www.**hyundai-ce**.com

HYUNDAI CONSTRUCTION EQUIPMENT

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PLEASE CONTACT

2019. NOV.

HYUNDAI
CONSTRUCTION EQUIPMENT

MOVING YOU FURTHER

Gross Power
173 HP(129 kW) at 2,200rpm

Net Power
170 HP(127 kW) at 2,200rpm

Bucket Capacity
0.80 ~ 1.34m³

Operating Weight
22,280kg / 49,120lb

HX220AL

With EU Stage V Engine installed

Photo may include optional equipment.

WHAT'S NEWEST AND BEST

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

- STAGE V Engine NEW
- Eco Report NEW
- EPFC System NEW
- Fuel Rate Information
- Eco Gauge
- Automatic Englne Shut Down

ULTIMATE DURABILITY

- Side Protector Option
- ROPS / FOG Cabin
- Reinforced Durability of Upper and Lower Structure and Attachments
- Durable Cooling Module

EASY CONTROL AND COMFORTABLE OPERATION

- Key On Init Work Mode NEW
- Visibility and Handle Improvement NEW
- Wi-Fi Direct with Smart Phone(Miracast) Option
- One Pedal Travel Straight Option
- Proportional Auxiliary Hydraulic System Option
- Intelligent & Wide Cluster
- Jog Dial Module
- OME(Owner Menu Editing)
- Combination Speed

THE ULTIMATE SAFE ENVIRONMENT

- Auto Safety Lock NEW
- AAVM Option
- Seatbelt Warning Alarm
- Cabin Suspension Mount

SERVICEABILITY AND TELEMATICS

- ECD(Engine Connected Diagnostics) NEW
- Hi-MATE Option
- Long Lasting Fuel Filter improved 200%
- Urea Tank Cover(Upgrade)
- Mobile Fleet App.
- Connected Diagnostics

* Photo may include optional equipment.

THE BEST PRODUCTIVITY AND FUEL EFFICIENCY

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

MORE FUEL-EFFCIENCY
(Compared to HX220L at P mode)

Truck Loading **24%**

Faster Leveling **29%**

* Photo may include optional equipment.

ENVIRONMENTALLY FRIENDLY FUEL EFFICIENCY

Fuel Rate Information

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

Eco Report NEW

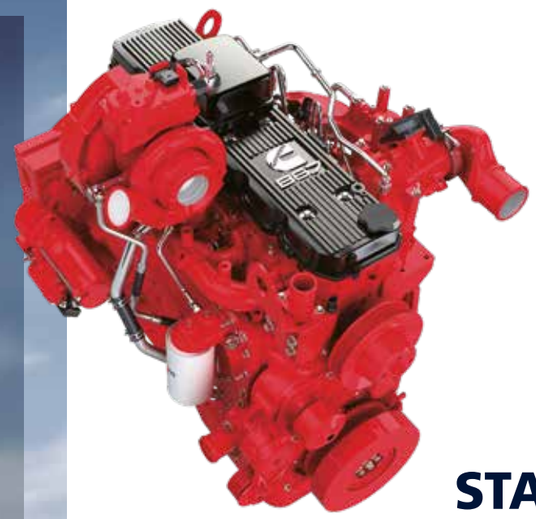
It reports the excavator's inefficient operation status and help improving operator's working habit.

Eco Gauge

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

Automatic Engine Shut Down

Adjustable 'Automatic engine shut down Shutdown' significantly reduces idle time. overall operating hours and fuel consumption.



STAGE V

EU STAGE V CERTIFIED ENGINE

Cummins B6.7 engine is satisfying the most strict environmental emission regulation in the world. (Reduction in PM 60%)

STAGE V Engine NEW

Now in its fourth decade of continuousimprovement, the B6.7 for 2019 features an EGR-free design that delivers 5 percent more power and 31 percent more peak torque than the current model. Increased fuel economy and longer maintenance intervals contribute to a reduced cost of operation.

EPFC System(Electric Positive Flow Control) NEW

The advanced hydraulic system and controls based on electric positive flow control system achieve the lowest fuel consumption and improved fine control. Pump power is precisely variable controlled through recognition of lever manipulation amount and specific complex operations.

ULTIMATE DURABILITY

The true value of HX A Series lies in its durability and high productivity.
The robust upper and lower frame structure canendure 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 A Series.

* Photo may include optional equipment

"We make the best performance in rough working conditions without any unsureness with trustworthy HX220AL."

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

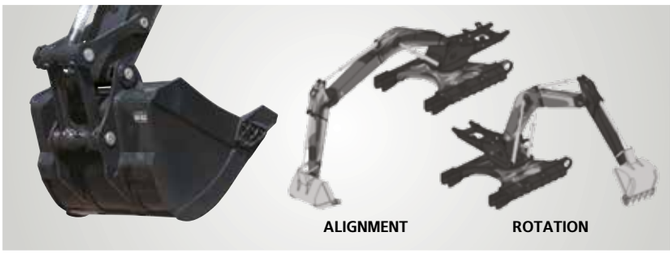
ROPS / FOG Cabin

The cabin structure of Hyundai HX A Series is using integrally welded low-stress, high strength steel to meet ROPS and FOG certification.

- **ROPS** : Roll-Over Protective Structures ISO12117-2
- **FOG** : Falling Object Guard, ISO10262 Level2

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.

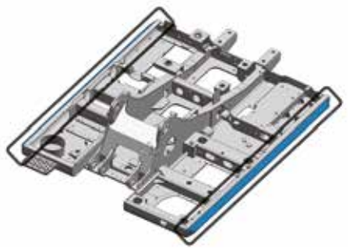


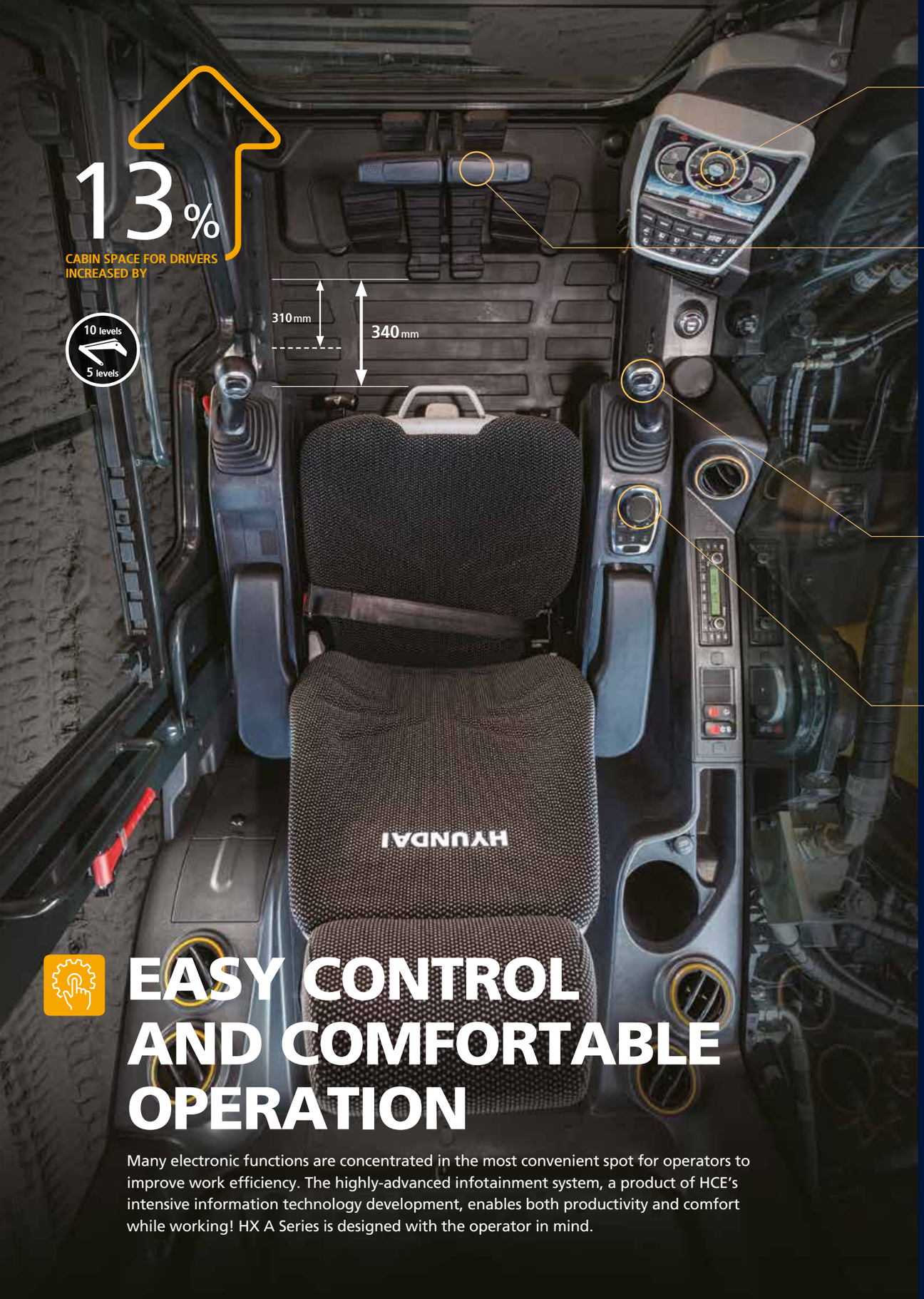
Durable Cooling Module

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





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 smartphone 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.

Key On Init Work Mode NEW

Operator can maintain previously set about attachment mode when starting.

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.

Wi-Fi Direct with Smart Phone(Miracast) Option

The smart terminal-miracast system uses the Wi-Fi from the operator's smart phone to easily and conveniently enable features of the smart phone, such as navigating, surfing the web, watching videos, and listening to music, on the 8″ screen. (Currently only available for Android phones.)

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.

Combination Speed

Operator can set load sensitivity level, boom priority level against arm and swing. Load sensitivity is controlled by 5 levels of initial flow rate for boom-up and arm-i operation according to attachment weight. Boom priority against arm and swing can be set 10 levels of boon priority against arm and swing.

HX220AL 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.

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 people or dangerous objects are detected within the range of operation(recognition distance : 5 m).

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.

Seatbelt Warning Alarm

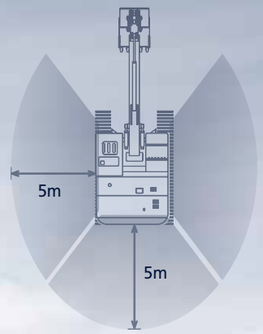
If the seatbelt is not buckled when the ignition key is turned, an alarm is triggered in intervals along with a continuous visual alert. This emphasises our priority for operator safety.

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.



OBJECT DETECTION

*Photo may include optional equipment.

SERVICEABILITY AND TELEMATICS

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

*Photo may include optional equipment.

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 inefficient. 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

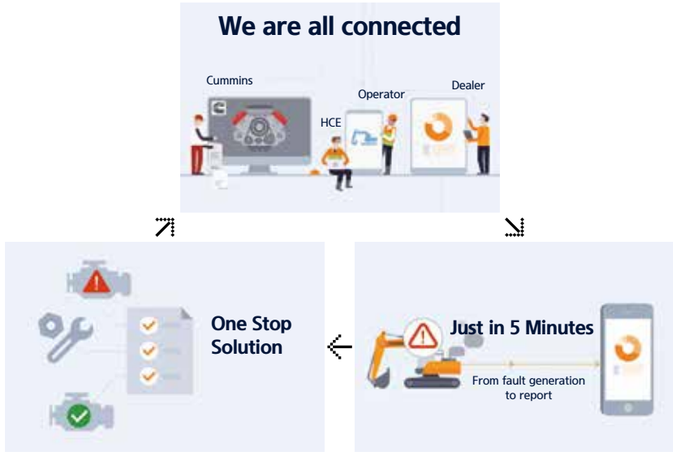
There is nothing much to do to monitor your machines. Just log on to the Hi-MATE website or mobile application. Hi-MATE allows you to watch your machines whenever and wherever you are.

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

It supports service technician with remote diagnostics report and ensure it arrive on site with proper tools after preparing in advance.



Long Lasting Fuel Filter Improved 200%

The length of product life period is improved from 500 hours to 1,000hours.

Urea Tank Cover(Upgrade)

Urea Tank Cover with full open type help operator fill urea into the tank directly and more conveniently.

Mobile Fleet App.

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.
The new Mobile App sorts equipment in order of eco-index, utilization-index and fault code level automatically so that urgent equipment pops up automatically.

Hi-MATE Fleet App

HCE-DT AIR App

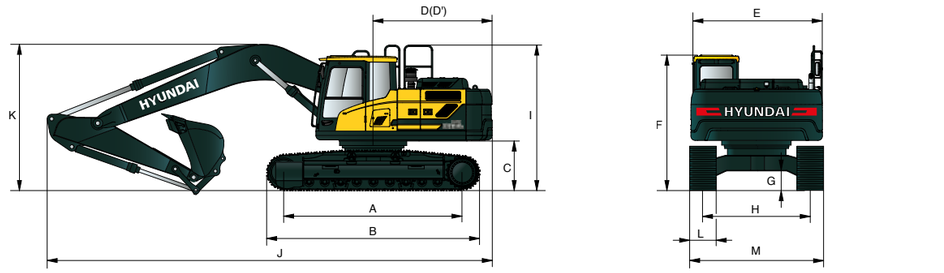
Connected Diagnostics

HCE-DT Air connect you and your equipment wirelessly via smartphone and laptop right on site. You can diagnose root causes and troubleshoot for fault codes through the connection. Engine connected diagnostics is a kind of cooperated remote diagnostics service between Cummins cloud and Hi-MATE cloud. It enables you get engine diagnostics report by cloud based fault code analysis in real-time and prepare parts, tools necessary in advance. It will help increase first visit fix rates.

DIMENSIONS & WORKING RANGE

HX220AL DIMENSIONS

5.68 m (18' 8") BOOM and 2.0 m (6' 7"), 2.4 m (7' 10"), 2.92 m (9' 7"), 3.9 m (12' 10") ARM



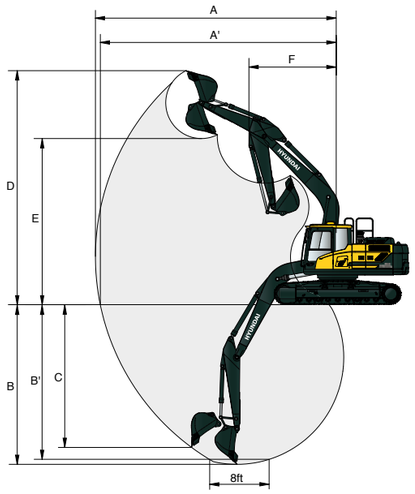
Unit : mm (ft·in)

A	Tumbler Distance	3,650 (12' 0")
B	Overall Length of Crawler	4,404 (14' 4")
C	Ground Clearance of Counterweight	1,060 (3' 6")
D	Tail Swing Radius	2,890 (9' 5")
D'	Rear-End Length	2,770 (9' 1")
E	Overall Width of Upperstructure	2,740 (9' 0")
F	Overall Height of Cab	3,000 (9' 8")
G	Min. Ground Clearance	470 (1' 7")
H	Track Gauge	2,390 (7' 10")
I	Overall Height of Guardrail	3,210 (10' 5")

	Boom Length	5,680 (18' 8")			
	Arm Length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
J	Overall Length	9,650 (31' 8")	9,570 (31' 5")	9,530 (31' 3")	9,520 (31' 3")
K	Overall Height of Boom	3,200 (10' 6")	3,110 (10' 2")	3,030 (9' 11")	3,480 (11' 5")
L	Track Shoe Width	600 (24")	700 (28")	800 (32")	900 xw(36")
M	Overall Width	2,990 (9' 10")	3,090 (10' 2")	3,190 (10' 6")	3,290 (10' 10")

* This figure includes the size of grousers.

HX220AL WORKING RANGE

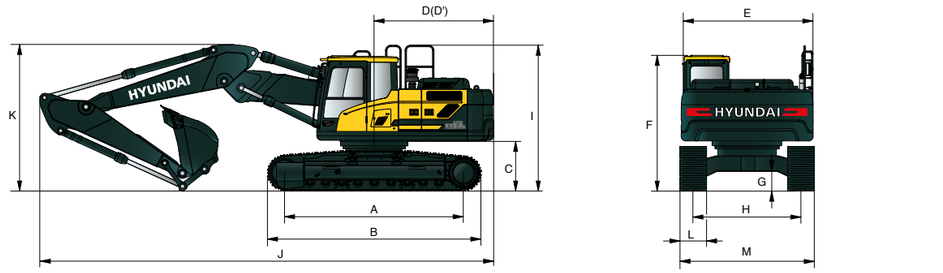


Unit : mm (ft·in)

	Boom Length	5,680 (18' 8")			
	Arm Length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
A	Max. Digging Reach	9,140 (30' 0")	9,500 (31' 2")	9,980 (32' 9")	10,910 (35' 10")
A'	Max. Digging Reach on Ground	8,960 (29' 5")	9,330 (30' 7")	9,820 (32' 3")	10,770 (35' 4")
B	Max. Digging Depth	5,820 (19' 1")	6,220 (20' 5")	6,730 (22' 1")	7,720 (25' 4")
B'	Max. Digging Depth (8' Level)	5,580 (18' 4")	6,010 (19' 9")	6,560 (21' 6")	7,580 (24' 10")
C	Max. Vertical Wall Digging Depth	5,280 (17' 4")	5,720 (18' 9")	6,280 (20' 7")	7,240 (23' 9")
D	Max. Digging Height	9,140 (30' 0")	9,340 (30' 8")	9,600 (31' 6")	10,110 (33' 2")
E	Max. Dumping Height	6,330 (20' 9")	6,520 (21' 5")	6,780 (22' 3")	7,290 (23' 11")
F	Min. Swing Radius	3,750 (12' 4")	3,740 (12' 3")	3,670 (12' 0")	3,700 (12' 2")

HX220AL 2-PIECE BOOM DIMENSIONS

5.65 m (18' 6") 2-Piece BOOM and 2.0 m (6' 7"), 2.4 m (7' 10"), 2.92 m (9' 7") ARM



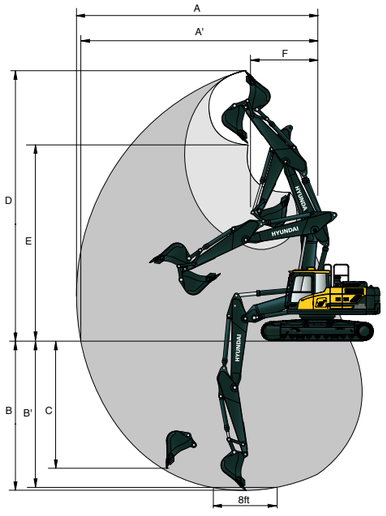
Unit : mm (ft·in)

A	Tumbler Distance	3,650 (12' 0")
B	Overall Length of Crawler	4,404 (14' 4")
C	Ground Clearance of Counterweight	1,060 (3' 6")
D	Tail Swing Radius	2,890 (9' 5")
D'	Rear-End Length	2,770 (9' 1")
E	Overall Width of Upperstructure	2,740 (9' 0")
F	Overall Height of Cab	3,000 (9' 8")
G	Min. Ground Clearance	470 (1' 7")
H	Track Gauge	2,390 (7' 10")
I	Overall Height of Guardrail	3,210 (10' 5")

	Boom Length	5,650 2-Piece (18' 5")			
	Arm Length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	
J	Overall Length	9,650 (31' 8")	9,570 (31' 5")	9,530 (31' 3")	
K	Overall Height of Boom	3,200 (10' 6")	3,110 (10' 2")	3,030 (9' 11")	
L	Track Shoe Width	600 (24")	700 (28")	800 (32")	900 (36")
M	Overall Width	2,990 (9' 10")	3,090 (10' 2")	3,190 (10' 6")	3,290 (10' 10")

* This figure includes the size of grousers.

HX220AL 2-PIECE BOOM WORKING RANGE



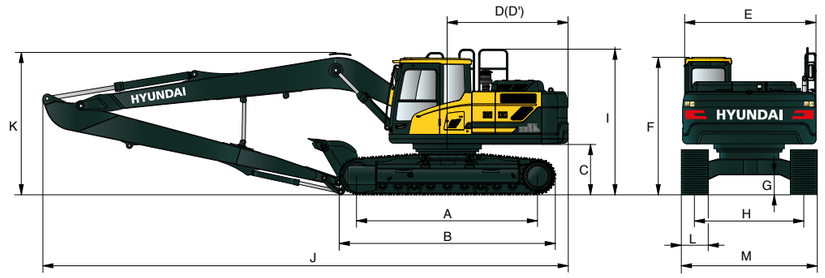
Unit : mm (ft·in)

	Boom Length	5,650 2-Piece (18' 5")		
	Arm Length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")
A	Max. Digging Reach	9,120 (29' 11")	9,530 (31' 3")	10,020 (32' 10")
A'	Max. Digging Reach on Ground	8,950 (29' 4")	9,360 (30' 8")	9,860 (32' 4")
B	Max. Digging Depth	5,480 (18' 0")	5,880 (19' 3")	6,400 (21' 0")
B'	Max. Digging Depth (8' Level)	5,360 (17' 7")	5,770 (18' 11")	6,290 (20' 8")
C	Max. Vertical Wall Digging Depth	4,540 (14' 11")	5,020 (16' 6")	5,560 (18' 3")
D	Max. Digging Height	10,310 (33' 10")	10,670 (35' 0")	11,090 (36' 5")
E	Max. Dumping Height	7,390 (24' 3")	7,750 (25' 5")	8,160 (26' 9")
F	Min. Swing Radius	2,870 (9' 5")	2,660 (8' 9")	2,530 (8' 4")

DIMENSIONS & WORKING RANGE

HX220AL LONG REACH DIMENSIONS

8.2 m (26' 11") BOOM and 6.3 m (20' 8") ARM



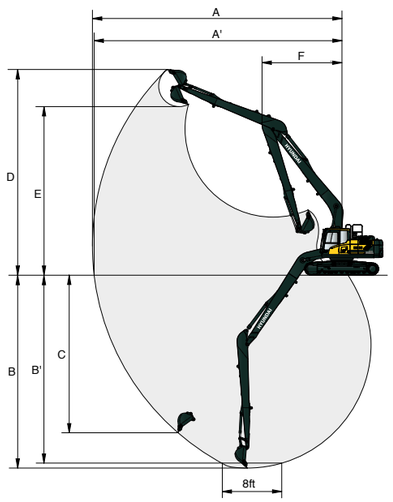
Unit : mm (ft·in)

A	Tumbler Distance	3,650 (12' 0")
B	Overall Length of Crawler	4,404 (14' 4")
C	Ground Clearance of Counterweight	1,060 (3' 6")
D	Tail Swing Radius	2,890 (9' 5")
D'	Rear-End Length	2,770 (9' 1")
E	Overall Width of Upperstructure	2,740 (9' 0")
F	Overall Height of Cab	3,000 (9' 8")
G	Min. Ground Clearance	470 (1' 7")
H	Track Gauge	2,390 (7' 10")
I	Overall Height of Guardrail	3,210 (10' 5")

	Boom Length	8,200 (26' 11")
	Arm Length	6,300 (20' 8")
J	Overall Length	12,030 (39' 6")
K	Overall Height Of Boom	3,280 (10' 9")
L	Track Shoe Width	800 (32")
M	Overall Width	3,190 (10' 6")

* This figure includes the size of grousers.

HX220AL LONG REACH WORKING RANGE

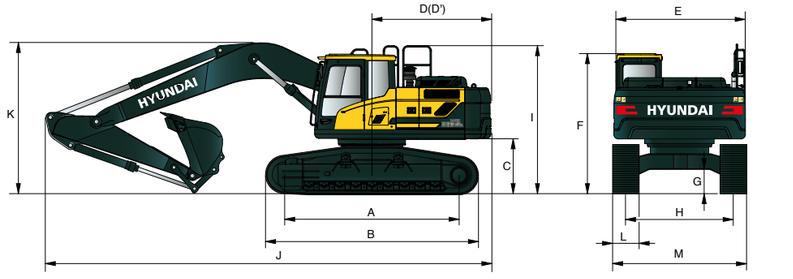


Unit : mm (ft·in)

	Boom Length	8,200 (26' 11")
	Arm Length	6,300 (20' 8")
A	Max. Digging Reach	15,220 (50' 0")
A'	Max. Digging Reach On Ground	15,120 (49' 7")
B	Max. Digging Depth	11,760 (38' 7")
B'	Max. Digging Depth (8' Level)	11,650 (38' 3")
C	Max. Vertical Wall Digging Depth	9,610 (31' 6")
D	Max. Digging Height	12,550 (41' 2")
E	Max. Dumping Height	10,280 (33' 8")
F	Min. Swing Radius	4,870 (16' 0")

HX220AL HIGH WALKER DIMENSIONS

5.68 m (18' 8") BOOM and 2.0 m (6' 7"), 2.4 m (7' 10"), 2.92 m (9' 7"), 3.9 m (12' 10") ARM



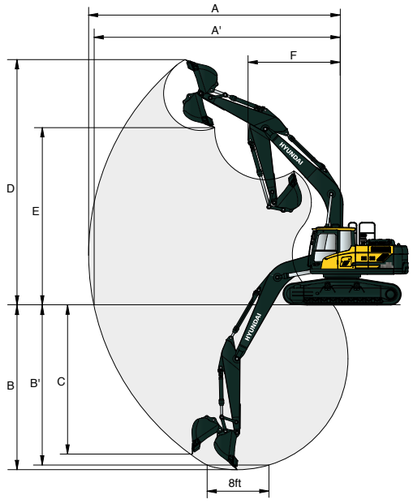
Unit : mm (ft·in)

A	Tumbler Distance	3,650 (12' 0")
B	Overall Length of Crawler	4,404 (14' 4")
C	Ground Clearance of Counterweight	1,260 (4' 1")
D	Tail Swing Radius	2,890 (9' 5")
D'	Rear-End Length	2,770 (9' 1")
E	Overall Width of Upperstructure	2,740 (9' 0")
F	Overall Height of Cab	3,200 (10'5")
G	Min. Ground Clearance	660 (2' 2")
H	Track Gauge	2,795 (9' 2")
I	Overall Height of Guardrail	3,410 (11' 2")

* This figure includes the size of grousers.

	Boom Length	5,680 (18' 8")				
	Arm Length	2,000 (6' 7")	2,400 (7' 07)	2,920 (9' 7")	3,900 (12' 10")	
J	Overall Length	9,650 (31' 8")	9,550 (31' 4")	9,470 (31' 1")	9,560 (31' 4")	
K	Overall Height of Boom	3,290 (10' 10")	3,170 (10' 5")	3,060 (10' 0")	3,450 (11' 4")	
L	Track Shoe Type	Triple grouser				Double grouser
	Track Shoe Width	600 (24")	700 (28")	800 (32")	900 (36")	700 (28")
M	Overall Width	3,395 (11' 2")	3,495 (11' 6")	3,595 (11' 10")	3,695 (12' 2")	3,495 (11' 6")

HX220AL HIGH WALKER WORKING RANGE

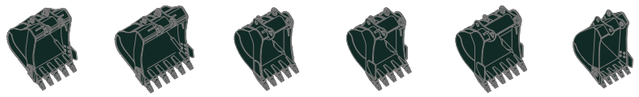


Unit : mm (ft·in)

	Boom Length	5,680 (18' 8")			
	Arm Length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
A	Max. Digging Reach	9,140 (30' 0")	9,500 (31' 2")	9,980 (32' 9")	10,910 (35' 10")
A'	Max. Digging Reach on Ground	8,920 (29' 3")	9,290 (30' 6")	9,820 (32' 3")	10,730 (35' 2")
B	Max. Digging Depth	5,630 (18' 6")	6,010 (19' 9")	6,550 (21' 6")	7,530 (24' 8")
B'	Max. Digging Depth (8' Level)	5,390 (17' 8")	5,820 (19' 1")	6,380 (20' 11")	7,390 (24' 3")
C	Max. Vertical Wall Digging Depth	5,090 (16' 8")	5,630 (18' 6")	6,100 (20' 0")	7,050 (23' 1")
D	Max. Digging Height	9,330 (30' 7")	9,530 (31' 3")	9,780 (32' 1")	10,300 (33' 9")
E	Max. Dumping Height	6,520 (21' 5")	6,710 (22' 0")	6,960 (22' 10")	7,480 (24' 6")
F	Min. Swing Radius	3,750 (12' 4")	3,740 (12' 3")	3,670 (12' 0")	3,700 (12' 2")

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS



SAE heaped	0.80 (1.05)	1.34 (1.75)	◈ 0.90 (1.18)	◆ 0.87 (1.14)	◆ 1.20 (1.57)	★ 0.52 (0.68)
m³ (yd³)	0.92 (1.20)		◈ 1.05 (1.37)			
	1.10 (1.44)					
	1.20 (1.57)					

Capacity m³ (yd³)		Width mm (in)	Weight kg (lb)	Tooth (EA)	Recommendation mm (ft.in)							
					5,680 (18' 8") Boom				8,200 (26' 11") Boom	5,650 (18' 6") Boom		
SAE Heaped	CECE Heaped	Without Side Cutters			2,000 (6' 7") Arm	2,400 (7' 10") Arm	2,920 (9' 7") Arm	3,900 (12' 10") Arm	6,300 (20' 8") Arm	2,000 (6' 7") Arm	2,400 (7' 10") Arm	2,920 (9' 7") Arm
0.80 (1.05)	0.70 (0.92)	1,070 (42.1)	770 (1,700)	5	●	●	●	◐	-	●	●	●
0.92 (1.20)	0.80 (1.05)	1,190 (46.9)	820 (1,810)	5	●	●	●	■	-	●	●	●
1.10 (1.44)	0.96 (1.26)	1,375 (54.1)	890 (1,960)	5	●	●	◐	▲	-	●	◐	■
1.20 (1.57)	1.05 (1.37)	1,390 (54.7)	920 (2,030)	5	●	◐	■	▲	-	◐	◐	■
1.34 (1.75)	1.17 (1.53)	1,525 (60.0)	990 (2,180)	6	◐	■	▲	x	-	◐	■	▲
◈0.90 (1.18)	0.79 (1.03)	1,210 (47.6)	880 (1,940)	5	●	●	●	■	-	●	●	●
◈1.05 (1.37)	0.92 (1.20)	1,355 (53.3)	940 (2,070)	5	●	●	◐	▲	-	●	●	◐
◆0.87 (1.14)	0.77 (1.01)	1,195 (47.0)	940 (2,070)	5	●	●	●	-	-	●	●	●
◆1.20 (1.57)	1.05 (1.37)	1,520 (59.8)	1,120 (2,470)	6	◐	◐	■	-	-	◐	■	■
★0.52 (0.68)	0.45 (0.59)	945 (37.2)	460 (1,010)	5	-	-	-	-	◐	-	-	-

◈ Heavy duty bucket
◆ Rock-Heavy duty bucket
★ Long reach bucket

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design.
5.68 m, 8.2 m Booms and 2.0 m, 2.4 m, 2.92 m, 3.9 m & 6.3 m Arms are available.

DIGGING FORCE

Boom	Length	mm (ft.in)	5,680 (18' 8")				5,650 (18' 6") 2-Piece			8,200 (26' 11")	Remark
	Weight	kg (lb)	1,950 (4,300)				2,600 (5,730)			2,350 (5,180)	
Arm	Length	mm (ft.in)	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	6,300 (20' 8")	
	Weight	kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	1,295 (2,850)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	1,330 (2,930)	
Bucket Digging Force	SAE	kN	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	72.6	
		kgf	13,600 [14,770]	13,600 [14,770]	13,600 [14,770]	13,600 [14,770]	13,600 [14,770]	13,600 [14,770]	13,600 [14,770]	7,400	
		lbf	29,980 [32,550]	29,980 [32,550]	29,980 [32,550]	29,980 [32,550]	29,980 [32,550]	29,980 [32,550]	29,980 [32,550]	16,310	
	ISO	kN	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	83.4	
		kgf	15,500 [16,830]	15,500 [16,830]	15,500 [16,830]	15,500 [16,830]	15,500 [16,830]	15,500 [16,830]	15,500 [16,830]	8,500	
		lbf	34,170 [37,100]	34,170 [37,100]	34,170 [37,100]	34,170 [37,100]	34,170 [37,100]	34,170 [37,100]	34,170 [37,100]	18,740	
Arm Crowd Force	SAE	kN	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	84.3 [91.6]	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	49.0	[ ]: Power Boost
		kgf	14,700 [15,960]	12,200 [13,250]	10,400 [11,290]	8,600 [9,340]	14,700 [15,960]	12,200 [13,250]	10,400 [11,290]	5,000	
		lbf	32,410 [35,190]	26,900 [29,210]	22,930 [24,900]	18,960 [20,590]	32,410 [35,190]	26,900 [29,210]	22,930 [24,900]	11,020	
	ISO	kN	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	87.3 [94.8]	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	50.0	
		kgf	15,400 [16,720]	12,800 [13,900]	10,900 [11,830]	8,900 [9,660]	15,400 [16,720]	12,800 [13,900]	10,900 [11,830]	5,100	
		lbf	33,950 [36,860]	28,220 [30,640]	24,030 [26,090]	19,620 [21,300]	33,950 [36,860]	28,220 [30,640]	24,030 [26,090]	11,240	

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

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX220AL

5.68 m (18' 8") Mono boom, 2.00 m (6' 7") arm equipped with 0.92 m³ (SAE heaped) bucket, 600 mm (24") triple grouser shoe.

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m	kg									*5,720	*5,720	5.00
(24.6 ft)	lb									*12,610	*12,610	(16.4)
6.0 m	kg					*5,460	5,440			*5,530	4,940	6.35
(19.7 ft)	lb					*12,040	11,990			*12,190	10,890	(20.8)
4.5 m	kg			*6,900	*6,900	*5,810	5,310			*5,570	4,040	7.14
(14.8 ft)	lb			*15,210	*15,210	*12,810	11,710			*12,280	8,910	(23.4)
3.0 m	kg			*8,690	7,640	*6,540	5,090	5,640	3,670	5,580	3,630	7.55
(9.8 ft)	lb			*19,160	16,840	*14,420	11,220	12,430	8,090	12,300	8,000	(24.8)
1.5 m	kg					*7,270	4,880	5,550	3,590	5,400	3,500	7.64
(4.9 ft)	lb					*16,030	10,760	12,240	7,910	11,900	7,720	(25.1)
Ground	kg			*10,520	7,090	7,580	4,760			5,580	3,590	7.43
Line	lb			*23,190	15,630	16,710	10,490			12,300	7,910	(24.4)
-1.5 m	kg			*10,220	7,100	7,560	4,750			6,230	3,980	6.88
(-4.9 ft)	lb			*22,530	15,650	16,670	10,470			13,730	8,770	(22.6)
-3.0 m	kg	*12,370	*12,370	*9,130	7,240					*6,670	4,980	5.90
(-9.8 ft)	lb	*27,270	*27,270	*20,130	15,960					*14,700	10,980	(19.4)
-4.5 m	kg											
(-14.8 ft)	lb											

5.68 m (18' 8") Mono boom, 2.40 m (7' 10") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m	kg									*5,080	*5,080	5.58
(24.6 ft)	lb									*11,200	*11,200	(18.3)
6.0 m	kg					*5,010	*5,010			*4,610	4,430	6.82
(19.7 ft)	lb					*11,050	*11,050			*10,160	9,770	(22.4)
4.5 m	kg			*6,350	*6,350	*5,450	5,340	*5,000	3,750	*4,490	3,700	7.55
(14.8 ft)	lb			*14,000	*14,000	*12,020	11,770	*11,020	8,270	*9,900	8,160	(24.8)
3.0 m	kg			*8,150	7,740	*6,230	5,110	*5,420	3,670	*4,580	3,360	7.94
(9.8 ft)	lb			*17,970	17,060	*13,730	11,270	*11,950	8,090	*10,100	7,410	(26.1)
1.5 m	kg			*9,710	7,270	*7,030	4,880	5,530	3,570	*4,860	3,230	8.03
(4.9 ft)	lb			*21,410	16,030	*15,500	10,760	12,190	7,870	*10,710	7,120	(26.3)
Ground	kg			*10,410	7,060	7,550	4,730	5,460	3,500	5,140	3,310	7.83
Line	lb			*22,950	15,560	16,640	10,430	12,040	7,720	11,330	7,300	(25.7)
-1.5 m	kg	*10,830	*10,830	*10,330	7,040	7,500	4,690			5,660	3,620	7.31
(-4.9 ft)	lb	*23,880	*23,880	*22,770	15,520	16,530	10,340			12,480	7,980	(24.0)
-3.0 m	kg	*13,260	*13,260	*9,490	7,140	*6,960	4,770			*6,300	4,390	6.40
(-9.8 ft)	lb	*29,230	*29,230	*20,920	15,740	*15,340	10,520			*13,890	9,680	(21.0)
-4.5 m	kg			*7,150	*7,150					*6,320	*6,320	4.89
(-14.8 ft)	lb			*15,760	*15,760					*13,930	*13,930	(16.0)

| 1 | Lifting capacity are based on ISO 10567. | 2 | Lifting capacity of 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.

Rating over-front Rating over-side or 360 degree

HX220AL

5.68 m (18' 8") Mono boom, 2.92 m (9' 7") arm equipped with 0.92 m³ (SAE heaped) bucket and 800 mm triple grouser shoe.

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m	kg							*4,460	*4,460			*3,370	*3,370	6.26
(24.6 ft)	lb							*9,830	*9,830			*7,430	*7,430	(20.5)
6.0m	kg							*4,460	*4,460			*3,100	*3,100	7.38
(19.7 ft)	lb							*9,830	*9,830			*6,830	*6,830	(24.2)
4.5 m	kg							*4,970	*4,970	*4,710	3,900	*3,020	*3,020	8.07
(14.8 ft)	lb							*10,960	*10,960	*10,380	8,600	*6,660	*6,660	(26.5)
3.0 m	kg					*7,410	*7,410	*5,800	5,300	*5,070	3,790	*3,070	*3,070	8.43
(9.8 ft)	lb					*16,340	*16,340	*12,790	11,680	*11,180	8,360	*6,770	*6,770	(27.7)
1.5 m	kg					*9,140	7,570	*6,680	5,040	*5,520	3,670	*3,250	3,040	8.51
(4.9 ft)	lb					*20,150	16,690	*14,730	11,110	*12,170	8,090	*7,170	6,700	(27.9)
Ground	kg			*5,930	*5,930	*10,140	7,270	*7,330	4,860	5,600	3,570	*3,590	3,090	8.32
Line	lb			*13,070	*13,070	*22,350	16,030	*16,160	10,710	12,350	7,870	*7,910	6,810	(27.3)
-1.5 m	kg	*6,500	*6,500	*10,400	*10,400	*10,350	7,180	*7,590	4,780	5,560	3,540	*4,200	3,350	7.84
(-4.9 ft)	lb	*14,330	*14,330	*22,930	*22,930	*22,820	15,830	*16,730	10,540	12,260	7,800	*9,260	7,390	(25.7)
-3.0 m	kg	*11,120	*11,120	*14,180	14,090	*9,820	7,240	*7,250	4,810			*5,420	3,940	7.00
(-9.8 ft)	lb	*24,520	*24,520	*31,260	31,060	*21,650	15,960	*15,980	10,600			*11,950	8,690	(23.0)
-4.5 m	kg			*11,610	*11,610	*8,190	7,450					*6,080	5,420	5.65
(-14.8 ft)	lb			*25,600	*25,600	*18,060	16,420					*13,400	11,950	(18.5)

5.68 m (18' 8") Mono boom, 3.90 m (12' 9") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
7.5 m	kg													*2,330	*2,330	7.49
(24.6 ft)	lb													*5,140	*5,140	(24.6)
6.0 m	kg									*3,680	*3,680			*2,170	*2,170	8.44
(19.7 ft)	lb									*8,110	*8,110			*4,780	*4,780	(27.7)
4.5 m	kg									*3,920	3,820	*2,330	*2,330	*2,120	*2,120	9.05
(14.8 ft)	lb									*8,640	8,420	*5,140	*5,140	*4,670	*4,670	(29.7)
3.0 m	kg					*5,890	*5,890	*4,880	*4,880	*4,370	3,680	*3,530	2,710	*2,150	*2,150	9.37
(9.8 ft)	lb					*12,990	*12,990	*10,760	*10,760	*9,630	8,110	*7,780	5,970	*4,740	*4,740	(30.7)
1.5 m	kg			*8,630	*8,630	*7,850	7,470	*5,870	4,900	*4,920	3,510	*4,080	2,630	*2,250	*2,250	9.45
(4.9 ft)	lb			*19,030	*19,030	*17,310	16,470	*12,940	10,800	*10,850	7,740	*8,990	5,800	*4,960	*4,960	(31.0)
Ground	kg			*7,210	*7,210	*9,310	7,000	*6,730	4,640	5,330	3,370	*3,890	2,570	*2,440	*2,440	9.28
Line	lb			*15,900	*15,900	*20,530	15,430	*14,840	10,230	11,750	7,430	*8,580	5,670	*5,380	*5,380	(30.4)
-1.5 m	kg	*5,430	*5,430	*9,370	*9,370	*10,030	6,770	*7,260	4,480	5,240	3,280			*2,780	2,610	8.85
(-4.9 ft)	lb	*11,970	*11,970	*20,660	*20,660	*22,110	14,930	*16,010	9,880	11,550	7,230			*6,130	5,750	(29.0)
-3.0 m	kg	*8,510	*8,510	*13,040	*13,040	*10,030	6,730	7,250	4,440	5,220	3,270			*3,380	2,950	8.12
(-9.8 ft)	lb	*18,760	*18,760	*28,750	*28,750	*22,110	14,840	15,980	9,790	11,510	7,210			*7,450	6,500	(26.6)
-4.5 m	kg	*12,380	*12,380	*13,530	13,400	*9,220	6,840	*6,720	4,520					*4,660	3,700	6.99
(-14.8 ft)	lb	*27,290	*27,290	*29,830	29,540	*20,330	15,080	*14,820	9,960					*10,270	8,160	(22.9)
-6.0 m	kg			*10,120	*10,120	*6,860	*6,860							*5,510	*5,510	5.21
(-19.7 ft)	lb			*22,310	*22,310	*15,120	*15,120							*12,150	*12,150	(17.1)

| 1 | Lifting capacity are based on ISO 10567. | 2 | Lifting capacity of 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.

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX220AL

5.68 m (18' 8") Mono boom, 2.92 m (9' 7") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m	kg							*4,460	*4,460			*3,370	*3,370	6.26
(24.6 ft)	lb							*9,830	*9,830			*7,430	*7,430	(20.5)
6.0m	kg							*4,460	*4,460			*3,100	*3,100	7.38
(19.7 ft)	lb							*9,830	*9,830			*6,830	*6,830	(24.2)
4.5 m	kg							*4,970	*4,970	*4,710	3,780	*3,020	*3,020	8.07
(14.8 ft)	lb							*10,960	*10,960	*10,380	8,330	*6,660	*6,660	(26.5)
3.0 m	kg					*7,410	*7,410	*5,800	5,140	*5,070	3,670	*3,070	3,050	8.43
(9.8 ft)	lb					*16,340	*16,340	*12,790	11,330	*11,180	8,090	*6,770	6,720	(27.7)
1.5 m	kg					*9,140	7,340	*6,680	4,890	*5,520	3,550	*3,250	2,940	8.51
(4.9 ft)	lb					*20,150	16,180	*14,730	10,780	*12,170	7,830	*7,170	6,480	(27.9)
Ground	kg			*5,930	*5,930	*10,140	7,040	*7,330	4,700	5,410	3,450	*3,590	2,990	8.32
Line	lb			*13,070	*13,070	*22,350	15,520	*16,160	10,360	11,930	7,610	*7,910	6,590	(27.3)
-1.5 m	kg	*6,500	*6,500	*10,400	*10,400	*10,350	6,950	7,440	4,620	5,380	3,420	*4,200	3,230	7.84
(-4.9 ft)	lb	*14,330	*14,330	*22,930	*22,930	*22,820	15,320	16,400	10,190	11,860	7,540	*9,260	7,120	(25.7)
-3.0 m	kg	*11,120	*11,120	*14,180	13,660	*9,820	7,010	*7,250	4,650			*5,420	3,800	7.00
(-9.8 ft)	lb	*24,520	*24,520	*31,260	30,120	*21,650	15,450	*15,980	10,250			*11,950	8,380	(23.0)
-4.5 m	kg			*11,610	*11,610	*8,190	7,220					*6,080	5,250	5.65
(-14.8 ft)	lb			*25,600	*25,600	*18,060	15,920					*13,400	11,570	(18.5)

8.20 m (26' 11") boom, 6.30 m (20' 8") arm equipped with 0.52 m³ (SAE heaped) bucket and 800 mm triple grouser shoe.

Load point height m (ft)		Load radius																At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		10.5 m (34.4 ft)		12.0 m (39.4 ft)		13.5 m (44.3 ft)		Capacity		Reach
																						m (ft)
10.5 m	kg													*1,180	*1,180					*870	*870	10.88
(34.4 ft)	lb													*2,600	*2,600					*1,920	*1,920	(35.7)
9.0 m	kg																			*820	*820	11.94
(29.5 ft)	lb																			*1,810	*1,810	(39.2)
7.5m	kg													*1,870	*1,870	*1,410	*1,410			*790	*790	12.74
(24.6 ft)	lb													*4,120	*4,120	*3,110	*3,110			*1,740	*1,740	(41.8)
6.0 m	kg													*1,990	*1,990	*1,780	*1,780			*790	*790	13.31
(19.7 ft)	lb													*4,390	*4,390	*3,920	*3,920			*1,740	*1,740	(43.7)
4.5 m	kg											*2,290	*2,290	*2,170	*2,170	*2,080	*2,080	*1,050	*1,050	*800	*800	13.70
(14.8 ft)	lb											*5,050	*5,050	*4,780	*4,780	*4,590	*4,590	*2,310	*2,310	*1,760	*1,760	(45.0)
3.0 m	kg									*2,980	*2,980	*2,630	*2,630	*2,400	*2,400	*2,250	2,000	*1,340	*1,340	*830	*830	13.92
(9.8 ft)	lb									*6,570	*6,570	*5,800	*5,800	*5,290	*5,290	*4,960	4,410	*2,950	*2,950	*1,830	*1,830	(45.7)
1.5 m	kg			*2,800	*2,800	*6,330	*6,330	*4,470	*4,470	*3,530	*3,530	*2,990	*2,990	*2,640	2,400	*2,410	1,910	*1,490	*1,490	*880	*880	13.97
(4.9 ft)	lb			*6,170	*6,170	*13,960	*13,960	*9,850	*9,850	*7,780	*7,780	*6,590	*6,590	*5,820	5,290	*5,310	4,210	*3,280	*3,280	*1,940	*1,940	(45.8)
Ground	kg			*2,410	*2,410	*6,270	*6,270	*5,260	5,020	*4,050	3,710	*3,340	2,870	*2,880	2,270	*2,580	1,830	*1,470	*1,470	*950	*950	13.85
Line	lb			*5,310	*5,310	*13,820	*13,820	*11,600	11,070	*8,930	8,180	*7,360	6,330	*6,350	5,000	*5,690	4,030	*3,240	*3,240	*2,090	*2,090	(45.4)
-1.5 m	kg	*1,990	*1,990	*2,980	*2,980	*5,610	*5,610	*5,830	4,690	*4,460	3,480	*3,630	2,710	*3,090	2,160	*2,720	1,760	*1,170	*1,170	*1,040	*1,040	13.57
(-4.9 ft)	lb	*4,390	*4,390	*6,570	*6,570	*12,370	*12,370	*12,850	10,340	*9,830	7,670	*8,000	5,970	*6,810	4,760	*6,000	3,880	*2,580	*2,580	*2,290	*2,290	(44.5)
-3.0 m	kg	*2,870	*2,870	*3,800	*3,800	*6,050	*6,050	*6,170	4,510	*4,750	3,330	*3,850	2,600	*3,250	2,090	*2,810	1,710			*1,180	*1,180	13.11
(-9.8 ft)	lb	*6,330	*6,330	*8,380	*8,380	*13,340	*13,340	*13,600	9,940	*10,470	7,340	*8,490	5,730	*7,170	4,610	*6,190	3,770			*2,600	*2,600	(43.0)
-4.5 m	kg	*3,790	*3,790	*4,800	*4,800	*7,020	6,750	*6,290	4,450	*4,880	3,270	*3,960	2,540	*3,320	2,050	*2,380	1,700			*1,390	*1,390	12.45
(-14.8 ft)	lb	*8,360	*8,360	*10,580	*10,580	*15,480	14,880	*13,870	9,810	*10,760	7,210	*8,730	5,600	*7,320	4,520	*5,250	3,750			*3,060	*3,060	(40.9)
-6.0 m	kg	*4,800	*4,800	*5,970	*5,970	*8,340	6,840	*6,190	4,470	*4,850	3,270	*3,930	2,550	*3,250	2,070					*1,720	*1,720	11.56
(-19.7 ft)	lb	*10,580	*10,580	*13,160	*13,160	*18,390	15,080	*13,650	9,850	*10,690	7,210	*8,660	5,620	*7,170	4,560					*3,790	*3,790	(37.9)
-7.5 m	kg	*5,950	*5,950	*7,410	*7,410	*7,740	7,040	*5,830	4,590	*4,600	3,350	*3,700	2,620							*2,300	2,190	10.37
(-24.6 ft)	lb	*13,120	*13,120	*16,340	*16,340	*17,060	15,520	*12,850	10,120	*10,140	7,390	*8,160	5,780							*5,070	4,830	(34.0)
-9.0 m	kg			*9,290	*9,290	*6,700	*6,700	*5,100	4,790	*3,980	3,520									*3,160	2,880	8.77
(-29.5 ft)	lb			*20,480	*20,480	*14,770	*14,770	*11,240	10,560	*8,770	7,760									*6,970	6,350	(28.8)
-10.5 m	kg																					
(-34.4 ft)	lb																					

| 1 | Lifting capacity are based on ISO 10567. | 2 | Lifting capacity of 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.

Rating over-front Rating over-side or 360 degree

HX220AL 2-PIECE BOOM

3.673 m boom 2-Piece, 2.92 m (6' 7") arm equipped with 0.92 m³ (SAE heaped) bucket, 600 mm (24") triple grouser shoe.

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
9.0 m	kg									*4,550	*4,550	4.46
(29.5 ft)	lb									*10,030	*10,030	(14.6)
7.5 m	kg			*6,200	*6,200	*5,300	*5,300			*3,630	*3,630	6.32
(24.6 ft)	lb			*13,670	*13,670	*11,680	*11,680			*8,000	*8,000	(20.7)
6.0 m	kg			*6,430	*6,430	*5,760	5,560			*3,300	*3,300	7.43
(19.7 ft)	lb			*14,180	*14,180	*12,700	12,260			*7,280	*7,280	(24.4)
4.5 m	kg	*10,530	*10,530	*8,050	*8,050	*6,090	5,370	*4,920	3,730	*3,180	*3,180	8.11
(14.8 ft)	lb	*23,210	*23,210	*17,750	*17,750	*13,430	11,840	*10,850	8,220	*7,010	*7,010	(26.6)
3.0 m	kg			*10,100	7,820	*6,730	5,080	*5,130	3,610	*3,200	2,950	8.47
(9.8 ft)	lb			*22,270	17,240	*14,840	11,200	*11,310	7,960	*7,050	6,500	(27.8)
1.5 m	kg			*11,830	7,210	*7,620	4,800	*5,440	3,470	*3,350	2,840	8.55
(4.9 ft)	lb			*26,080	15,900	*16,800	10,580	*11,990	7,650	*7,390	6,260	(28.1)
Ground	kg			11,830	6,880	7,480	4,590	5,370	3,370	*3,640	2,890	8.36
Line	lb			26,080	15,170	16,490	10,120	11,840	7,430	*8,020	6,370	(27.4)
-1.5 m	kg	*11,710	*11,710	*10,960	6,790	7,380	4,510	5,340	3,340	*4,180	3,140	7.88
(-4.9 ft)	lb	*25,820	*25,820	*24,160	14,970	16,270	9,940	11,770	7,360	*9,220	6,920	(25.9)
-3.0 m	kg	*11,250	*11,250	*8,920	6,870	*6,680	4,560			*4,770	3,710	7.05
(-9.8 ft)	lb	*24,800	*24,800	*19,670	15,150	*14,730	10,050			*10,520	8,180	(23.1)

HX220AL HIGH WALKER

8.20 m (26' 11") boom, 6.30 m (20' 8") arm equipped with 0.52 m³ (SAE heaped) bucket and 800 mm triple grouser shoe.

Load point height m (ft)		Load radius																At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		10.5 m (34.4 ft)		12.0 m (39.4 ft)		13.5 m (44.3 ft)		Capacity		Reach
																						m (ft)
10.5 m	kg													*1,280	*1,280					*860	*860	11.04
(34.4 ft)	lb													*2,820	*2,820					*1,900	*1,900	(36.2)
9.0 m	kg															*880	*880			*810	*810	12.06
(29.5 ft)	lb															*1,940	*1,940			*1,790	*1,790	(39.6)
7.5m	kg													*1,880	*1,880	*1,470	*1,470			*790	*790	12.82
(24.6 ft)	lb													*4,140	*4,140	*3,240	*3,240			*1,740	*1,740	(42.1)
6.0 m	kg													*2,010	*2,010	*1,820	*1,820			*790	*790	13.38
(19.7 ft)	lb													*4,430	*4,430	*4,010	*4,010			*1,740	*1,740	(43.9)
4.5 m	kg											*2,330	*2,330	*2,200	*2,200	*2,120	*2,120	*1,090	*1,090	*800	*800	13.74
(14.8 ft)	lb											*5,140	*5,140	*4,850	*4,850	*4,670	*4,670	*2,400	*2,400	*1,760	*1,760	(45.1)
3.0 m	kg							*3,680	*3,680	*3,050	*3,050	*2,670	*2,670	*2,430	*2,430	*2,270	2,110	*1,360	*1,360	*830	*830	13.93
(9.8 ft)	lb							*8,110	*8,110	*6,720	*6,720	*5,890	*5,890	*5,360	*5,360	*5,000	4,650	*3,000	*3,000	*1,830	*1,830	(45.7)
1.5 m	kg			*2,610	*2,610	*6,530	*6,530	*4,580	*4,580	*3,610	*3,610	*3,040	*3,040	*2,670	2,530	*2,430	2,020	*1,490	*1,490	*880	*880	13.96
(4.9 ft0	lb			*5,750	*5,750	*14,400	*14,400	*10,100	*10,100	*7,960	*7,960	*6,700	*6,700	*5,890	5,580	*5,360	4,450	*3,280	*3,280	*1,940	*1,940	(45.8)
Ground	kg			*2,460	*2,460	*6,060	*6,060	*5,350	5,250	*4,110	3,890	*3,380	3,010	*2,910	2,390	*2,600	1,940	*1,450	*1,450	*960	*960	13.83
Line	lb			*5,420	*5,420	*13,360	*13,360	*11,790	11,570	*9,060	8,580	*7,450	6,640	*6,420	5,270	*5,730	4,280	*3,200	*3,200	*2,120	*2,120	(45.4)
-1.5 m	kg	*2,110	*2,110	*3,080	*3,080	*5,620	*5,620	*5,890	4,940	*4,510	3,670	*3,670	2,860	*3,120	2,290	*2,730	1,870	*1,100	*1,100	*1,060	*1,060	13.52
(-4.9 ft)	lb	*4,650	*4,650	*6,790	*6,790	*12,390	*12,390	*12,990	10,890	*9,940	8,090	*8,090	6,310	*6,880	5,050	*6,020	4,120	*2,430	*2,430	*2,340	*2,340	(44.4)
-3.0 m	kg	*2,990	*2,990	*3,930	*3,930	*6,160	*6,160	*6,200	4,770	*4,770	3,530	*3,870	2,760	*3,260	2,220	*2,820	1,830			*1,210	*1,210	13.03
(-9.8 ft)	lb	*6,590	*6,590	*8,660	*8,660	*13,580	*13,580	*13,670	10,520	*10,520	7,780	*8,530	6,080	*7,190	4,890	*6,220	4,030			*2,670	*2,670	(42.8)
-4.5 m	kg	*3,920	*3,920	*4,940	*4,940	*7,180	7,160	*6,290	4,720	*4,890	3,470	*3,970	2,710	*3,320	2,190	*2,210	1,830			*1,430	*1,430	12.35
(-14.8 ft)	lb	*8,640	*8,640	*10,890	*10,890	*15,830	15,790	*13,870	10,410	*10,780	7,650	*8,750	5,970	*7,320	4,830	*4,870	4,030			*3,150	*3,150	(40.5)
-6.0 m	kg	*4,950	*4,950	*6,150	*6,150	*8,280	7,270	*6,160	4,760	*4,830	3,490	*3,920	2,720	*3,230	2,220					*1,780	*1,780	11.42
(-19.7 ft)	lb	*10,910	*10,910	*13,560	*13,560	*18,250	16,030	*13,580	10,490	*10,650	7,690	*8,640	6,000	*7,120	4,890					*3,920	*3,920	(37.5)
-7.5 m	kg	*6,110	*6,110	*7,630	*7,630	*7,630	7,480	*5,760	4,880	*4,540	3,570	*3,640	2,800							*2,410	2,400	10.19
(-24.6 ft)	lb	*13,470	*13,470	*16,820	*16,820	*16,820	16,490	*12,700	10,760	*10,010	7,870	*8,020	6,170							*5,310	5,290	(33.4)
-9.0 m	kg			*9,180	*9,180	*6,510	*6,510	*4,960	*4,960	*3,850	3,760									*3,190	*3,190	8.51
(-29.5 ft)	lb			*20,240	*20,240	*14,350	*14,350	*10,930	*10,930	*8,490	8,290									*7,030	*7,030	(27.9)
-10.5 m	kg																					
(-34.4 ft)	lb																					

| 1 | Lifting capacity are based on ISO 10567. | 2 | Lifting capacity of 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.

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX220AL HIGH WALKER

5.68 m (18' 8") Mono boom, 2.00 m (6' 7") arm equipped with 0.92 m³ (SAE heaped) bucket, 600 mm (24") triple grouser shoe.

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m	kg									*5,670	*5,670	5.23
(24.6 ft)	lb									*12,500	*12,500	(17.1)
6.0m	kg					*5,470	*5,470			*5,530	5,060	6.48
(19.7 ft)	lb					*12,060	*12,060			*12,190	11,160	(21.3)
4.5 m	kg			*7,120	*7,120	*5,900	5,600			*5,580	4,220	7.21
(14.8 ft)	lb			*15,700	*15,700	*13,010	12,350			*12,300	9,300	(23.7)
3.0 m	kg			*8,930	8,030	*6,650	5,370	*5,740	3,900	*5,720	3,840	7.58
(9.8 ft)	lb			*19,690	17,700	*14,660	11,840	*12,650	8,600	*12,610	8,470	(24.9)
1.5 m	kg					*7,340	5,170	5,910	3,820	5,760	3,730	7.63
(4.9 ft)	lb					*16,180	11,400	13,030	8,420	12,700	8,220	(25.0)
Ground	kg			*1,0520	7,550	*7,710	5,070			6,010	3,870	7.37
Line	lb			*23,190	16,640	*17,000	11,180			13,250	8,530	(24.2)
-1.5 m	kg	*12,400	*12,400	*10,130	7,580	*7,550	5,070			*6,470	4,340	6.78
(-4.9 ft)	lb	*27,340	*27,340	*22,330	16,710	*16,640	11,180			*14,260	9,570	(22.2)
-3.0 m	kg	*12,040	*12,040	*8,890	7,730					*6,690	5,540	5.73
(-9.8 ft)	lb	*26,540	*26,540	*19,600	17,040					*14,750	12,210	(18.8)
-4.5 m	kg											
(-14.8 ft)	lb											

5.68 m (18' 8") Mono boom, 2.40 m (7' 10") arm equipped with 0.92 m³ (SAE heaped) bucket, 600 mm (24") triple grouser shoe.

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
												m (ft)
7.5 m	kg									*4,990	*4,990	5.79
(24.6 ft)	lb									*11,000	*11,000	(19.0)
6.0m	kg					*5,040	*5,040			*4,580	4,560	6.94
(19.7 ft)	lb					*11,110	*11,110			*10,100	10,050	(22.8)
4.5 m	kg			*6,570	*6,570	*5,540	*5,540	*5,190	3,980	*4,490	3,870	7.62
(14.8 ft)	lb			*14,480	*14,480	*12,210	*12,210	*11,440	8,770	*9,900	8,530	(25.0)
3.0 m	kg			*8,390	8,120	*6,350	5,390	*5,470	3,900	*4,600	3,550	7.97
(9.8 ft)	lb			*18,500	17,900	*14,000	11,880	*12,060	8,600	*10,140	7,830	(26.1)
1.5 m	kg			*9,850	7,690	*7,120	5,170	*5,830	3,800	*4,920	3,450	8.02
(4.9 ft)	lb			*21,720	16,950	*15,700	11,400	*12,850	8,380	*10,850	7,610	(26.3)
Ground	kg			*10,440	7,510	*7,600	5,040	5,820	3,730	*5,520	3,560	7.78
Line	lb			*23,020	16,560	*16,760	11,110	12,830	8,220	*12,170	7,850	(25.5)
-1.5 m	kg	*11,820	*11,820	*10,270	7,500	*7,600	5,010			*6,070	3,940	7.22
(-4.9 ft)	lb	*26,060	*26,060	*22,640	16,530	*16,760	11,050			*13,380	8,690	(23.7)
-3.0 m	kg	*12,960	*12,960	*9,300	7,620	*6,760	5,110			*6,330	4,860	6.25
(-9.8 ft)	lb	*28,570	*28,570	*20,500	16,800	*14,900	11,270			*13,960	10,710	(20.5)
-4.5 m	kg											
(-14.8 ft)	lb											

| 1 | Lifting capacity are based on ISO 10567. | 2 | Lifting capacity of 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.

Rating over-front Rating over-side or 360 degree

HX220AL HIGH WALKER

5.68 m (18' 8") Mono boom, 2.92 m (9' 7") arm equipped with 0.92 m³ (SAE heaped) bucket, 600 mm (24") triple grouser shoe.

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		Reach
														m (ft)
7.5 m	kg							*4,490	*4,490			*3,320	*3,320	6.44
(24.6 ft)	lb							*9,900	*9,900			*7,320	*7,320	(21.1)
6.0m	kg							*4,500	*4,500			*3,080	*3,080	7.49
(19.7 ft)	lb							*9,920	*9,920			*6,790	*6,790	(24.6)
4.5 m	kg							*5,070	*5,070	*4,750	4,010	*3,020	*3,020	8.13
(14.8 ft)	lb							*11,180	*11,180	*10,470	8,840	*6,660	*6,660	(26.7)
3.0 m	kg					*7,670	*7,670	*5,920	5,420	*5,130	3,900	*3,090	*3,090	8.46
(9.8 ft)	lb					*16,910	*16,910	*13,050	11,950	*11,310	8,600	*6,810	*6,810	(27.7)
1.5 m	kg					*9,330	7,740	*6,780	5,170	*5,570	3,770	*3,290	3,140	8.50
(4.9 ft)	lb					*20,570	17,060	*14,950	11,400	*12,280	8,310	*7,250	6,920	(27.9)
Ground	kg			*6,460	*6,460	*10,210	7,480	*7,390	5,000	5,770	3,680	*3,650	3,220	8.28
Line	lb			*14,240	*14,240	*22,510	16,490	*16,290	11,020	12,720	8,110	*8,050	7,100	(27.2)
-1.5 m	kg	*7,100	*7,100	*11,080	*11,080	*10,330	7,410	*7,580	4,930	5,750	3,660	*4,320	3,510	7.75
(-4.9 ft)	lb	*15,650	*15,650	*24,430	*24,430	*22,770	16,340	*16,710	10,870	12,680	8,070	*9,520	7,740	(25.4)
-3.0 m	kg	*11,800	*11,800	*13,920	*13,920	*9,690	7,480	*7,130	4,980			*5,670	4,190	6.86
(-9.8 ft)	lb	*26,010	*26,010	*30,690	*30,690	*21,360	16,490	*15,720	10,980			*12,500	9,240	(22.5)
-4.5 m	kg			*11,110	*11,110	*7,820	7,730					*6,090	5,970	5.42
(-14.8 ft)	lb			*24,490	*24,490	*17,240	17,040					*13,430	13,160	(17.8)

5.68 m (18' 8") Mono boom, 3.90 m (12' 9") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)		Load radius												At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
7.5 m	kg									*2,760	*2,760			*2,300	*2,300	7.64
(24.6 ft)	lb									*6,080	*6,080			*5,070	*5,070	(25.1)
6.0 m	kg									*3,690	*3,690			*2,160	*2,160	8.54
(19.7 ft)	lb									*8,140	*8,140			*4,760	*4,760	(28.0)
4.5 m	kg							*4,100	*4,100	*3,970	*3,970	*2,560	*2,560	*2,120	*2,120	9.11
(14.8 ft)	lb							*9,040	*9,040	*8,750	*8,750	*5,640	*5,640	*4,670	*4,670	(29.9)
3.0 m	kg			*9,120	*9,120	*6,160	*6,160	*5,010	*5,010	*4,440	3,890	*3,630	2,900	*2,150	*2,150	9.40
(9.8 ft)	lb			*20,110	*20,110	*13,580	*13,580	*11,050	*11,050	*9,790	8,580	*8,000	6,390	*4,740	*4,740	(30.8)
1.5 m	kg			*7,910	*7,910	*8,080	7,850	*6,000	5,170	*4,990	3,730	*4,110	2,820	*2,270	*2,270	9.44
(4.9 ft)	lb			*17,440	*17,440	*17,810	17,310	*13,230	11,400	*11,000	8,220	*9,060	6,220	*5,000	*5,000	(31.0)
Ground	kg			*7,390	*7,390	*9,450	7,410	*6,820	4,920	*5,470	3,590	*3,760	2,750	*2,480	*2,480	9.23
Line	lb			*16,290	*16,290	*20,830	16,340	*15,040	10,850	*12,060	7,910	*8,290	6,060	*5,470	*5,470	(30.3)
-1.5 m	kg	*5,820	*5,820	*9,770	*9,770	*10,070	7,210	*7,300	4,780	5,590	3,510			*2,840	2,840	8.77
(-4.9 ft)	lb	*12,830	*12,830	*21,540	*21,540	*22,200	15,900	*16,090	10,540	12,320	7,740			*6,260	6,260	(28.8)
-3.0 m	kg	*8,970	*8,970	*13,670	*13,670	*9,970	7,190	*7,310	4,750	5,600	3,510			*3,500	3,240	7.99
(-9.8 ft)	lb	*19,780	*19,780	*30,140	*30,140	*21,980	15,850	*16,120	10,470	12,350	7,740			*7,720	7,140	(26.2)
-4.5 m	kg	*13,000	*13,000	*13,200	*13,200	*9,020	7,330	*6,540	4,860					*4,940	4,130	6.80
(-14.8 ft)	lb	*28,660	*28,660	*29,100	*29,100	*19,890	16,160	*14,420	10,710					*10,890	9,110	(22.3)
-6.0 m	kg					*6,270	*6,270									
(-19.7 ft)	lb					*13,820	*13,820									

| 1 | Lifting capacity are based on ISO 10567. | 2 | Lifting capacity of 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.

STANDARD / OPTION

ENGINE	
Cummins B6.7	●
HYDRAULIC SYSTEM	
Electric Positive Flow Control (EPFC)	
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	
Electronic Fan 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	●
12V Power Outlet (24V DC to 12V DC converter)	●
Electric Horn	●
All-Weather Steel Cab with 360° Visibility	●
Safety Glass - Tempered Glass	●
Safety Glass - Laminated Glass, Front Window & Glass	
Sliding Fold-In Front Window	●
Sliding Side Window (LH)	●
Lockable Door	●
Hot & Cool Box	●
Storage Compartment	●
Ashtray & Cigar Lighter	
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	●
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 FOG (ISO 10262) Level 2	
FOG (Falling Object Protective Structure) · ISO 10262 Level 2	
Cabin ROPS	
ROPS (Roll Over Protective Structures) · ISO 1211 7-2	●

SAFETY	STD
Battery Master Switch	●
Rearview Camera	
AAVM (Advanced Around View Monitoring)	
Four Front Working Lights (2 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	●
Front Guard - Wire Net	
OTHER	
Booms	
5.68 m, 18' 8" Mono	●
5.65 m, 18' 6" 2-Piece	
8.2 m, 26' 11" Long Reach	
Arms	
2.0 m, 6' 7"	
2.4 m, 7' 10"	
2.92 m, 9' 7"	●
3.9 m, 12' 10"	
6.3 m, 20' 8" Long Reach	
Removable Clean-Out Dust Net For Cooler	●
Removable Reservoir Tank	●
Fuel Pre-Filter	●
Fuel Warmer	
Self-Diagnostics System	●
Hi-MATE (Remote Management System)	
Batteries (2 × 12 V × 100 AH)	●
Fuel Filler Pump (50 ℓ/min)	
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	
Accumulator For Lowering Work Equipment	●
Pattern Change Valve (2 Patterns)	
Fine Swing Control System	
Tool Kit	
UNDERCARRIAGE	
Lower Frame Under Cover (Additional)	
Lower Frame Under Cover (Normal)	●
Track Shoes	
Triple Grousers Shoes (600 mm, 24")	●
Triple Grousers Shoe (700 mm, 28")	
Triple Grousers Shoe (800 mm, 32")	
Triple Grousers Shoe (900 mm, 36")	
Double Grousers 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.

SPECIFICATIONS

ENGINE	
Maker / Model	Cummins B6.7
Type	Turbocharged, Charge Air Cooled, Diesel Engine
Gross Power (SAE J1995)	173 HP (129 kW) at 2,200 rpm
Net Power (SAE J1349)	170 HP (127 kW) at 2,200 rpm
Max. Power	195 HP (145kW) at 2,000 rpm
Peak Torque	881 N·m (650 lb·ft) at 1,300 rpm
Displacement	6,700 cc (408 cu in)

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Variable Displacement Tandem Axis Piston Pumps
Max. Flow	2 × 221 ℓ/min
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	350 kgf/cm² (4,980 psi)
Travel	350 kgf/cm² (4,980 psi)
Power Boost (Boom, Arm, Bucket)	380 kgf/cm² (5,400 psi)
Swing Circuit	265 kgf/cm² (3,770 psi)
Pilot Circuit	40 kgf/cm² (570psi)
Service Valve	Installed

HYDRAULIC CYLINDERS	
No. of Cylinder Bore X Stroke	Boom: Ø120×1,290 mm
	Arm: Ø140×1,510 mm
	Bucket: Ø120×1,055 mm

* Hyundai Bio Hydraulic Oil (HBHO) available.

DRIVES & BRAKES	
Drive Method	Fully Hydrostatic Type
Drive Motor	Axial Piston Motor, In-Shoe Design
Reduction System	Planetary Reduction Gear
Max. Drawbar Pull	20,800 kgf (45,860 lbf)
Max. Travel Speed (High / Low)	5.4 km/hr (3.4 mph) / 3.5 km/hr (2.2 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, Boom and Bucket
Traveling And Steering	Two Levers With Pedals
Engine Throttle	Electric, Dial Type

SWING SYSTEM	
Swing Motor	Fixed Displacement Axial Piston Motor
Swing Reduction	Planetary Gear Reduction
Swing Bearing Lubrication	Grease-Bathed
Swing Brake	Multi Wet Disc
Swing Speed	11.4 rpm

CAPACITIES

	liter	US gal	UK gal
Fuel Tank	400	106	88
Engine Coolant	40	10.6	8.8
Engine Oil	23.1	6.1	5.1
Swing Device	6.2	1.64	1.36
Final Drive (Each)	4.5	1.2	1
Hydraulic System (Including Tank)	275	72.6	60.5
Hydraulic Tank	155	40.9	34.1
DEF/AdBlue®	48	12.6	10.5

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	49 EA
No. of Carrier Roller on Each Side	2 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 5,680 mm (18' 8") boom, 2,920 mm (9' 7") arm, SAE heaped 0.92 m³ (1.20 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)		kgf/cm² (psi)
Triple Grouser	600 (24")	HX220A L	22,100 (48,720)	0.47 (6.71)
		HX220A L HW	23,560 (51,940)	0.50 (7.15)
	700 (28")	HX220A L	22,380 (49,340)	0.41 (5.82)
		HX220A L HW	23,840 (52,560)	0.44 (6.20)
	800 (32")	HX220A L	22,660 (49,960)	0.36 (5.16)
		HX220A L HW	24,120 (53,170)	0.39 (5.49)
	900 (36")	HX220A L	22,940 (50,570)	0.33 (4.64)
		HX220A L HW	24,400 (53,790)	0.35 (4.94)
Double Grouser	700 (28")	HX220A L HW	24,040 (53,000)	0.44 (6.25)

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1,430) The system hold 0.75kg refrigerant consisting of a CO_2 of 1.07 metric tonnes. For more information, Please refer to the manual.