



## ▲ HYUNDAI CONSTRUCTION EQUIPMENT

### Head Office(Sales Office)

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PLEASE CONTACT

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**Gross Power**  
160 Hp (119 kW) at 2,200 rpm

**Net Power**  
157 Hp (117 kW) at 2,200 rpm

**Bucket Capacity**  
0.92 ~ 1.34m<sup>3</sup>

**Operating Weight**  
21,970 kg / 48,440 lb

# HX220L

With Tier 3 / Stage IIIA Engine Installed



\* Photo may include optional equipment.

# RULE THE GROUND

**HX220L**

HX Series exceeds customer's expectation!

Become a true leader on the ground with HCE's HX series.

## WORK MAX, WORTH MAX

- EPIC(Electric Pump Independent Control) **NEW**
- Attachment Flow Control **Option**
- New Variable Power Control
- Fuel Rate Information
- ECO Gauge
- New Cooling System with Increased Air Flow
- Enlarged Air Inlet with Grill Cover

## MORE RELIABLE, MORE SUSTAINABLE

- Durable Cooling Module
- Reinforced Pin, Bush, and Polymer Shim
- Reinforced Durability of Upper and Lower Structure and Attachments
- Wear Resistant Cover Plate
- Hi-grade (High-pressure) Hoses

## INFOTAINMENT FRONTIER

- Wi-Fi Direct with Smart Phone (Miracast) **Option**
- Proportional Auxiliary Hydraulic System **Option**
- New Front Side Air-conditioning System
- Intelligent and Wide Cluster
- New Air Conditioning System
- Quick Coupler Button (Option)
- New Audio System

## MODERN COMFORT, SIMPLE AND SAFE SOLUTION

- AAVM (Advanced Around View Monitoring) Camera System **Option**
- Hi-mate (Remote Management System) **Option**
- Swing Lock System **Option**
- Fine Swing Control **Option**
- Cab Suspension Mount



15% increased greater screen from 7 to 8 inch is applied in HX Series.

More functions and better resolution are available with adding premium options.

#### EPIC(Electric Pump Independent Control) **NEW**

HX Series adopts the EPIC system. It is able to reduce pump flow rate and power at the variable condition optimizely through the individual pump control. Furthermore, MCV spool and minimization of energy loss are improved such as conflux and throttle loss.



#### Attachment Flow Control **Option**

HX Series improves pump flow rate by independent control of two pumps. It optimizes attachments for effective flow rate setting depending on attachments (ten breaker types and ten crusher types), enabling various operations matching the site environments.



#### Eco Gauge

Eco gauge enables economic operation of machines. The gauge level and color displays engine torque and fuel efficiency level. On top of that, the status of fuel consumption such as average rate and the total amount of fuel consumed is displayed. Hourly and daily based fuel consumption can be checked in the detailed menu as well.



#### Fuel Rate Information

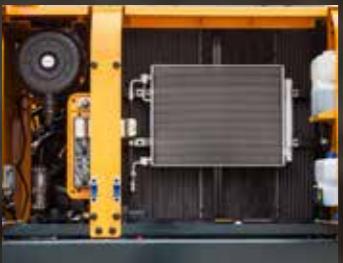
Operator can easily check average fuel rate and hourly or daily record also on the cluster.

\*The images in this catalog are intended to help understand the features. The values in the images may differ from the actual information.



#### New Cooling System with Increased Air Flow

With the three-floor vertically placed cooling module improving air inflow, HX Series provides excellent cooling performance by increasing heat dissipation and can be easily cleaned.



#### Enlarged Air Inlet with Grill Cover

Enlarged vent hole of the air inlet side cover and fine net grill to prevent penetration of foreign materials further improve durability.



#### New Variable Power Control

HX Series minimizes equipment input and output control signals to improve fuel efficiency. Its three-stage power mode ensures the highest performance in any operating environment.



\* P(power) mode : Maximizes speed and power of the equipment for heavy load work.



\* S(standard) mode : Optimizes performance and fuel efficiency of the equipment for general load work.



\* E(economy) mode : Improves the control system for light load work.

#### BETTER FUEL-EFFICIENCY

(Compared to 9 Series)

Truck Loading

7 %  
↑

Leveling

5 %  
↑

Daily Fuel Efficiency

8 %  
↑



# WORK MAX, WORTH MAX

#### Fuel Efficient System Allows Great Performance

HX Series has an eco-friendly, high-performance engine which ensures both excellent fuel efficiency and high power. With outstanding operating performance proven by rigorous tests at various work sites, it will satisfy any customer's needs.

\* Photo may include optional equipment.



# MORE RELIABLE, MORE SUSTAINABLE

## New Exterior Design for Robustness and Safety

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



\* Photo may include optional equipment.



We make the best performance in rough working conditions without any unsureness with trustworthy HX220L.



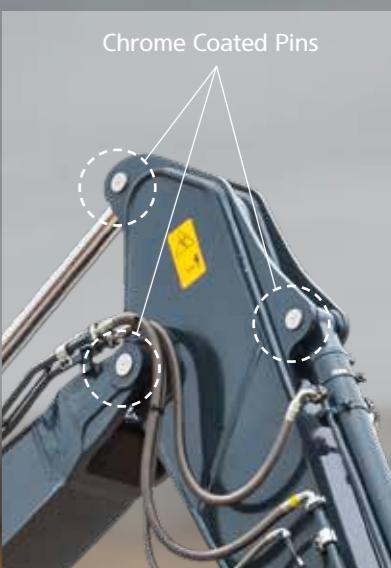
## Durable Cooling Module

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



## Reinforced Durability of Upper and Lower Structure and Attachments

The upper and lower structure and attachments of HX 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.



## Reinforced Pins, Bushing, and Polymer Shims

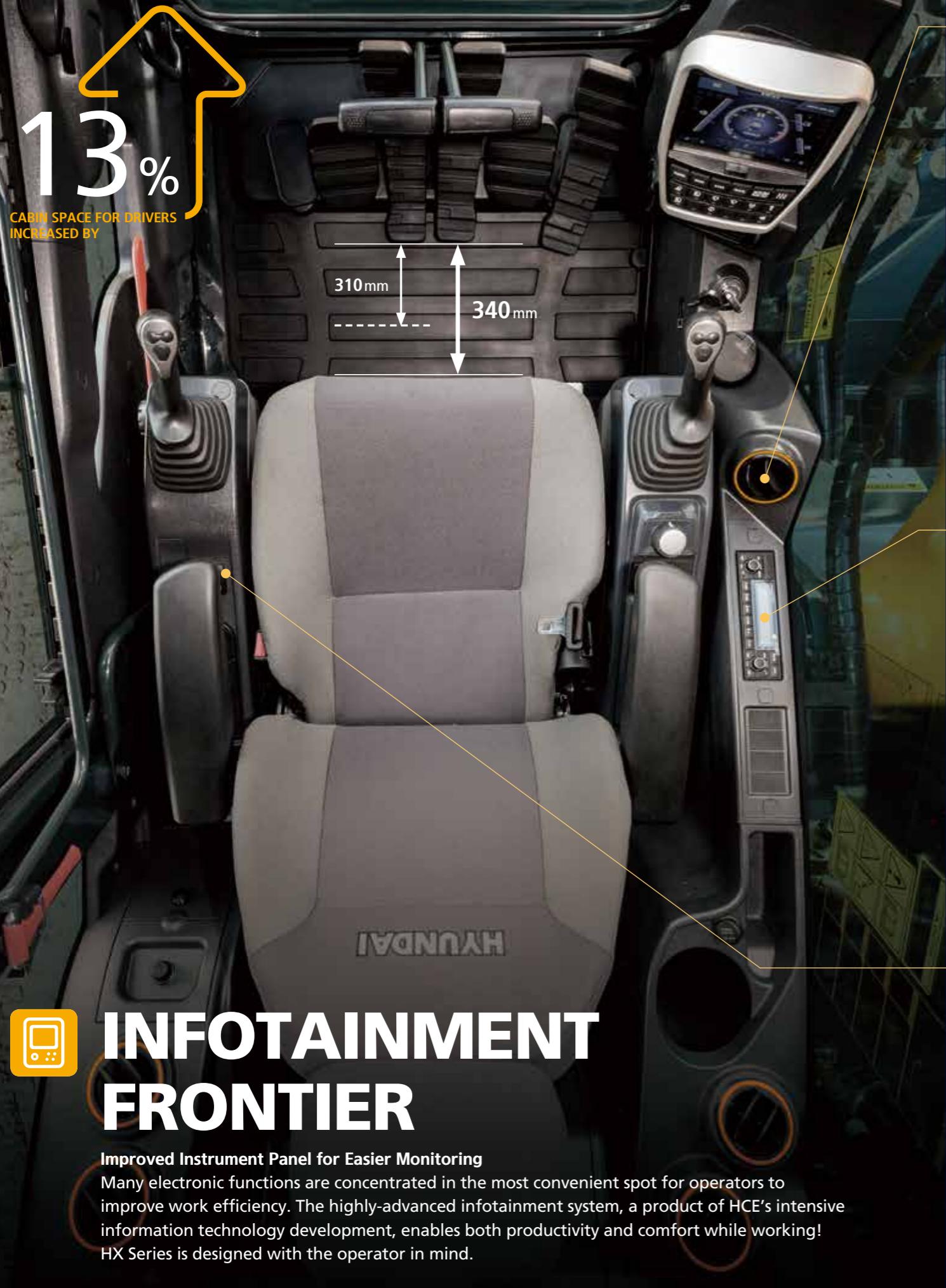
HX Series improves lubricity of connecting parts between the equipment and attachments. Gaps with attachments are minimized by wear-resistant long-life pins, bushes, and polymer shims, supporting the highest performance with invariable durability.

## Wear Resistant Cover Plate

A wear-resistant cover plate is installed at the end of the arm to minimize abrasion on the connector between the arm and the bucket. Vibration reduction of buckets enables more stable operation even in high-load work.

## Hi-grade (High-pressure) Hoses

HX Series uses high-pressure hoses with improved heat and pressure resistance, greatly increasing the durability of the equipment.



## INFOTAINMENT FRONTIER

### Improved Instrument Panel for Easier Monitoring

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 Series is designed with the operator in mind.

\* Photo may include optional equipment.

### New Front Side Air-conditioning System

The ventilation is designed for both warm and cool air reaching to operator's faces. It could help operators create more neat and enjoyable atmosphere through indoor air circulation.



### New 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.



### Quick Coupler Button Option

Easy attachment replacement of equipment is available with quick coupler button.



### 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.)



### 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.



### Intelligent and Wide Cluster

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



### New Air Conditioning System

Front side Air Vent holes make operators more convenient and fresh through direct air flow to driver's face, foot and body.





# MODERN COMFORT, SIMPLE AND SAFE SOLUTION

## New Cabin for More Comfort

Low noise, low vibration, and ergonomic design make the cabin space more comfortable and pleasant! With focus on safety and convenience of operators, HX Series allows rapid and safe equipment inspection anytime and anywhere, providing an optimal environment for operators to work.



\*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 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.



**HX220L with advanced technology ensures our safety on a construction site.**



HX 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 Series reflects customers' needs in the field gleaned by thorough monitoring.

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

HX 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).



### Swing Lock System Option

Swing lock system is provided to maintain stability when swing movement needs to be limited, improving operating speed and productivity.

### Fine Swing Control Option

Fine swing control is available for customer's convenience when users want to control fine swing.

### Cabin Suspension Mount

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

# SPECIFICATIONS

ENGINE	
Maker / Model	HYUNDAI HE6.7 (Manufactured by Cummins)
Type	Turbocharged, Charged air cooled, Diesel engine
Gross Power	160 HP (119 kW) at 2,200 rpm
Net Power	157 HP (117 kW) at 2,200 rpm
Max. Power(Gross)	165 HP (123 kW) at 2,000 rpm
Peak Torque	732 N·m (540 lb·ft) at 1,400 rpm
Displacement	6,700 cc (408 cu in)

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Variable displacement tandem axis piston pumps
Max. flow	2 x 228 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/cm <sup>2</sup> (4980psi)
Travel	350 kgf/cm <sup>2</sup> (4980psi)
Power boost (boom, arm, bucket)	380 kgf/cm <sup>2</sup> (5400psi)
Swing circuit	265 kgf/cm <sup>2</sup> (3770psi)
Pilot circuit	40 kgf/cm <sup>2</sup> (570psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-Ø120x1,290 mm
	Arm: 1-Ø140x1,510 mm
	Bucket: 1-Ø120x1,055 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	21.100 kgf (46,517 lbf)
Max. travel speed (high / low)	5.6km/hr (3.48 mph) / 3.6km/hr (2.24 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

## COOLANT & LUBRICANT CAPACITY

	liter	US gal	UK gal
Fuel tank	400	106	88
Engine coolant	31	8.2	6.82
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	160	42.3	35.2

## 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.

model	HX220L	HX220
Center frame	X - leg type	X - leg type
Track frame	Pentagonal box type	Pentagonal box type
No. of shoes on each side	49 EA	46 EA
No. of carrier roller on each side	2 EA	2 EA
No. of track roller on each side	9 EA	7 EA
No. of rail guard on each side	2 EA	1 EA

## OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,680mm (18' 8") boom, 2,920mm (9' 7") arm, SAE heaped 0.92m<sup>3</sup> (1.20 yd<sup>3</sup>) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

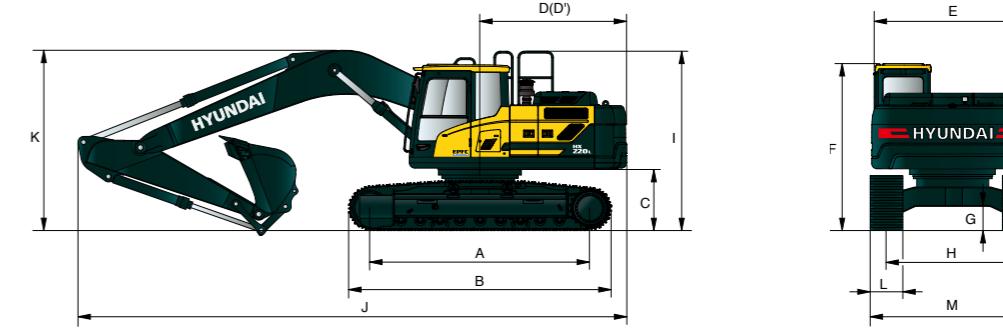
## OPERATING WEIGHT

Shoes	Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)	kgf/cm <sup>2</sup> (psi)
Triple grouser	600 (24")	HX220 L	21,970 (48,440)
		HX220 L HW	24,080 (53,090)
	700 (28")	HX220 L	22,430 (49,450)
		HX220 L HW	24,350 (53,680)
	800 (32")	HX220 L	22,710 (50,070)
		HX220 L HW	24,630 (54,300)
		HX220 L LR	24,700 (54,450)
	900 (36")	HX220 L	22,990 (50,680)
		HX220 L HW	24,910 (54,920)
	700 (28")	HX220 L HW	22,600 (49,820)
Double grouser		HX220 L HW	24,520 (54,060)

# DIMENSIONS & WORKING RANGE

## HX220 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



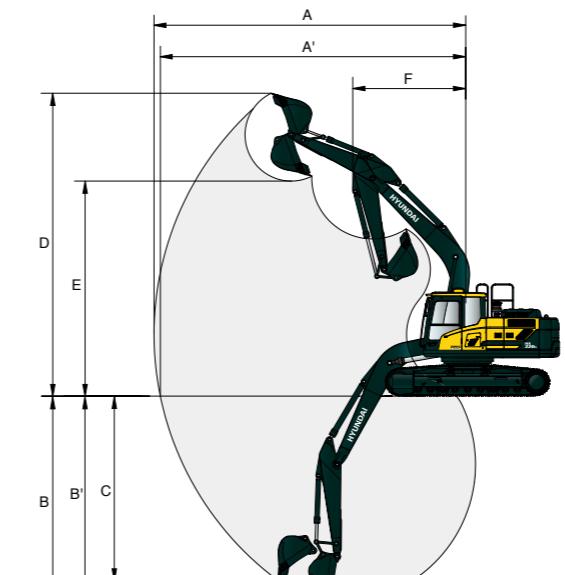
Unit : mm (ft·in)

A	Tumbler distance	3,360 (11' 0")
B	Overall length of crawler	4,170 (13' 8")
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' 10")
G	Min. ground clearance	470 (1' 7")
H	Track gauge	2,200 (7' 3")
I	Overall height of guardrail	3,210 (10' 6")

\* This figure includes the size of grouzers.

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	9,650 (31' 8")	9,570 (31' 5")	9,530 (31' 3")	9,520 (31' 3")
K	3,200 (10' 6")	3,110 (10' 2")	3,030 (9' 11")	3,480 (11' 5")
L	600 (24")	600 (24")	800 (32")	800 (32")
M	2,800 (9' 2")	2,800 (9' 2")	3,000 (9' 10")	3,000 (9' 10")

## HX220 WORKING RANGE



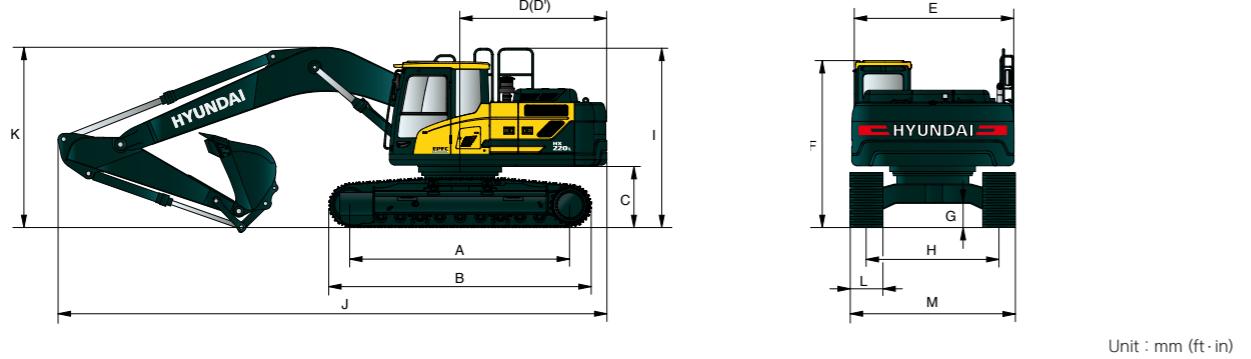
Boom length	5,680 (18' 8")			
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")

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# DIMENSIONS & WORKING RANGE

## HX220L 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



A	Tumbler distance	3,650 (12' 0")
B	Overall length of crawler	4,450 (14' 7")
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' 10")
G	Min. ground clearance	470 (1' 7")
H	Track gauge	2,390 (7' 10")
I	Overall height of guardrail	3,210 (10' 6")

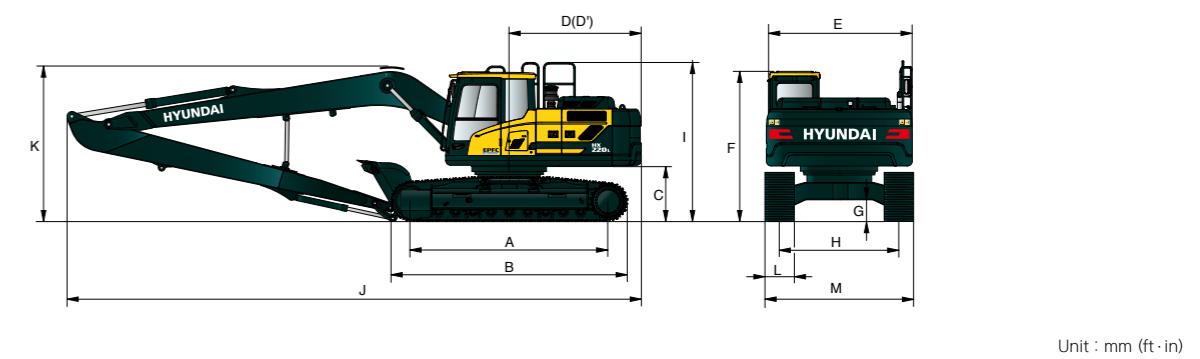
\*This figure includes the size of grousers.

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 type	Triple grouser			Double grouser
M	Track shoe width	600 (24")	700 (28")	800 (32")	900 (36")
	Overall width	2,990 (9' 10")	3,090 (10' 2")	3,190 (10' 6")	3,290 (10' 10")
					3,090 (10' 2")

Unit : mm (ft·in)

## HX220L LONG REACH

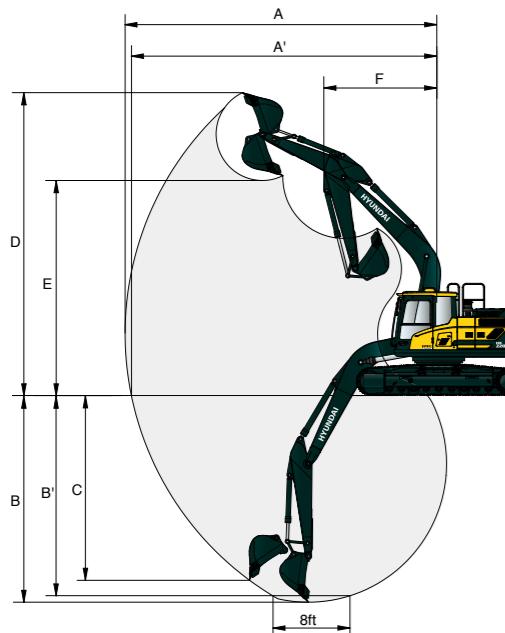
8.2 m (26' 11") BOOM and 6.3 m (20' 8") ARM



A	Tumbler distance	3,650 (12' 0")
B	Overall length of crawler	4,450 (14' 7")
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' 10")
G	Min. ground clearance	470 (1' 7")
H	Track gauge	2,390 (7' 10")
I	Overall height of guardrail	3,210 (10' 6")

\*This figure includes the size of grousers.

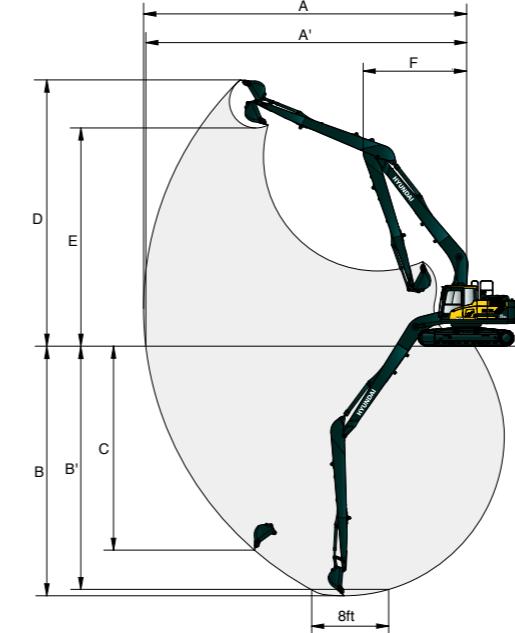
## HX220L WORKING RANGE



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")	3,740 (12' 3")	3,650 (12' 0")

Unit : mm (ft·in)

## HX220L LONG REACH WORKING RANGE



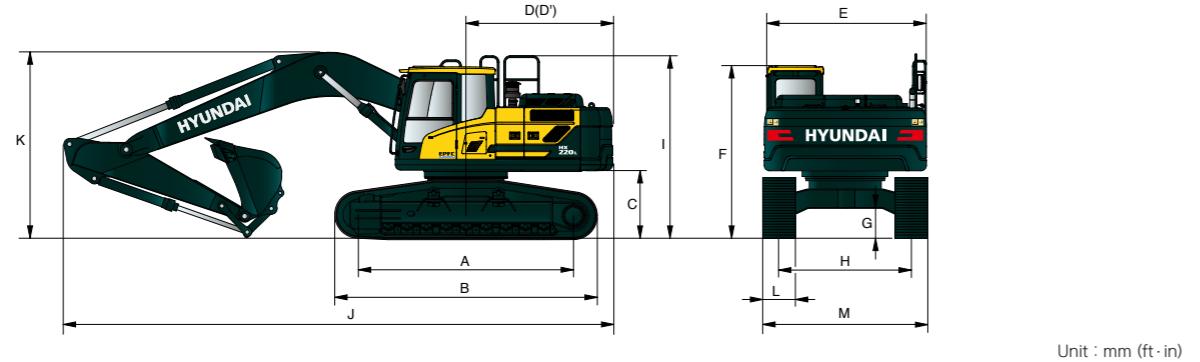
Boom length		8,200 (26' 11")
Arm length		6,300 (20' 8")
A	Max. digging reach	15,220 (50' 0")
A'	Max. digging reach on ground	15,120 (49' 7")
B	Max. digging depth	11,760 (38' 7")
B'	Max. digging depth (8' level)	11,650 (38' 3")
C	Max. vertical wall digging depth	9,610 (31' 6")
D	Max. digging height	12,550 (41' 2")
E	Max. dumping height	10,280 (33' 8")
F	Min. swing radius	4,870 (16' 0")

Unit : mm (ft·in)

## DIMENSIONS & WORKING RANGE

### HX220L HIGH WALKER DIMENSIONS

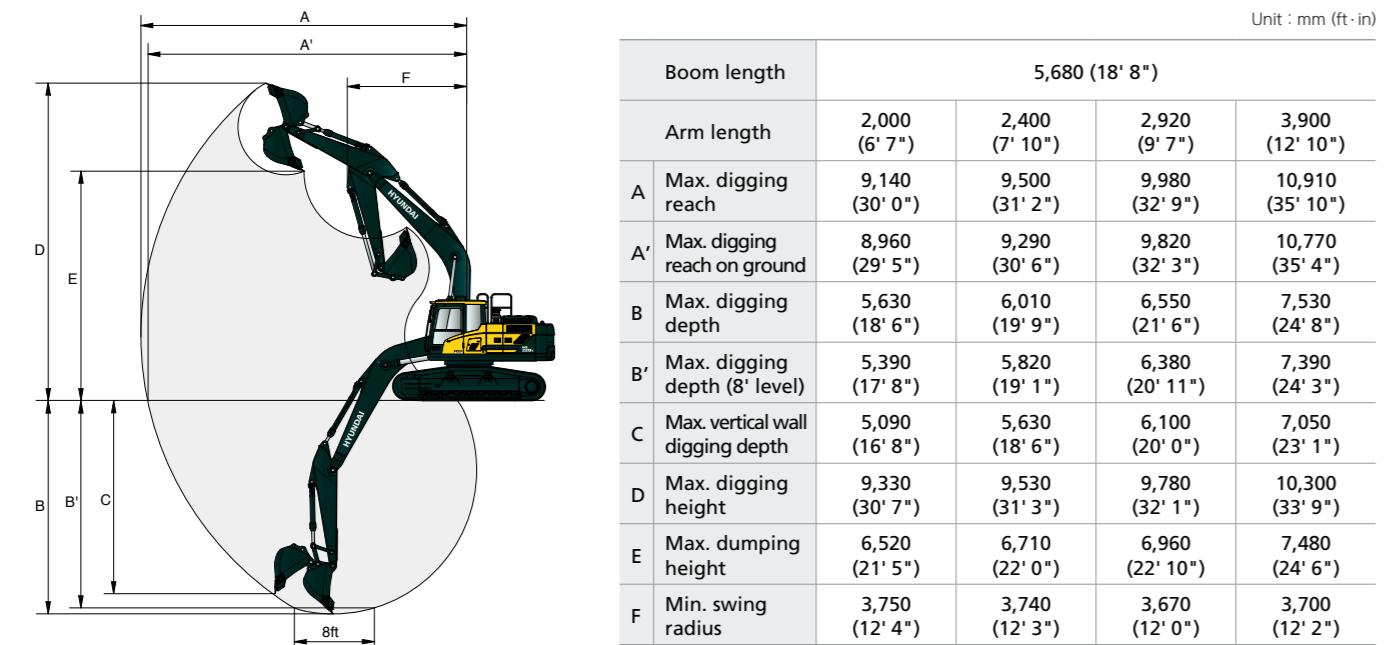
5.68 m (18' 8") BOOM and 2.0 m (6' 7"), 2.4 m (7' 10"), 2.92 m (9' 7"), 3.9 m (12' 10") ARM



A	Tumbler distance	3,650 (12' 0")
B	Overall length of crawler	4,450 (14' 7")
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' 6")
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.

### HX220L HIGH WALKER WORKING RANGE



## LIFTING CAPACITY

Rating over-front   Rating over-side or 360 degree

### HX220 L

5.68 m (18' 8") Mono boom, 2.00 m (6' 7") arm and 600mm(24") Triple grouser shoe.

Load point height m (ft)	kg	Lift-point radius				At max. reach	
		3.0m (9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	7.5m (24.6ft)	Capacity	Reach
7.5m 24.6ft	kg lb					*5,720 *12,610	5.00 (16.4)
6.0m 19.7ft	kg lb			*5,470 *12,060	5,190 11,440	*5,540 *12,210	4,720 10,410
4.5m 14.8ft	kg lb		*6,900 *15,210	*5,820 *12,830	5,070 11,180	*5,580 *12,300	3,860 8,510
3.0m 9.8ft	kg lb		*8,710 *19,200	*6,560 *14,460	4,850 10,690	5,340 11,900	3,460 7,720
1.5m 4.9ft	kg lb			*7,280 *16,050	4,650 10,250	5,310 11,710	3,420 7,540
0.0m 0.0ft	kg lb	*10,550 *23,260	6,770 14,930	7,250 15,980	4,540 10,010		5,340 11,770
-1.5m -4.9ft	kg lb		*10,260 *22,620	6,790 14,970	7,240 15,960	4,530 9,990	5,960 13,140
-3.0m -9.8ft	kg lb	*12,440 *27,430	*12,440 *27,430	*9,170 *20,220	6,920 15,260		*6,700 *14,770
							4,760 10,490
							(19.4)

5.68 m (18' 8") Mono boom, 2.40 m (7' 10") arm and 600 mm (24") triple grouser shoe.

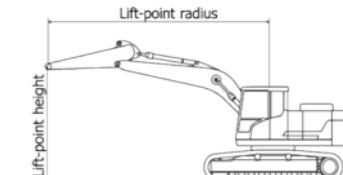
Load point height m (ft)	kg	Lift-point radius				At max. reach	
		3.0m (9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	7.5m (24.6ft)	Capacity	Reach
7.5m 24.6ft	kg lb					*5,080 *11,200	5.58 (18.3)
6.0m 19.7ft	kg lb			*4,910 *10,820	*4,910 *10,820	*4,610 *10,160	4,150 9,150
4.5m 14.8ft	kg lb		*6,210 *13,690	*5,360 *11,820	5,000 11,020	3,520 *11,000	3,480 7,670
3.0m 9.8ft	kg lb		*8,050 *17,750	*6,170 16,010	4,790 *13,600	3,450 10,560	3,160 11,790
1.5m 4.9ft	kg lb		*9,670 *21,320	*7,000 15,150	4,600 *15,430	3,270 10,140	3,070 11,620
0.0m 0.0ft	kg lb		*10,430 *22,990	6,730 14,840	7,210 15,900	4,920 9,900	3,150 11,510
-1.5m -4.9ft	kg lb	*10,820 *23,850	*10,400 *22,930	6,750 14,880	7,200 15,870	4,490 9,900	3,480 12,020
-3.0m -9.8ft	kg lb	*13,460 *29,670	*9,600 *21,160	6,900 15,210	*7,040 *15,520	4,610 10,160	4,250 14,070
-4.5m -14.8ft	kg lb			*7,300 *16,090	7,250 15,980		6,460 14,240
							4,89 (16.0)

1. Lifting capacity are based on ISO 10567.

2. Lifting capacity of HX 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.

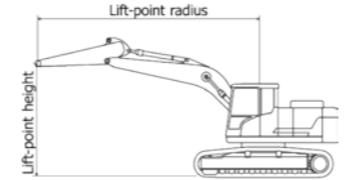


# LIFTING CAPACITY

Rating over-front      Rating over-side or 360 degree

HX220 L													
Load 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)		Capacity	Reach
7.5m 24.6ft	kg lb							*4,440 *9,790	*4,440 *9,790			*3,370 *7,430	*3,370 *7,430 (20.5)
6.0m 19.7ft	kg lb							*4,340 *9,570	*4,340 *9,570			*3,100 *6,830	*3,100 *6,830 (24.2)
4.5m 14.8ft	kg lb							*4,850 *10,690	*4,850 *10,690	*4,640 *10,230	3,530 7,780	*3,020 *6,660	*3,020 *6,660 (26.5)
3.0m 9.8ft	kg lb							*7,270 *16,030	*7,270 *16,030	*5,700 *12,570	4,800 105,80	*5,010 *11,050	3,430 7,560
1.5m 4.9ft	kg lb							*9,050 *19,950	6,880 15,170	*6,610 *14,570	4,570 10,080	5,230 11,530	3,320 7,320
0.0m 0.0ft	kg lb							*5,920 *13,050	*5,920 *13,050	*10,100 *22,270	6,650 14,660	7,150 15,760	4,430 9,770
-1.5m -4.9ft	kg lb							*10,390 *14,330	*10,390 *14,330	*10,360 *22,910	6,610 14,570	7,100 15,650	4,380 9,660
-3.0m -9.8ft	kg lb							*11,110 *24,490	*11,110 *24,490	*14,290 *31,500	13,180 29,060	*9,870 *21,760	6,720 14,820
-4.5m -14.8ft	kg lb							*11,780 *25,970	*11,780 *25,970	*8,290 *18,280	6,980 15,390		*6,160 *13,580
												5,080 11,200	5.66 (18.6)

5.68 m (18' 8") Mono boom, 3.90 m (12' 9") arm and 600mm(24") Triple grouser shoe.													
Load point height m (ft)		Lift-point radius						At max. reach					
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach
7.5m 24.6ft	kg lb											*2,330 *5,140	*2,330 *5,140 (24.6)
6.0m 19.7ft	kg lb											*3,610 *7,960	*3,610 *7,960
4.5m 14.8ft	kg lb											*3,850 *8,490	3,570 7,870
3.0m 9.8ft	kg lb											*4,780 *5,140	*2,330 *5,140
1.5m 4.9ft	kg lb											*4,670 *4,670	*2,120 *4,670 (29.7)
0.0m 0.0ft	kg lb											*5,750 *12,680	*5,750 *12,680
-1.5m -4.9ft	kg lb											*4,760 *10,560	*4,760 *10,560
-3.0m -9.8ft	kg lb											*9,520 *9,520	7,560 7,800
-4.5m -14.8ft	kg lb											*2,150 *4,740	*2,150 *4,740 (30.7)



- Lifting capacity are based on ISO 10567.
- Lifting capacity of 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.

HX220 HW													
Load 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		
7.5m 24.6ft	kg lb											*5,550 *12,240	*5,550 *12,240 (17.2)
6.0m 19.7ft	kg lb											*5,380 *11,860	*5,380 *11,860
4.5m 14.8ft	kg lb											*7,010 *15,450	*7,010 *15,450
3.0m 9.8ft	kg lb											*8,860 *19,530	7,560 16,670
1.5m 4.9ft	kg lb											*7,330 *16,160	4,900 10,800
0.0m 0.0ft	kg lb											*10,560 *23,280	7,220 15,920
-1.5m -4.9ft	kg lb											*12,460 *27,470	*10,210 *22,510
-3.0m -9.8ft	kg lb											*16,760 *27,010	4,870 10,740

5.68 m (18' 8") Mono boom, 2.40 m (7' 10") arm and 600mm(24") Triple grouser shoe.													
Load 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		
7.5m 24.6ft	kg lb											*4,980 *10,980	*4,980 *10,980 (19.0)
6.0m 19.7ft	kg lb											*4,940 *10,890	*4,940 *10,890
4.5m 14.8ft	kg lb											*6,440 *14,200	*6,440 *14,200
3.0m 9.8ft	kg lb											*8,310 *18,320	7,640 16,840
1.5m 4.9ft	kg lb											*9,830 *21,670	7,280 16,050
0.0m 0.0ft</td													

# LIFTING CAPACITY



### Rating over-front



→ Rating over-side or 360 degree

## HX220L LONG REACH

8.2 m (26' 11") Mono boom, 6.30 m (20' 8") arm and 800mm(32") Triple grouser shoe.

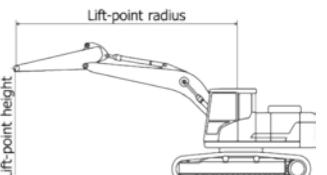
Lift-point radius								At max. reach		
9.0m (29.5ft)		10.5m (34.4ft)		12.0m (39.4ft)		13.5m (44.3ft)		Capacity		Reach
										m (ft)
		*1,190	*1,190					*880	*880	10.88
		*2,620	*2,620					*1,940	*1,940	(35.7)
								*830	*830	11.94
								*1,830	*1,830	(39.2)
		*1,880	*1,880	*1,420	*1,420			*800	*800	12.74
		*4,140	*4,140	*3,130	*3,130			*1,760	*1,760	(41.8)
		*2,000	*2,000	*1,790	*1,790			*800	*800	13.31
		*4,410	*4,410	*3,950	*3,950			*1,760	*1,760	(43.7)
*2,300	*2,300	*2,190	*2,190	*2,090	1,990	*1,060	*1,060	*810	*810	13.70
*5,070	*5,070	*4,830	*4,830	*4,610	4,390	*2,340	*2,340	*1,790	*1,790	(45.0)
*2,640	*2,640	*2,420	*2,420	*2,270	1,910	*1,340	*1,340	*840	*840	13.92
*5,820	*5,820	*5,340	*5,340	*5,000	4,210	*2,950	*2,950	*1,850	*1,850	(45.7)
*3,010	2,930	*2,660	2,290	*2,440	1,820	*1,500	1,450	*880	*880	13.97
*6,640	6,460	*5,860	5,050	*5,380	4,010	*3,310	3,200	*1,940	*1,940	(45.8)
*3,360	2,730	*2,910	2,160	*2,600	1,730	*1,480	1,400	*950	*950	13.85
*7,410	6,020	*6,420	4,760	*5,730	3,810	*3,260	3,090	*2,090	*2,090	(45.5)
*3,660	2,580	*3,120	2,050	*2,740	1,660	*1,180	*1,180	*1,050	*1,050	13.57
*8,070	5,690	*6,880	4,520	*6,040	3,660	*2,600	*2,600	*2,310	*2,310	(44.5)
*3,880	2,470	*3,280	1,980	2,710	1,620			*1,190	*1,190	13.11
*8,550	5,450	*7,230	4,370	5,970	3,570			*2,620	*2,620	(43.0)
*4,000	2,420	3,250	1,950	*2,390	1,610			*1,400	*1,400	12.45
*8,820	5,340	7,170	4,300	*5,270	3,550			*3,090	*3,090	(40.9)
*3,970	2,420	3,260	1,960					*1,730	*1,730	11.56
*8,750	5,340	7,190	4,320					*3,810	*3,810	(37.9)
*3,740	2,490							*2,310	2,080	10.37
*8,250	5,490							*5,090	4,590	(34.0)
								*3,200	2,750	8.77
								*7,050	6,060	(28.8)

1. Lifting capacity are based on ISO 10567.

1. Lifting capacity are based on ISO 10507.
2. Lifting capacity of the ROBEX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook located on the back of the bucket.

4 (\*) indicates load limited by hydraulic capacity



## LIFTING CAPACITY

 Rating over-front     Rating over-side or 360 degree

## HX220L HW LONG REACH

8.2 m (26' 11") Mono boom, 6.30 m (20' 8") arm and 800mm(32") Triple grouser shoe.

Load point height m (ft)		Lift-point radius									
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)	
10.5m 34.4ft	kg lb										
9.0m 29.5ft	kg lb										
7.5m 24.6ft	kg lb										
6.0m 19.7ft	kg lb										
4.5m 14.8ft	kg lb										
3.0m 9.8ft	kg lb							*3,700 *8,160	*3,700 *8,160	*3,070 *6,770	*3,070 *6,770
1.5m 4.9ft	kg lb			*2,610 *5,750	*2,610 *5,750	*6,580 *14,510	*6,580 *14,510	*4,620 *10,190	*4,620 *10,190	*3,640 *8,020	*3,640 *8,020
0.0m 0.0ft	kg lb			*2,470 *5,450	*2,470 *5,450	*6,050 *13,340	*6,050 *13,340	*5,390 *11,880	4,890 10,780	*4,140 10,780	3,620 *9,130
-1.5m -4.9ft	kg lb	*2,120 *4,670	*2,120 *4,670	*3,080 *6,790	*3,080 *6,790	*5,630 *12,410	*5,630 *12,410	*5,940 *13,100	4,590 10,120	*4,550 *10,030	3,400 7,500
-3.0m -9.8ft	kg lb	*3,000 *6,610	*3,000 *6,610	*3,940 *8,690	*3,940 *8,690	*6,160 *13,580	*6,160 *13,580	*6,250 *13,780	4,430 9,770	*4,820 *10,630	3,270 7,210
-4.5m -14.8ft	kg lb	*3930 *8,660	*3,930 *8,660	*4,950 *10,910	*4,950 *10,910	*7,190 *15,850	6,660 14,680	*6,340 *13,980	4,380 9,660	*4,930 *10,870	3,220 7,100
-6.0m -19.7ft	kg lb	*4,960 *10,930	*4,960 *10,930	*6,160 *13,580	*6,160 *13,580	*8,350 *18,410	6,770 14,930	*6,210 *13,690	4,420 9,740	*4,870 *10,740	3,230 7,120
-7.5m -24.6ft	kg lb	*6,130 *13,510	*6,130 *13,510	*7,650 *16,870	*7,650 *16,870	*7,700 *16,980	6,980 15,390	*5,810 *12,810	4,550 10,030	*4,580 *10,100	3,320 7,320
-9.0m -29.5ft	kg lb			*9,270 *20,440	*9,270 *20,440	*6,570 *14,480	*6,570 *14,480	*5,010 *11,050	4,770 10,520	*3,890 *8,580	3,500 7,720

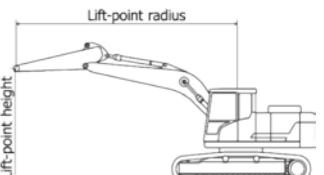
Lift-point radius								At max. reach		
9.0m (29.5ft)		10.5m (34.4ft)		12.0m (39.4ft)		13.5m (44.3ft)		Capacity		Reach
										m (ft)
										
		*1,300 *2,870	*1,300 *2,870					*870 *1,920	*870 *1,920	11.05 (36.2)
				*890 *1,960	*890 *1,960			*820 *1,810	*820 *1,810	12.07 (39.6)
		*1,890 *4,170	*1,890 *4,170	*1,480 *3,260	*1,480 *3,260			*800 *1,760	*800 *1,760	12.83 (42.1)
		*2,030 *4,480	*2,030 *4,480	*1,830 *4,030	*1,830 *4,030			*800 *1,760	*800 *1,760	13.38 (43.9)
*2,350	*2,350	*2,220	*2,220	*2,130	2,040	*1,110	*1,110	*810	*810	13.74
*5,180	*5,180	*4,890	*4,890	*4,700	4,500	*2,450	*2,450	*1,790	*1,790	(45.1)
*2,700	*2,700	*2,450	*2,450	*2,290	1,960	*1,370	*1,370	*840	*840	13.93
*5,950	*5,950	*5,400	*5,400	*5,050	4,320	*3,020	*3,020	*1,850	*1,850	(45.7)
*3,060	2,990	*2,700	2,350	*2,460	1,870	*1,510	1,500	*890	*890	13.96
*6,750	6,590	*5,950	5,180	*5,420	4,120	*3,330	3,310	*1,960	*1,960	(45.8)
*3,410	2,800	*2,940	2,220	*2,620	1,790	*1,460	1,460	*970	*970	13.82
*7,520	6,170	*6,480	4,890	*5,780	3,950	*3,220	3,220	*2,140	*2,140	(45.4)
*3,700	2,650	*3,150	2,120	*2,760	1,720	*1,110	*1,110	*1,070	*1,070	13.52
*8,160	5,840	*6,940	4,670	*6,080	3,790	*2,450	*2,450	*2,360	*2,360	(44.4)
*3,910	2,550	*3,290	2,050	2,790	1,680			*1,220	*1,220	13.03
*8,620	5,620	*7,250	4,520	6,150	3,700			*2,690	*2,690	(42.8)
*4,000	2,500	3,340	2,020	*2,210	1,680			*1,440	*1,440	12.34
*8,820	5,510	7,360	4,450	*4,870	3,700			*3,170	*3,170	(40.5)
*3,960	2,520	*3,260	2,050					*1,790	*1,790	11.41
*8,730	5,560	*7,190	4,520					*3,950	*3,950	(37.4)
*3,680	2,600							*2,430	2,230	10.18
*8,110	5,730							*5,360	4,920	(33.4)
								*3,220	2,990	8.50
								*7,100	6,590	(27.9)

1. Lifting capacity are based on ISO 10567.

1. Lifting capacity are based on ISO 10507.
2. Lifting capacity of the ROBEX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook located on the back of the bucket.

4. (\*) indicates load limited by hydraulic capacity.



# LIFTING CAPACITY

Rating over-front      Rating over-side or 360 degree

**HX220 HW**

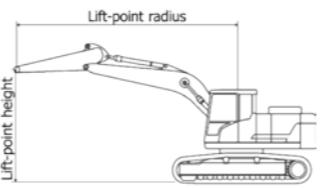
5.68 m (18' 8") Mono boom, 2.92 m (9' 7") arm and 600mm(24") Triple grouser shoe.

Load point height m (ft)	kg lb	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)		Capacity	Reach						
		1.5m (4.9ft)	3.0m (9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	7.5m (24.6ft)						m (ft)							
7.5m	kg							*4,360	*4,360			*3,310	*3,310	6.45					
24.6ft	lb							*9,610	*9,610			*7,300	*7,300	(21.2)					
6.0m	kg							*4,380	*4,380	*3,070	*3,070	*3,080	*3,080	7.50					
19.7ft	lb							*9,660	*9,660	*6,770	*6,770	*6,790	*6,790	(24.6)					
4.5m	kg							*4,960	*4,960	*4,680	3,750	*3,020	*3,020	8.14					
14.8ft	lb							*10,930	*10,930	*10,320	8,270	*6,660	*6,660	(26.7)					
3.0m	kg							*7,540	*7,540	*5,830	5,070	*3,070	3,030	8.46					
9.8ft	lb							*16,620	*16,620	*12,850	11,180	*11,180	8,020	*6,810	6,680	(27.7)			
1.5m	kg							*9,250	7,270	*6,720	4,850	*5,530	3,540	*3,290	2,960	8.50			
4.9ft	lb							*20,390	16,030	*14,820	10,690	*12,190	7,800	*7,250	6,530	(27.9)			
0.0m	kg							*6,490	*6,490	*10,180	7,070	*7,360	4,720	5,470	3,480	*3,650	3,050	8.27	
0.0ft	lb							*14,310	*14,310	*22,440	15,590	*16,230	10,410	12,060	7,670	*8,050	6,720	(27.1)	
-1.5m	kg	*7,130	*7,130	*11,120	*11,120	*10,340	7,060	7,560	4,690	5,480	3,490	*4,320	3,350	7.75					
-4.9ft	lb	*15,720	*15,720	*24,520	*24,520	*22,800	15,560	16,670	10,340	12,080	7,690	*9,520	7,390	(25.4)					
-3.0m	kg	*11,830	*11,830	*14,040	*14,040	*9,740	7,190	*7,170	4,770			*5,680	4,030	6.85					
-9.8ft	lb	*26,080	*26,080	*30,950	*30,950	*21,470	15,850	*15,810	10,520			*12,520	8,880	(22.5)					
-4.5m	kg			*11,260	*11,260	*7,900	7,480					*6,170	5,800	5.40					
-14.8ft	lb			*24,820	*24,820	*17,420	16,490					*13,600	12,790	(17.7)					

5.68 m (18' 8") Mono boom, 3.90 m (12' 10") arm and 600mm(24") Triple grouser shoe.

Load point height m (ft)	kg lb	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)		Capacity	Reach							
		1.5m (4.9ft)	3.0m (9.8ft)	4.5m (14.8ft)	6.0m (19.7ft)	7.5m (24.6ft)						m (ft)								
7.5m	kg							*2,780	*2,780			*2,300	*2,300	7.65						
24.6ft	lb							*6,130	*6,130			*5,070	*5,070	(25.1)						
6.0m	kg							*3,620	*3,620			*2,160	*2,160	8.55						
19.7ft	lb							*7,980	*7,980			*4,760	*4,760	(28.0)						
4.5m	kg							*4,000	*4,000	*3,900	3,780	*2,570	*2,570	*2,120	*2,120	9.11				
14.8ft	lb							*8,820	*8,820	*8,600	8,330	*5,670	*5,670	*4,670	*4,670	(29.9)				
3.0m	kg							*8,930	*8,930	*6,040	*6,040	*4,930	*4,930	*3,640	2,720	*2,160	*2,160	9.40		
9.8ft	lb							*19,690	*19,690	*13,320	*13,320	*10,870	*10,870	*9,700	8,020	*4,760	*4,760	(30.8)		
1.5m	kg							*7,880	*7,880	*8,010	7,370	*5,950	4,850	*4,960	3,500	*4,110	2,650	*2,270	*2,270	9.44
4.9ft	lb							*17,370	*17,370	*17,660	16,250	*13,120	10,690	*10,930	7,720	*9,060	5,840	*5,000	*5,000	(31.0)
0.0m	kg							*7,400	*7,400	*9,430	7,000	*6,810	4,640	5,380	3,380	*3,750	2,610	*2,480	*2,480	9.23
0.0ft	lb							*16,310	*16,310	*20,790	15,430	*15,010	10,230	11,860	7,450	*8,270	5,750	*5,470	*5,470	(30.3)
-1.5m	kg	*5,840	*5,840	*9,790	*9,790	*10,100	6,870	*7,320	4,540	5,330	3,330			*2,850	2,710					
-4.9ft	lb	*12,870	*12,870	*21,580	*21,580	*22,270	15,150	*16,140	10,010	11,750	7,340			*6,280	5,970					
-3.0m	kg	*8,990	*8,990	*13,690	*13,690	13,510	*10,050	6,910	*7,360	4,550	5,370	3,370		*3,510	3,120					
-9.8ft	lb	*19,820	*19,820	*30,180	*30,180	29,780	*22,160	15,230	*16,230	10,030	11,840	7,430		*7,740	6,880					
-4.5m	kg	*13,030	*13,030	*13,390	*13,390	*9,140	7,090	*6,630	4,700					*4,960	4,010					
-14.8ft	lb	*28,730	*28,730	*29,520	*29,520	*20,150	15,630	*14,620	10,360					*10,930	8,840					
-6.0m	kg							*6,410	*6,410											
-19.7ft	lb							*14,130	*14,130											

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of the ROBEX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The load point is a hook located on the back of the bucket.
4. (\*) indicates load limited by hydraulic capacity.



# BUCKET SELECTION GUIDE & DIGGING FORCE

**BUCKETS**

Rating over-front      Rating over-side or 360 degree

<tbl

# STANDARD / OPTION

ENGINE	STD	OPT
Hyundai HE6.7 Engine	●	
<b>HYDRAULIC SYSTEM</b>		
<b>INTELLIGENT POWER CONTROL (IPC)</b>		
3-power mode, 2-work mode, user mode	●	
Variable Power Control	●	
Pump flow control (EPIC)	●	
Attachment Mode Flow Control	●	
Engine Auto Idle	●	
Engine Auto Shutdown Control	●	
<b>CAB &amp; INTERIOR</b>		
<b>ISO STANDARD CABIN</b>		
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 windows	●	
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	●	
Pilot-operated slideable joystick	●	
Cabin lights	●	
Cabin front window rain guard	●	
Cabin roof-steel cover	●	
<b>AUTOMATIC CLIMATE CONTROL</b>		
Air conditioner & heater	●	
Defroster	●	
Starting Aid (air grid heater) for cold weather	●	
<b>CENTRALIZED MONITORING</b>		
8" LCD display - Normal type	●	
8" LCD display - Premium type		●
Engine speed or Trip meter/Accel.	●	
Engine coolant temperature gauge	●	
Max power	●	
Low speed/High speed	●	
Auto idle	●	
Overload		●
Air cleaner clogging	●	
Indicators	●	
ECO Gauges	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
Fuel warmer	●	
Warnings	●	
Communication error	●	
Low battery	●	
Clock	●	
<b>SEAT</b>		
Mechanical suspension without heater	●	
Mechanical suspension with heater	●	
Adjustable air suspension without heater	●	
Adjustable air suspension with heater	●	
<b>CABIN FOPS (ISO 10262) LEVEL 2</b>		
FOPS (Falling Object Protective Structure)-ISO 10262 Level 2	Front & Tops guard	●
	Tops guard	●
<b>CABIN ROPS</b>		
ROPS (Roll Over Protective Structures)ISO 12117-2		●

SAFETY	STD	OPT
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	●	
<b>OTHERS</b>		
<b>BOOMS</b>		
5.68m, 18' 8" Mono	●	
8.2m, 26' 11" Long reach		●
<b>ARMS</b>		
2.00m, 6' 7"		●
2.40m, 7' 10"		●
2.92m, 9' 7"	●	
2.92m, 9' 7" Heavy duty		●
3.90m, 12' 10"		●
6.30m, 20' 8" Long reach		●
Removable clean-out dust net for cooler	●	
Removable reservoir tank	●	
Fuel pre-filter	●	
Fuel warmer	●	
Fuel warmer- Dual		●
Self-diagnostics system	●	
Hi-mate (Remote Management System)		●
Batteries (2 x 12V x 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		●
Accumulator for lowering work equipment	●	
Pattern change valve (2 patterns)		●
Fine Swing Control System		●
General type guardrail		●
Tool kit		●
Rain cap	●	
Pre cleaner		●
<b>COUNTERWEIGHT</b>		
3.8 ton CWT	●	
5.3 ton CWT (LR)		●
<b>UNDERCARRIAGE</b>		
Lower frame under cover (Additional)		●
Lower frame under cover (Normal)	●	
<b>TRACK SHOES</b>		
Triple grousers shoes (600mm, 24")	●	
Triple grousers shoe (700mm, 28")		●
Triple grousers shoe (800mm, 32")		●
Triple grousers shoe (900mm, 36")		●
Double grousers shoe (700mm, 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.

# MEMO