | 9.0m (29.5ft) | | 10.5m (34.4ft) | | Capacity | Reach | | |
| | | | | | | | | | | | | | | | | | | |
| 9.0m 29.5ft | kg | | | | | | | | | | | | | | | *7,310 | *7,310 | 8.33 |
| | lb | | | | | | | | | | | | | | | *16,120 | *16,120 | (27.3) |
| 7.5m 24.6ft | kg | | | | | | | | | | | | | | | *8,630 | *8,630 | 9.35 |
| | lb | | | | | | | | | | | | | | | *19,030 | *19,030 | (30.7) |
| 6.0m 19.7ft | kg | | | | | | | | | | | *10,230 | *10,230 | *9,440 | 9,210 | | | 10.05 |
| | lb | | | | | | | | | | | *22,550 | *22,550 | *20,810 | 20,300 | | | (33.0) |
| 4.5m 14.8ft | kg | | | | | | | | | | | *13,240 | *13,240 | *11,180 | *11,180 | *9,910 | 8,960 | 10.48 |
| | lb | | | | | | | | | | | *29,190 | *29,190 | *24,650 | *24,650 | *21,850 | 19,750 | (34.4) |
| 3.0m 9.8ft | kg | | | | | | | | | | | *20,970 | *20,970 | *15,180 | *15,180 | *12,230 | 11,390 | 10.69 |
| | lb | | | | | | | | | | | *46,230 | *46,230 | *33,470 | *33,470 | *26,960 | 25,110 | (35.1) |
| 1.5m 4.9ft | kg | | | | | | | | | | | *19,680 | *19,680 | *16,710 | 14,970 | *13,130 | 10,920 | 10.67 |
| | lb | | | | | | | | | | | *43,390 | *43,390 | *36,840 | 33,000 | *28,950 | 24,070 | (35.0) |
| 0.0m 0.0ft | kg | | | | | | | | | | | *19,280 | *19,280 | *17,450 | 14,450 | *13,650 | 10,570 | 10.45 |
| | lb | | | | | | | | | | | *42,510 | *42,510 | *38,470 | 31,860 | *30,090 | 23,300 | (34.3) |
| -1.5m -4.9ft | kg | | | | | | | | | | | *12,650 | *12,650 | *23,060 | 21,950 | *17,320 | 14,200 | 9.99 |
| | lb | | | | | | | | | | | *27,890 | *27,890 | *50,840 | 48,390 | *38,180 | 31,310 | (32.8) |
| -3.0m -9.8ft | kg | | | | | | | | | | | *19,040 | *19,040 | *21,120 | *21,120 | *16,250 | 14,180 | 9.27 |
| | lb | | | | | | | | | | | *41,980 | *41,980 | *46,560 | *46,560 | *35,830 | 31,260 | (30.4) |
| -4.5m -14.8ft | kg | | | | | | | | | | | *23,210 | *23,210 | *17,930 | *17,930 | *14,030 | *14,030 | 8.21 |
| | lb | | | | | | | | | | | *51,170 | *51,170 | *39,530 | *39,530 | *30,930 | *30,930 | (26.9) |
| -6.0m -19.7ft | kg | | | | | | | | | | | | | | | *12,760 | *12,760 | 6.65 |
| | lb | | | | | | | | | | | | | | | *28,130 | *28,130 | (21.8) |

9.00 m (29' 6") boom, 6.00 m (19' 8") arm equipped with 600 mm (24") triple grouser shoe.

| Lift-point height (m/ft) | Lift-point radius | | | | | | | | | | | | | | At max. reach | | | | | | |
|--------------------------|-------------------|--|--------------|--|---------------|--|---------------|--|---------------|--|---------------|--|----------------|--|----------------|--|----------------|--|----------|---------|--------|
| | 1.5m (4.9ft) | | 3.0m (9.8ft) | | 4.5m (14.8ft) | | 6.0m (19.7ft) | | 7.5m (24.6ft) | | 9.0m (29.5ft) | | 10.5m (34.4ft) | | 12.0m (39.4ft) | | 13.5m (44.3ft) | | Capacity | Reach | |
| | | | | | | | | | | | | | | | | | | | | | |
| 10.5m 34.4ft | kg | | | | | | | | | | | | | | | | | | *4,050 | *4,050 | 11.58 |
| | lb | | | | | | | | | | | | | | | | | | *8,930 | *8,930 | (38.0) |
| 9.0m 29.5ft | kg | | | | | | | | | | | | | | | | | | *3,950 | *3,950 | 12.52 |
| | lb | | | | | | | | | | | | | | | | | | *8,710 | *8,710 | (41.1) |
| 7.5m 24.6ft | kg | | | | | | | | | | | | | | | | | | *5,950 | *5,950 | 13.22 |
| | lb | | | | | | | | | | | | | | | | | | *13,120 | *13,120 | (43.4) |
| 6.0m 19.7ft | kg | | | | | | | | | | | | | | | | | | *6,290 | *6,290 | 13.71 |
| | lb | | | | | | | | | | | | | | | | | | *13,870 | *13,870 | (45.0) |
| 4.5m 14.8ft | kg | | | | | | | | | | | | | | | | | | *8,870 | *8,870 | 14.03 |
| | lb | | | | | | | | | | | | | | | | | | *19,550 | *19,550 | (46.0) |
| 3.0m 9.8ft | kg | | | | | | | | | | | | | | | | | | *18,150 | *18,150 | 14.19 |
| | lb | | | | | | | | | | | | | | | | | | *40,010 | *40,010 | (46.5) |
| 1.5m 4.9ft | | | | | | | | | | | | | | | | | | | | | |

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS



| | GP | HD | HD | Rock-HD | Rock-HD | Rock-HD |
|-----------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|
| SAE heaped | 1.00 (1.31) | 2.43 (3.18) | 2.61 (3.41) | 2.20 (2.88) | 1.81 (2.37) | 2.70 (3.53) |
| m ³ (yd ³) | 1.38 (1.80) | 3.20 (4.19) | 2.92 (3.82) | 2.43 (3.18) | 2.79 (3.65) | 3.00 (3.92) |
| | 2.20 (2.88) | | | 2.79 (3.65) | | |
| | 2.79 (3.65) | | | 3.20 (4.19) | | |
| | 3.00 (3.92) | | | | | |

| Capacity m ³ (yd ³) | Width mm (in) | Weight kg (lb) | Tooth EtA | Recommendation mm (ft.in) | | | | | | | |
|---|------------------|-------------------|--------------|---------------------------|----------------------|------------------------|----------------------|-----------------------|------------------------|-----------------------|---|
| | | | | 6,550 (21' 6") Boom | | 7,060 (23' 2") Boom | | | 9,000 (29' 6") Boom | | |
| | | | | 2,550 (8' 4") Arm | 2,900 (9' 6") Arm | 2,550 (8' 4") Arm | 2,900 (9' 6") Arm | 3,380 (11' 1") Arm | 4,000 (13' 1") Arm | 6,000 (19' 8") Arm | |
| (G) 1.00 (1.31) | 940 (370") | 1,425 (3,140) | 3 | ● | ● | ● | ● | ● | ● | ● | ● |
| (G) 1.38 (1.80) | 1,130 (445") | 1,640 (3,620) | 4 | ● | ● | ● | ● | ● | ● | ● | ○ |
| (G) 2.20 (2.88) | 1,600 (63.0") | 2,020 (4,450) | 5 | ● | ● | ● | ● | ● | ● | ● | x |
| (G) 2.79 (3.65) | 1,795 (71.0") | 2,295 (5,060) | 5 | ● | ● | ○ | ○ | ■ | ■ | ■ | x |
| (G) 3.00 (3.92) | 1,905 (75.0") | 2,430 (5,360) | 6 | ● | ○ | ○ | ■ | ■ | ▲ | ▲ | x |
| (H) 2.43 (3.18) | 1,745 (68.7") | 2,445 (5,390) | 5 | ● | ● | ● | ● | ○ | ■ | ■ | x |
| (H) 3.20 (4.19) | 2,015 (79.3") | 2,860 (6,310) | 6 | ○ | ○ | ■ | ■ | ▲ | ▲ | ▲ | x |
| (H) 2.61 (3.41) | 1,525 (60.0") | 2,395 (5,280) | 6 | ● | ● | ● | ○ | ○ | ■ | ■ | x |
| (H) 2.92 (3.82) | 1,675 (65.9") | 2,525 (5,570) | 6 | ● | ○ | ○ | ■ | ■ | ▲ | ▲ | x |
| (R) 2.20 (2.88) | 1,600 (63.0") | 2,605 (5,740) | 5 | ● | ● | ● | ● | ● | ○ | ○ | x |
| (R) 2.43 (3.18) | 1,745 (68.7") | 2,730 (6,020) | 5 | ● | ● | ● | ● | ○ | ■ | ■ | x |
| (R) 2.79 (3.65) | 1,795 (70.7") | 2,970 (6,550) | 5 | ● | ○ | ○ | ■ | ■ | ▲ | ▲ | x |
| (R) 3.20 (4.19) | 2,015 (79.3") | 3,235 (7,130) | 6 | ○ | ■ | ■ | ▲ | ▲ | ▲ | ▲ | x |
| (R) 2.70 (3.53) | 1,760 (69.3") | 2,755 (6,070) | 5 | ● | ● | ○ | ○ | ■ | ■ | ■ | x |
| (R) 3.00 (3.92) | 1,955 (77.0") | 3,040 (6,700) | 6 | ○ | ○ | ■ | ■ | ■ | ▲ | ▲ | x |
| (R) 1.81 (2.37) | 1,325 (52.2") | 2,685 (5,920) | 4 | ● | ● | ● | ● | ● | ● | ● | x |

(G) : General Purpose
 (H) : Heavy duty
 (R) : Rock-HD

● : Applicable for materials with density of 2,100 kg/m³ (3,500 lb/yd³) or less
 ○ : Applicable for materials with density of 1,800 kg/m³ (3,000 lb/yd³) or less
 ■ : Applicable for materials with density of 1,500 kg/m³ (2,500 lb/yd³) or less
 ▲ : Applicable for materials with density of 1,200 kg/m³ (2,000 lb/yd³) or less
 x : Not Recommended

ATTACHMENT

Booms and arms are of all-welded, low-stress, full-box section design. 6,550 mm (21' 6"), 7,060 mm (23' 2"), 9,000 mm (29' 6") boom and 2,550 mm (8' 4"), 2,900 mm (9' 6"), 3,380 mm (11' 1"), 4,000 mm (13' 1"), 6,000 mm (19' 8") arms are available. Hyundai Bucket are all-welded, high-strength steel implements.

DIGGING FORCE

| Boom | Length mm (ft.in) | 6,550 (21' 6") | | | 7,060 (23' 2") | | | 9,000 (29' 6") | Remark | |
|----------------------|----------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|
| | | Weight kg (lb) | 4,250 (9,370) | | 4,370 (9,630) | | | 5,130 (11,310) | | |
| Arm | Length mm (ft.in) | 2,550 (8' 4") | 2,900 (9' 6") | 3,380 (11' 1") | 2,550 (8' 4") | 2,900 (9' 6") | 3,380 (11' 1") | 4,000 (13' 1") | 6,000 (19' 8") | |
| | | Weight kg (lb) | 2,450 (5,400) | 2,650 (5,840) | 2,670 (5,890) | 2,450 (5,400) | 2,650 (5,840) | 2,670 (5,890) | 2,730 (6,020) | 3,260 (7,190) |
| Bucket digging force | SAE | kN | 240.3 [262.1] | 240.3 [262.1] | 240.3 [262.1] | 240.3 [262.1] | 240.3 [262.1] | 240.3 [262.1] | 212.8 | |
| | | kgf | 24,500 [26,730] | 24,500 [26,730] | 24,500 [26,730] | 24,500 [26,730] | 24,500 [26,730] | 24,500 [26,730] | 24,500 [26,730] | 21,700 |
| | | lbf | 54,010 [58,930] | 54,010 [58,930] | 54,010 [58,930] | 54,010 [58,930] | 54,010 [58,930] | 54,010 [58,930] | 54,010 [58,930] | 47,840 |
| | ISO | kN | 279.5 [304.9] | 279.5 [304.9] | 279.5 [304.9] | 279.5 [304.9] | 279.5 [304.9] | 279.5 [304.9] | 279.5 [304.9] | 247.1 |
| | | kgf | 28,500 [31,090] | 28,500 [31,090] | 28,500 [31,090] | 28,500 [31,090] | 28,500 [31,090] | 28,500 [31,090] | 28,500 [31,090] | 25,200 |
| | | lbf | 62,830 [68,540] | 62,830 [68,540] | 62,830 [68,540] | 62,830 [68,540] | 62,830 [68,540] | 62,830 [68,540] | 62,830 [68,540] | 55,560 |
| Arm crowd force | SAE | kN | 235.4 [256.7] | 218.7 [238.6] | 198.1 [216.1] | 235.4 [256.7] | 218.7 [238.6] | 198.1 [216.1] | 173.6 [189.4] | 127.5 |
| | | kgf | 24,000 [26,180] | 22,300 [24,330] | 20,200 [22,040] | 24,000 [26,180] | 22,300 [24,330] | 20,200 [22,040] | 17,700 [19,310] | 13,000 |
| | | lbf | 52,910 [57,720] | 49,160 [53,640] | 44,530 [48,590] | 52,910 [57,720] | 49,160 [53,640] | 44,530 [48,590] | 39,020 [42,570] | 28,660 |
| | ISO | kN | 246.2 [268.5] | 227.5 [248.2] | 205.0 [223.6] | 246.2 [268.5] | 227.5 [248.2] | 205.0 [223.6] | 179.5 [195.7] | 130.4 |
| | | kgf | 25,100 [27,380] | 23,200 [25,310] | 20,900 [22,800] | 25,100 [27,380] | 23,200 [25,310] | 20,900 [22,800] | 18,300 [19,960] | 13,300 |
| | | lbf | 55,340 [60,360] | 51,150 [55,800] | 46,080 [50,270] | 55,340 [60,360] | 51,150 [55,800] | 46,080 [50,270] | 40,340 [44,000] | 29,320 |

Note : Boom weight includes arm cylinder, piping, and pin Arm weight includes bucket cylinder, linkage, and pin

STANDARD / OPTION

ENGINE

| | | |
|-------------|---|-----|
| Cummins X12 | ● | OPT |
|-------------|---|-----|

HYDRAULIC SYSTEM

| | | |
|--|---|---|
| Intelligent Power Control (IPC) | | |
| 3-power mode, 2-work mode, user mode | ● | |
| Variable Power Control | ● | |
| Pump Flow Control | ● | |
| Attachment Mode Flow Control | | ● |
| Engine Auto Idle | ● | |
| Engine Auto Shutdown Control | ● | |
| Hyundai Bio Hydraulic Oil (HBHO) | | ● |

CAB & INTERIOR

ISO Standard cabin

| | | |
|--|---|---|
| Rise-up type windshield wiper | ● | |
| Radio / USB player | ● | |
| Handsfree mobile phone system with USB | ● | |
| 12 volt power outlet (24V DC to 12V DC converter) | ● | |
| Electric horn | ● | |
| All-weather steel cab with 360° visibility | ● | |
| Safety glass - Tempered glass | ● | |
| Safety glass - Tempered glass with front laminated glass | | ● |
| Sliding fold-in front window | ● | |
| Sliding side window(LH) | ● | |
| Lockable door | ● | |
| Hot & cool box | ● | |
| Storage compartment & Ashtray | ● | |
| Transparent cabin roof-cover | ● | |
| Sun visor | ● | |
| Door and cab locks, one key | ● | |
| Mechanical suspension seat with heater | ● | |
| Pilot-operated slidable joystick | ● | |
| Console box height adjust system | ● | |

Automatic climate control

| | | |
|---|---|--|
| Air conditioner & heater | ● | |
| Defroster | ● | |
| Starting Aid (air grid heater) for cold weather | ● | |

Centralized monitoring

| | | |
|-----------------------------------|---|---|
| 8" LCD display | ● | |
| Engine speed or Trip meter/Accel. | ● | |
| Engine coolant temperature gauge | ● | |
| Max power | ● | |
| Low speed/High speed | ● | |
| Auto idle | ● | |
| Overload warning with alarm | | ● |

| | | |
|-------------------------------|---|---|
| Check Engine | ● | |
| Air cleaner clogging | ● | |
| Indicators | ● | |
| ECO Gauges | ● | |
| Fuel level gauge | ● | |
| Hyd. oil temperature gauge | ● | |
| Fuel warmer | ● | |
| Warnings | ● | |
| Communication error | ● | |
| Low battery | ● | |
| Clock | ● | |
| Cabin lights | | ● |
| Cabin front window rain guard | | ● |
| Cabin roof-steel cover | | ● |

Seat

| | | |
|--|--|---|
| Adjustable air suspension seat with heater | | ● |
|--|--|---|

Cabin FOPS (ISO 10262) Level 2

| | | |
|--|--|---|
| FOPS (Falling Object Protective Structure) - ISO 10262 Level 2 | | ● |
|--|--|---|

SAFETY

| | | |
|--|---|-----|
| Battery master switch | ● | OPT |
| Rearview camera | | ● |
| AAVM (Advanced Around View Monitoring) | | ● |
| Six front working lights (4 boom mounted, 2 front frame mounted) | ● | |
| Travel alarm | ● | |
| Rear work lamp | ● | |
| Beacon lamp | | ● |
| Automatic swing brake | ● | |
| Boom holding system | ● | |
| Arm holding system | ● | |
| Safety lock valve for boom cylinder with overload warning device | | ● |
| Safety lock valve for arm cylinder | | ● |
| Swing Lock System | | ● |
| Three outside rearview mirror | ● | |

ATTACHMENT

| | | |
|----------------|---|---|
| Booms | | |
| 6.55m, 21' 6" | | ● |
| 7.06m, 23' 2" | ● | |
| 9.00m, 29' 6" | | ● |
| Arms | | |
| 2.55 m, 8' 4" | | ● |
| 2.90 m, 9' 6" | | ● |
| 3.38 m, 11' 1" | ● | |
| 4.00 m, 13' 1" | | ● |
| 6.00 m, 19' 8" | | ● |

OTHERS

| | | |
|--|---|---|
| Removable Clean-Out Dust Net for Cooler | ● | |
| Removable Washer Tank | ● | |
| Fuel Pre-Filter | ● | |
| Fuel Warmer | ● | |
| Self-Diagnostics System | ● | |
| Hi MATE (Remote Management System) | | ● |
| Batteries (2 × 12 V × 200 AH) | ● | |
| Fuel Filler Pump (50 lpm) | | ● |
| Single-Acting Piping Kit (Breaker, etc.) | | ● |
| Double-Acting Piping Kit (Clamshell, etc.) | | ● |
| Rotating Piping Kit | | ● |
| Quick Coupler Piping | | ● |
| Quick Coupler | | ● |
| Boom Floating Control | | ● |
| One Pedal Straight Travel System | | ● |
| Fine Swing Control | | ● |
| Accumulator for Lowering Work Equipment | ● | |
| Pattern Change Valve (2 Patterns) | | ● |
| Semi-Auto Grease(Pump&Gun) | | ● |
| Removal CWT | | ● |
| Air Cleaner - Wet | | ● |
| Tool Kit | | ● |

UNDERCARRIAGE

| | | |
|--------------------------------------|---|---|
| Lower Frame Under Cover (Additional) | | ● |
| Lower Frame Under Cover (Normal) | ● | |
| Track shoes | | |
| Triple Grouser Shoe (600 mm, 24") | ● | |
| Triple Grouser Shoe (700 mm, 28") | | ● |
| Triple Grouser Shoe (800 mm, 32") | | ● |
| Triple Grouser Shoe (900 mm, 36") | | ● |
| Double Grouser Shoe (600 mm, 24") | | ● |
| Double Grouser Shoe (700 mm, 28") | | ● |
| Track Rail Guard | ● | |
| Full Track Rail Guard | | ● |

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
 * The photos may include attachments and optional equipment that are not available in your area.
 * Materials and specifications are subject to change without advance notice.
 * All imperial measurements rounded off to the nearest pound or inch.

