



▲ HYUNDAI CONSTRUCTION EQUIPMENT

Head Office(Sales Office)

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PLEASE CONTACT

2020. MAR

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

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

Bucket Capacity
0.92 ~ 1.34m³

Operating Weight
21,970 kg / 48,440 lb

HX220L

With Tier 3 / Stage IIIA Engine Installed



Photo may include optional equipment.

RULE THE GROUND

HX Series exceeds customer's expectation!
Become a true leader on the ground with HCE's HX series.

WORK MAX, WORTH MAX

- IPC (Intelligent Power Control) **Upgrade**
- 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**
- Quick Coupler Button **Option**
- New Front Side Air-conditioning System
- Intelligent and Wide Cluster
- New Air Conditioning System
- New Audio System



HX220L

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



* Photo may include optional equipment.

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.

IPC (Intelligent Power Control)

Upgrade

HX-LT3 Series adopts the upgraded IPC system. It is able to optimize pump flow rate and power at the various working condition through the individual pump control. Furthermore, optimized design of MCV and pipe line minimizes energy loss such as conflux and throttle loss.



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.

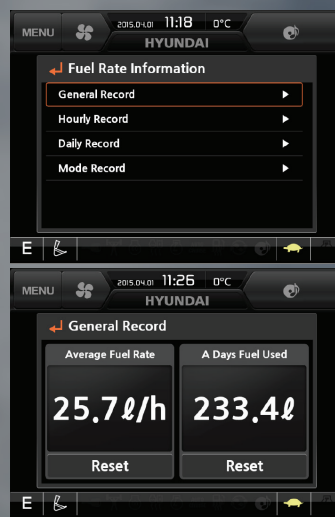


Eco Gauge

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.

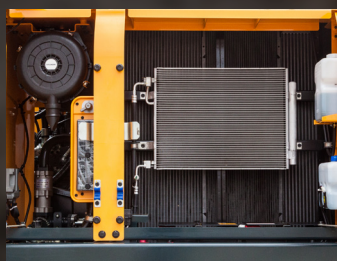


Fuel Rate Information



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.

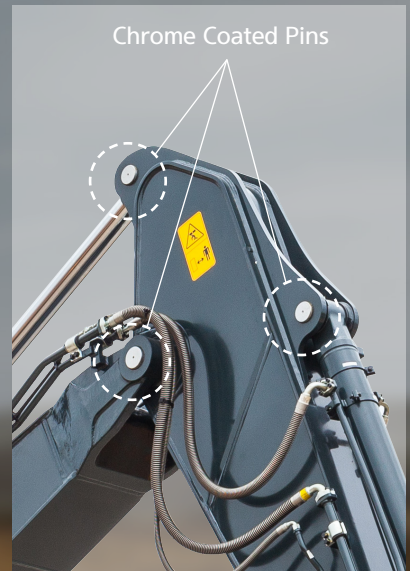
Reinforced Durability of Upper and Lower Structure and Attachments

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.



13%

CABIN SPACE FOR DRIVERS
INCREASED BY
(compared to the previous model)

310mm

340mm



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 smart-phone 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.

HiMATE

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 Geo-fence boundary, you will get alerts.



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

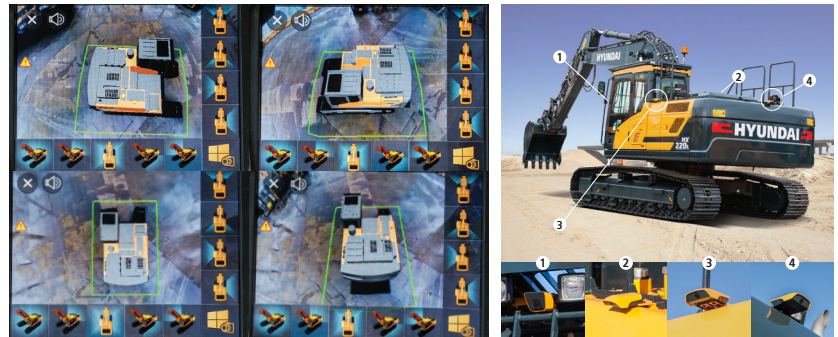


HX Series excavators are products of HCE's spirit of initiative, creativity, and strong drive. HCE engineers, who are the best in the industry, have worked tirelessly to offer a zero-defect product. The new HX Series reflects customers' needs in the field gleaned by thorough monitoring.

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 ² (4980psi)
Travel	350 kgf/cm ² (4980psi)
Power boost (boom, arm, bucket)	380 kgf/cm ² (5400psi)
Swing circuit	265 kgf/cm ² (3770psi)
Pilot circuit	40 kgf/cm ² (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)

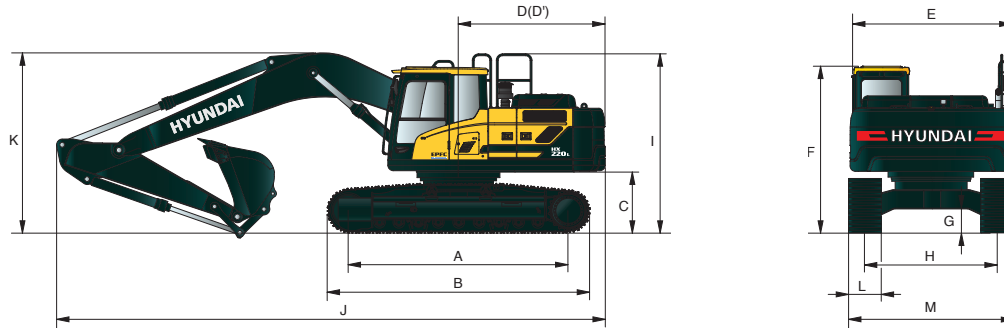
Operating weight, including 5,680mm (18' 8") boom, 2,920mm (9' 7") arm, SAE heaped 0.92m³ (1.20 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

OPERATING WEIGHT				
Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf/cm ² (psi)
Triple grouser	600 (24")	HX220 L	21,970 (48,440)	0.47 (6.67)
		HX220 L HW	24,080 (53,090)	0.51 (7.31)
	700 (28")	HX220 L	22,430 (49,450)	0.41 (5.84)
		HX220 L HW	24,350 (53,680)	0.45 (6.34)
	800 (32")	HX220 L	22,710 (50,070)	0.36 (5.17)
		HX220 L HW	24,630 (54,300)	0.39 (5.61)
Double grouser	900 (36")	HX220 L LR	24,700 (54,450)	0.40 (5.62)
		HX220 L	22,990 (50,680)	0.33 (4.65)
	700 (28")	HX220 L HW	24,910 (54,920)	0.35 (5.04)
		HX220 L HW	22,600 (49,820)	0.41 (5.88)
		HX220 L HW	24,520 (54,060)	0.45 (6.38)

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)

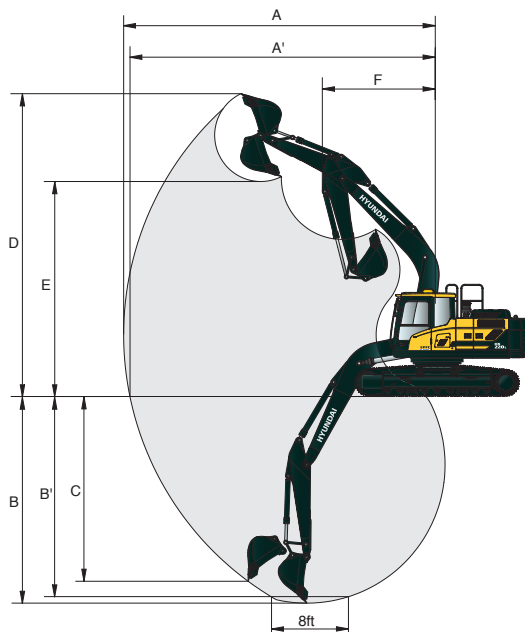
A	Tumbler distance	3,360 (11' 0")
B	Overall length of crawler	4,170 (13' 8")
C	Ground clearance of counterweight	1,060 (3' 6")
D	Tail swing radius	2,890 (9' 5")
D'	Rear-end length	2,770 (9' 1")
E	Overall width of upperstructure	2,740 (9' 0")
F	Overall height of cab	3,000 (9' 10")
G	Min. ground clearance	470 (1' 7")
H	Track gauge	2,200 (7' 3")
I	Overall height of guardrail	3,210 (10' 6")

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")		800 (32")	
M Overall width	2,800 (9' 2")		3,000 (9' 10")	

* This figure includes the size of grousers.

HX220 WORKING RANGE

Unit : mm (ft · in)

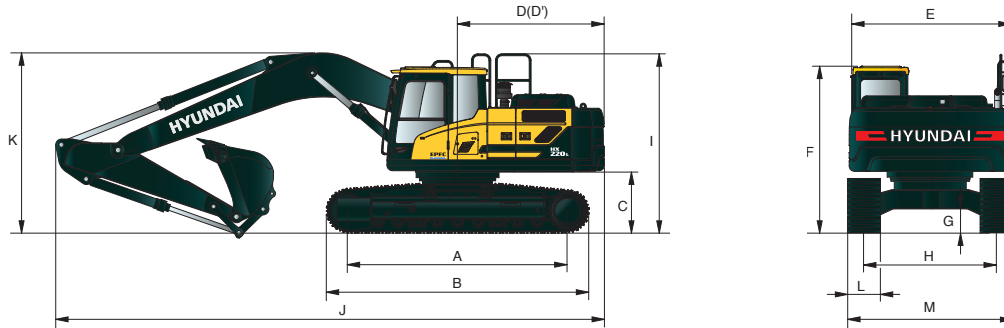


Boom length	5,680 (18' 8")			
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
A Max. digging reach	9,140 (30' 0")	9,500 (31' 2")	9,980 (32' 9")	10,910 (35' 10")
A' Max. digging reach on ground	8,960 (29' 5")	9,330 (30' 7")	9,820 (32' 3")	10,770 (35' 4")
B Max. digging depth	5,820 (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")	3,740 (12' 3")	3,650 (12' 0")

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



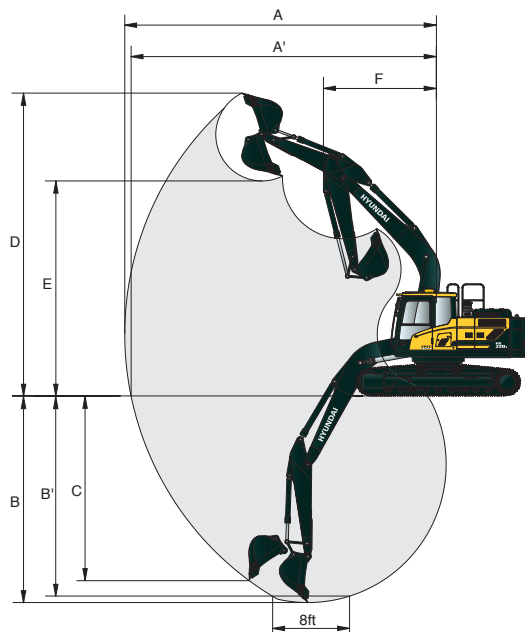
Unit : mm (ft · in)

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")

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	Triple grouser				Double grouser
		type 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")	3,090 (10' 2")

*This figure includes the size of grousers.

HX220L WORKING RANGE

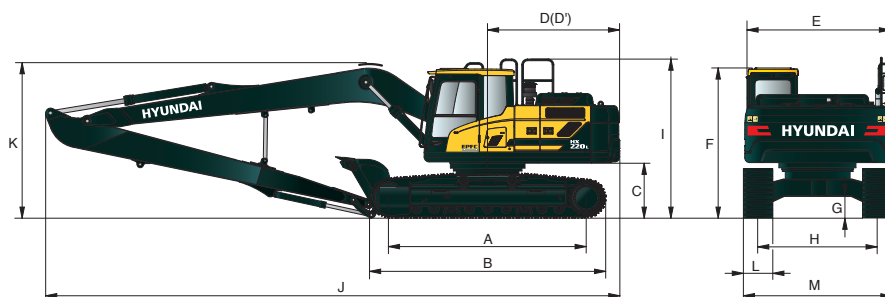


Unit : mm (ft · in)

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

HX220L LONG REACH

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



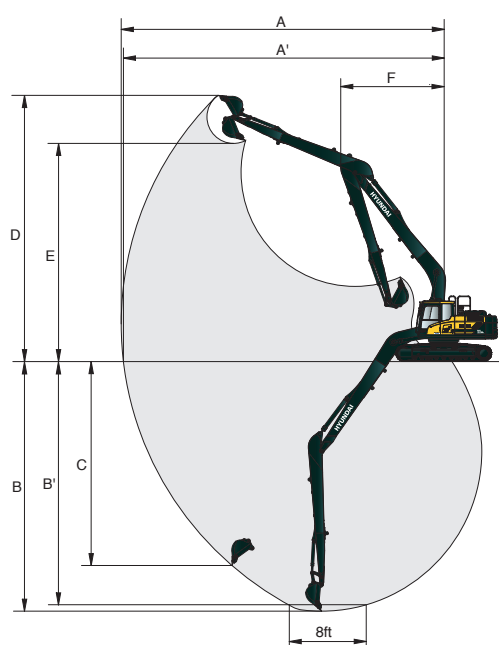
Unit : mm (ft · in)

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

	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 grouser.

HX220L LONG REACH WORKING RANGE



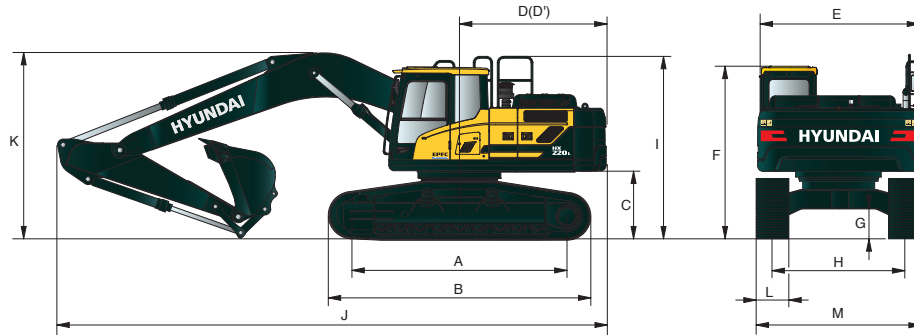
Unit : mm (ft · in)

	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")

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



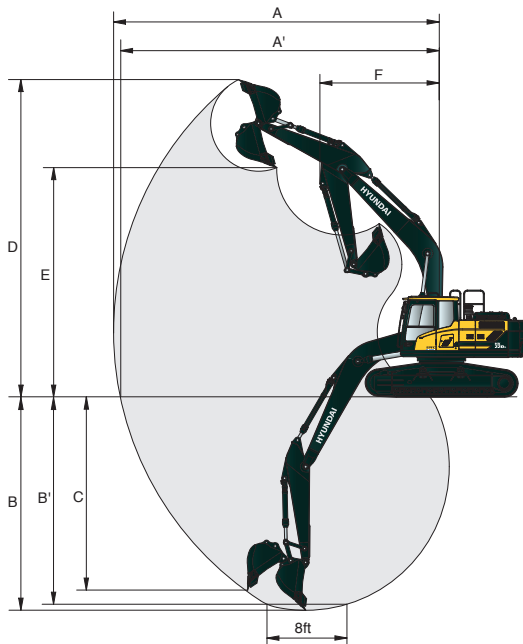
Unit : mm (ft · in)

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")

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	3,900 (12' 10")	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
			width	600 (24")	700 (28")	800 (32")	900 (36")
M	Overall width	3,395 (11' 2")	3,495 (11' 6")	3,595 (11' 10")	3,695 (12' 2")	3,495 (11' 6")	

*This figure includes the size of grousers.

HX220L 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	8,960 (29' 5")	9,290 (30' 6")	9,820 (32' 3")	10,770 (35' 4")	
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")	

LIFTING CAPACITY











 Rating over-front  Rating over-side or 360 degree

HX220 L

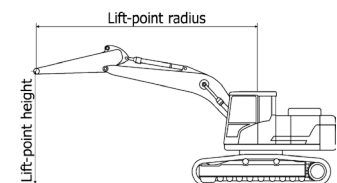
5.68 m (18' 8") Mono boom, 2.00 m (6' 7") arm and 600mm(24") Triple grouser shoe.

Load point height m (ft)		Lift-point radius								At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach m (ft)
												
7.5m 24.6ft	kg lb									*5,720 *12,610	*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	6.35 (20.8)
4.5m 14.8ft	kg lb			*6,900 *15,210	*6,900 *15,210	*5,820 *12,830	5,070 11,180			*5,580 *12,300	3,860 8,510	7.14 (23.4)
3.0m 9.8ft	kg lb			*8,710 *19,200	7,290 16,070	*6,560 *14,460	4,850 10,690	5,400 11,900	3,500 7,720	5,340 11,770	3,460 7,630	7.55 (24.8)
1.5m 4.9ft	kg lb					*7,280 *16,050	4,650 10,250	5,310 11,710	3,420 7,540	5,170 11,400	3,330 7,340	7.64 (25.1)
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	3,420 7,540	7.43 (24.4)
-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	3,800 8,380	6.88 (22.6)
-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	5.91 (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)		Lift-point radius								At max. reach		
		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach m (ft)
												
7.5m 24.6ft	kg lb									*5,080 *11,200	*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	6.81 (22.4)
4.5m 14.8ft	kg lb			*6,210 *13,690	*6,210 *13,690	*5,360 *11,820	5,000 11,020	*4,990 *11,000	3,520 7,760	*4,490 *9,900	3,480 7,670	7.55 (24.8)
3.0m 9.8ft	kg lb			*8,050 *17,750	7,260 16,010	*6,170 *13,600	4,790 10,560	5,350 11,790	3,450 7,610	*4,580 *10,100	3,160 6,970	7.94 (26.1)
1.5m 4.9ft	kg lb			*9,670 *21,320	6,870 15,150	*7,000 *15,430	4,600 10,140	5,270 11,620	3,370 7,430	4,770 10,520	3,070 6,770	8.03 (26.3)
0.0m 0.0ft	kg lb			*10,430 *22,990	6,730 14,840	7,210 15,900	4,490 9,900	5,220 11,510	3,330 7,340	4,920 10,850	3,150 6,940	7.83 (25.7)
-1.5m -4.9ft	kg lb	*10,820 *23,850	*10,820 *23,850	*10,400 *22,930	6,750 14,880	7,200 15,870	4,490 9,900			5,450 12,020	3,480 7,670	7.31 (24.0)
-3.0m -9.8ft	kg lb	*13,460 *29,670	*13,460 *29,670	*9,600 *21,160	6,900 15,210	*7,040 *15,520	4,610 10,160			*6,380 *14,070	4,250 9,370	6.41 (21.0)
-4.5m -14.8ft	kg lb			*7,300 *16,090	7,250 15,980					*6,460 *14,240	6,460 14,240	4.89 (16.0)

- 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.















LIFTING CAPACITY















 Rating over-front  Rating over-side or 360 degree

HX220 L

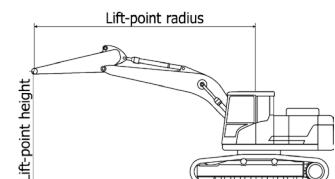
5.68 m (18' 8") Mono boom, 2.92 m (9' 7") arm and 600mm(24") Triple grouser shoe.

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		
													m (ft)		
7.5m 24.6ft	kg							*4,440	*4,440			*3,370	*3,370	6.26	
	lb							*9,790	*9,790			*7,430	*7,430	(20.5)	
6.0m 19.7ft	kg							*4,340	*4,340			*3,100	*3,100	7.38	
	lb							*9,570	*9,570			*6,830	*6,830	(24.2)	
4.5m 14.8ft	kg							*4,850	*4,850	*4,640	3,530	*3,020	*3,020	8.07	
	lb							*10,690	*10,690	*10,230	7,780	*6,660	*6,660	(26.5)	
3.0m 9.8ft	kg					*7,270	*7,270	*5,700	4,800	*5,010	3,430	*3,070	2,850	8.43	
	lb					*16,030	*16,030	*12,570	105,80	*11,050	7,560	*6,770	6,280	(27.7)	
1.5m 4.9ft	kg					*9,050	6,880	*6,610	4,570	5,230	3,320	*3,250	2,760	8.51	
	lb					*19,950	15,170	*14,570	10,080	11,530	7,320	*7,170	6,080	(27.9)	
0.0m 0.0ft	kg					*5,920	*5,920	*10,100	6,650	7,150	4,430	3,250	*3,590	2,830	8.32
	lb					*13,050	*13,050	*22,270	14,660	15,760	9,770	7,170	*7,910	6,240	(27.3)
-1.5m -4.9ft	kg	*6,500	*6,500	*10,390	*10,390	*10,360	6,610	7,100	4,380	5,140	3,250	*4,200	3,080	7.84	
	lb	*14,330	*14,330	*22,910	*22,910	*22,840	14,570	15,650	9,660	11,330	7,170	*9,260	6,790	(25.7)	
-3.0m -9.8ft	kg	*11,110	*11,110	*14,290	13,180	*9,870	6,720	7,180	4,450			*5,420	3,650	7.01	
	lb	*24,490	*24,490	*31,500	29,060	*21,760	14,820	15,830	9,810			*11,950	8,050	(23.0)	
-4.5m -14.8ft	kg			*11,780	*11,780	*8,290	6,980					*6,160	5,080	5.66	
	lb			*25,970	*25,970	*18,280	15,390					*13,580	11,200	(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					
	1.5m (5 ft)		3.0m (10 ft)		4.5m (15 ft)		6.0m (20 ft)		7.5m (25 ft)		9.0m (30 ft)		Capacity		Reach	
															m (ft)	
7.5m 24.6ft	kg													*2,330	*2,330	7.49
	lb													*5,140	*5,140	(24.6)
6.0m 19.7ft	kg								*3,610	*3,610				*2,170	*2,170	8.44
	lb								*7,960	*7,960				*4,780	*4,780	(27.7)
4.5m 14.8ft	kg								*3,850	3,570	*2,330	*2,330	*2,120	*2,120	9.05	
	lb								*8,490	7,870	*5,140	*5,140	*4,670	*4,670	(29.7)	
3.0m 9.8ft	kg					*5,750	*5,750	*4,790	*4,790	*4,320	3,430	*3,540	2,540	*2,150	*2,150	9.37
	lb					*12,680	*12,680	*10,560	*10,560	*9,520	7,560	*7,800	5,600	*4,740	*4,740	(30.7)
1.5m 4.9ft	kg			*8,640	*8,640	*7,760	7,000	*5,810	4,590	*4,880	3,290	3,920	2,480	*2,250	*2,250	9.45
	lb			*19,050	*19,050	*17,110	15,430	*12,810	10,120	*10,760	7,250	8,640	5,470	*4,960	*4,960	(31.0)
0.0m 0.0ft	kg			*7,210	*7,210	*9,280	6,600	*6,710	4,360	5,060	3,170	3,870	2,430	*2,450	2,330	9.28
	lb			*15,900	*15,900	*20,460	14,550	*14,790	9,610	11,160	6,990	8,530	5,360	*5,400	5,140	(30.4)
-1.5m -4.9ft	kg	*5,430	*5,430	*9,360	*9,360	*10,050	6,430	6,960	4,250	5,000	3,110			*2,780	2,480	8.85
	lb	*11,970	*11,970	*20,640	*20,640	*22,160	14,180	15,340	9,370	11,020	6,860			*6,130	5,470	(29.0)
-3.0m -9.8ft	kg	*8,510	*8,510	*13,040	12,640	*10,100	6,450	6,960	4,240	5,020	3,130			*3,390	2,830	8.12
	lb	*18,760	*18,760	*28,750	27,870	*22,270	14,220	15,340	9,350	11,070	6,900			*7,470	6,240	(26.6)
-4.5m -14.8ft	kg	*12,370	*12,370	*13,730	13,000	*9,330	6,610	*6,810	4,360					*4,660	3,580	6.99
	lb	*27,270	*27,270	*30,270	28,660	*20,570	14,570	*15,010	9,610					*10,270	78,90	(22.9)
-6.0m -19.7ft	kg			*10,370	*10,370	*7,020	6,990							*5,650	*5,650	5.21
	lb			*22,860	*22,860	*15,480	15,410							*12,460	*12,460	(17.1)











- 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.













 Rating over-front  Rating over-side or 360 degree

HX220 HW

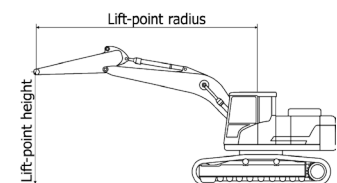
5.68 m (18' 8") Mono boom, 2.00 m (6' 7") arm and 600mm(24") Triple grouser shoe.

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 m (ft)
												
7.5m 24.6ft	kg lb									*5,550 *12,240	*5,550 *12,240	5.23 (17.2)
6.0m 19.7ft	kg lb					*5,380 *11,860	*5,380 *11,860			*5,460 *12,040	4,750 10,470	6.49 (21.3)
4.5m 14.8ft	kg lb			*7,010 *15,450	*7,010 *15,450	*5,820 *12,830	5,250 11,570			*5,540 *12,210	3,970 8,750	7.22 (23.7)
3.0m 9.8ft	kg lb			*8,860 *19,530	7,560 16,670	*6,600 *14,550	5,050 11,130	5,680 12,520	3,680 8,110	5,600 12,350	3,630 8,000	7.58 (24.9)
1.5m 4.9ft	kg lb					*7,330 *16,160	4,900 10,800	5,620 12,390	3,630 8,000	5,490 12,100	3,550 7,830	7.63 (25.0)
0.0m 0.0ft	kg lb			*10,560 *23,280	7,220 15,920	7,690 16,950	4,830 10,650			5,750 12,680	3,700 8,160	7.37 (24.2)
-1.5m -4.9ft	kg lb	*12,460 *27,470	*12,460 *27,470	*10,210 *22,510	7,300 16,090	*7,600 *16,760	4,870 10,740			6,530 14,400	4,180 9,220	6.77 (22.2)
-3.0m -9.8ft	kg lb	*12,250 *27,010	*12,250 *27,010	*9,000 *19,840	7,500 16,530					*6,790 *14,970	5,390 11,880	5.72 (18.8)

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 m (ft)
												
7.5m 24.6ft	kg lb									*4,980 *10,980	*4,980 *10,980	5.79 (19.0)
6.0m 19.7ft	kg lb					*4,940 *10,890	*4,940 *10,890			*4,580 *10,100	4,280 9,440	6.94 (22.8)
4.5m 14.8ft	kg lb			*6,440 *14,200	*6,440 *14,200	*5,460 *12,040	5,280 11,640	*5,150 *11,350	3,740 8,250	*4,490 *9,900	3,640 8,020	7.63 (25.0)
3.0m 9.8ft	kg lb			*8,310 *18,320	7,640 16,840	*6,290 *13,870	5,060 11,160	*5,450 *12,020	3,670 8,090	*4,600 *10,140	3,350 7,390	7.97 (26.2)
1.5m 4.9ft	kg lb			*9,830 *21,670	7,280 16,050	*7,100 *15,650	4,880 10,760	5,590 12,320	3,590 7,910	*4,920 *10,850	3,280 7,230	8.02 (26.3)
0.0m 0.0ft	kg lb			*10,460 *23,060	7,170 15,810	*7,610 *16,780	4,790 10,560	5,550 12,240	3,560 7,850	5,290 11,660	3,400 7,500	7.78 (25.5)
-1.5m -4.9ft	kg lb	*11,870 *26,170	*11,870 *26,170	*10,340 *22,800	7,210 15,900	*7,640 *16,840	4,800 10,580			5,910 13,030	3,790 8,360	7.21 (23.7)
-3.0m -9.8ft	kg lb	*13,150 *28,990	*13,150 *28,990	*9,410 *20,750	7,380 16,270	*6,840 *15,080	4,940 10,890			*6,410 *14,130	4,710 10,380	6.24 (20.5)











- Lifting capacity are based on ISO 10567.
- 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.
- The load point is a hook located on the back of the bucket.
- (*) indicates load limited by hydraulic capacity.













LIFTING CAPACITY

HX220L LONG REACH

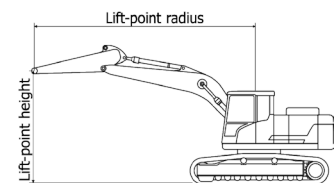
8.2 m (26' 11") Mono boom, 6.30 m (20' 8") arm and 800mm(32") Triple grouser shoe.

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	kg										
34.4ft	lb										
9.0m	kg										
29.5ft	lb										
7.5m	kg										
24.6ft	lb										
6.0m	kg										
19.7ft	lb										
4.5m	kg										
14.8ft	lb										
3.0m	kg									*3,000	*3,000
9.8ft	lb									*6,610	*6,610
1.5m	kg			*2,810	*2,810	*6,360	*6,360	*4,500	*4,500	*3,560	*3,560
4.9ft	lb			*6,190	*6,190	*14,020	*14,020	*9,920	*9,920	*7,850	*7,850
0.0m	kg			*2,420	*2,420	*6,270	*6,270	*5,300	4,800	*4,080	3,540
0.0ft	lb			*5,340	*5,340	*13,820	*13,820	*11,680	10,580	*8,990	7,800
-1.5m	kg	*2,000	*2,000	*2,980	*2,980	*5,610	*5,610	*5,870	4,480	*4,500	3,320
-4.9ft	lb	*4,410	*4,410	*6,570	*6,570	*12,370	*12,370	*12,940	9,880	*9,920	7,320
-3.0m	kg	*2,870	*2,870	*3,810	*3,810	*6,050	*6,050	*6,220	4,300	*4,790	3,170
-9.8ft	lb	*6,330	*6,330	*8,400	*8,400	*13,340	*13,340	*13,710	9,480	*10,560	6,990
-4.5m	kg	*3,800	*3,800	*4,800	*4,800	*7,020	6,440	*6,340	4,240	*4,930	3,110
-14.8ft	lb	*8,380	*8,380	*10,580	*10,580	*15,480	14,200	*13,980	9,350	*10,870	6,860
-6.0m	kg	*4,810	*4,810	*5,980	*5,980	*8,420	6,540	*6,250	4,270	*4,900	3,110
-19.7ft	lb	*10,600	*10,600	*13,180	*13,180	*18,560	14,420	*13,780	9,410	*10,800	6,860
-7.5m	kg	*5,950	*5,950	*7,420	*7,420	*7,820	6,730	*5,890	4,380	*4,640	3,190
-24.6ft	lb	*13,120	*13,120	*16,360	*16,360	*17,240	14,840	*12,990	9,660	*10,230	7,030
-9.0m	kg			*9,290	*9,290	*6,770	*6,770	*5,160	4,580	*4,030	3,360
-29.5ft	lb			*20,480	*20,480	*14,930	*14,930	*11,380	10,100	*8,880	7,410

 Rating over-front  Rating over-side or 360 degree

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.
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

HX220L HW LONG REACH

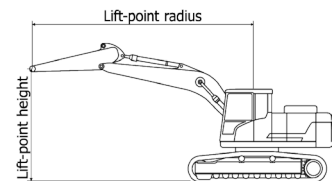
8.2 m (26' 11") Mono boom, 6.30 m (20' 8") arm and 800mm(32") Triple grouser shoe.

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

 Rating over-front  Rating over-side or 360 degree

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	*1,300					*870	*870	11.05
		*2,870	*2,870					*1,920	*1,920	(36.2)
				*890	*890			*820	*820	12.07
				*1,960	*1,960			*1,810	*1,810	(39.6)
		*1,890	*1,890	*1,480	*1,480			*800	*800	12.83
		*4,170	*4,170	*3,260	*3,260			*1,760	*1,760	(42.1)
		*2,030	*2,030	*1,830	*1,830			*800	*800	13.38
		*4,480	*4,480	*4,030	*4,030			*1,760	*1,760	(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.
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

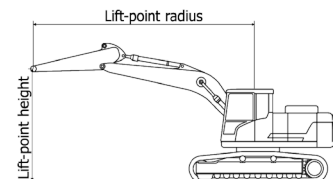
5.68 m (18' 8") Mono boom, 2.92 m (9' 7") arm and 600mm(24") Triple grouser shoe.

Load point height m (ft)	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	
													m (ft)	
7.5m 24.6ft	kg							*4,360	*4,360			*3,310	*3,310	6.45
	lb							*9,610	*9,610			*7,300	*7,300	(21.2)
6.0m 19.7ft	kg							*4,380	*4,380	*3,070	*3,070	*3,080	*3,080	7.50
	lb							*9,660	*9,660	*6,770	*6,770	*6,790	*6,790	(24.6)
4.5m 14.8ft	kg							*4,960	*4,960	*4,680	3,750	*3,020	*3,020	8.14
	lb							*10,930	*10,930	*10,320	8,270	*6,660	*6,660	(26.7)
3.0m 9.8ft	kg					*7,540	*7,540	*5,830	5,070	*5,070	3,640	*3,090	3,030	8.46
	lb					*16,620	*16,620	*12,850	11,180	*11,180	8,020	*6,810	6,680	(27.7)
1.5m 4.9ft	kg					*9,250	7,270	*6,720	4,850	*5,530	3,540	*3,290	2,960	8.50
	lb					*20,390	16,030	*14,820	10,690	*12,190	7,800	*7,250	6,530	(27.9)
0.0m 0.0ft	kg			*6,490	*6,490	*10,180	7,070	*7,360	4,720	5,470	3,480	*3,650	3,050	8.27
	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 -4.9ft	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
	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 -9.8ft	kg	*11,830	*11,830	*14,040	*14,040	*9,740	7,190	*7,170	4,770			*5,680	4,030	6.85
	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 -14.8ft	kg			*11,260	*11,260	*7,900	7,480					*6,170	5,800	5.40
	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.

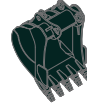
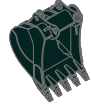
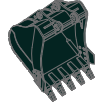
Load point height m (ft)	Lift-point radius										At max. reach					
	1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		9.0m (29.5ft)		Capacity		Reach	
															m (ft)	
7.5m 24.6ft	kg									*2,780	*2,780			*2,300	*2,300	7.65
	lb									*6,130	*6,130			*5,070	*5,070	(25.1)
6.0m 19.7ft	kg									*3,620	*3,620			*2,160	*2,160	8.55
	lb									*7,980	*7,980			*4,760	*4,760	(28.0)
4.5m 14.8ft	kg							*4,000	*4,000	*3,900	3,780	*2,570	*2,570	*2,120	*2,120	9.11
	lb							*8,820	*8,820	*8,600	8,330	*5,670	*5,670	*4,670	*4,670	(29.9)
3.0m 9.8ft	kg			*8,930	*8,930	*6,040	*6,040	*4,930	*4,930	*4,400	3,640	*3,640	2,720	*2,160	*2,160	9.40
	lb			*19,690	*19,690	*13,320	*13,320	*10,870	*10,870	*9,700	8,020	*8,020	6,000	*4,760	*4,760	(30.8)
1.5m 4.9ft	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
	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 0.0ft	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
	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 -4.9ft	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	8.76
	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	(28.8)
-3.0m -9.8ft	kg	*8,990	*8,990	*13,690	13,510	*10,050	6,910	*7,360	4,550	5,370	3,370			*3,510	3,120	7.99
	lb	*19,820	*19,820	*30,180	29,780	*22,160	15,230	*16,230	10,030	11,840	7,430			*7,740	6,880	(26.2)
-4.5m -14.8ft	kg	*13,030	*13,030	*13,390	*13,390	*9,140	7,090	*6,630	4,700					*4,960	4,010	6.79
	lb	*28,730	*28,730	*29,520	*29,520	*20,150	15,630	*14,620	10,360					*10,930	8,840	(22.3)
-6.0m -19.7ft	kg					*6,410	*6,410									
	lb					*14,130	*14,130									

- Lifting capacity are based on ISO 10567.
- 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.
- The load point is a hook located on the back of the bucket.
- (*) indicates load limited by hydraulic capacity.



BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS



SAE heaped
m³ (yd³)

GP
0.92
1.20
1.34

HD
0.90
1.05

RK
0.87

LR
0.52

Capacity m ³ (yd ³)		Width mm (in)		Weight kg (lb)	Tooth (EA)	Recommendation mm (ft.in)				
						5,680 (18' 8") Boom				8,200 (26' 11") Boom
SAE Heaped	CECE Heaped	Without Side Cutters	With 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
⊙ 0.92 (1.20)	0.80 (1.05)	1,150 (45.3)	1,270 (50)	770 (1,700)	5	●	●	●	■	-
⊙ 1.20 (1.57)	1.00 (1.31)	1,400 (55.1)	1,520 (60)	850 (1,870)	5	●	◐	■	▲	-
⊙ 1.34 (1.75)	1.15 (1.50)	1,550 (61.0)	1,670 (66)	920 (2,030)	6	◐	■	▲	X	-
◆ 0.90 (1.18)	0.80 (1.05)	1,095 (43.1)	-	810 (1,790)	5	●	●	●	■	-
◆ 1.05 (1.37)	0.92 (1.20)	1,290 (50.8)	-	890 (1,960)	5	●	●	◐	▲	-
◆ 0.87 (1.14)	0.75 (0.98)	1,140 (44.9)	-	900 (1,980)	5	●	●	●	■	-
★ 0.52 (0.68)	0.45 (0.59)	935 (36.8)	1,035 (41)	460 (1,010)	5	-	-	-	-	■

- ⊙ General Purpose
- ◆ Heavy duty bucket
- ◆ Rock-Heavy duty bucket
- ★ Long reach bucket

- : Applicable for materials with density of 2,100 kgf/m³ (3,500 lbf/yd³) or less
- ◐ : Applicable for materials with density of 1,800 kgf/m³ (3,000 lbf/yd³) or less
- : Applicable for materials with density of 1,500 kgf/m³ (2,500 lbf/yd³) or less
- ▲ : Applicable for materials with density of 1,200 kgf/m³ (2,000 lbf/yd³) or less

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")				8,200 (26' 11")	Remark
	Weight	kg (lb)	1,950 (4,300)				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")	6,300 (20' 8")	Remark
	Weight	kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	1,295 (2,850)	1,330 (2,930)	
Bucket Digging Force	SAE	kN	133.4 [145.5]	133.4 [145.5]	133.4 [145.5]	133.4 [145.5]	72.6	[] : Power Boost
		kgf	13,600 [14,840]	13,600 [14,840]	13,600 [14,840]	13,600 [14,840]	7,400	
		lbf	29,980 [32,720]	29,980 [32,720]	29,980 [32,720]	29,980 [32,720]	16,310	
	ISO	kN	152.0 [165.8]	152.0 [165.8]	152.0 [165.8]	152.0 [165.8]	83.4	
		kgf	15,500 [16,910]	15,500 [16,910]	15,500 [16,910]	15,500 [16,910]	8,500	
		lbf	34,170 [37,280]	34,170 [37,280]	34,170 [37,280]	34,170 [37,280]	18,740	
Arm Crowd Force	SAE	kN	144.2 [157.3]	119.6 [130.5]	102.0 [111.3]	84.3 [92.0]	49.0	
		kgf	14,700 [16,040]	12,200 [13,310]	10,400 [11,350]	8,600 [9,380]	5,000	
		lbf	32,410 [35,360]	26,900 [29,340]	22,930 [25,020]	18,960 [20,680]	11,020	
	ISO	kN	151.0 [164.8]	125.5 [136.9]	106.9 [116.6]	87.3 [95.2]	50.0	
		kgf	15,400 [16,800]	12,800 [13,960]	10,900 [11,890]	8,900 [9,710]	5,100	
		lbf	33,950 [36,040]	28,220 [30,780]	24,030 [26,210]	19,620 [21,410]	11,240	

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

STANDARD / OPTION

ENGINE	STD	OPT
Hyundai HE6.7 Engine	●	
HYDRAULIC SYSTEM		
INTELLIGENT POWER CONTROL (IPC)		
3-power mode, 2-work mode, user mode	●	
Variable power control	●	
Pump flow control	●	
Attachment mode flow control		●
Engine auto idle	●	
Engine auto shutdown control		●
CAB & INTERIOR		
ISO STANDARD CABIN		
Rise-up type windshield wiper	●	
Radio / USB player	●	
Handsfree mobile phone system with USB	●	
12 volt power outlet (24V DC to 12V DC converter)	●	
Electric horn	●	
All-weather steel cab with 360° visibility	●	
Safety glass - Tempered glass	●	
Safety glass - Tempered glass with front laminated glass		●
Sliding fold-in front window	●	
Sliding side window(LH)	●	
Lockable door	●	
Hot & cool box	●	
Storage compartment & Ashtray	●	
Sun visor	●	
Door and cab locks, one key	●	
Pilot-operated slidable joystick	●	
Cabin lights		●
Cabin front window rain guard		●
Transparent cabin roof-cover	●	
Cabin roof-steel cover		●
AUTOMATIC CLIMATE CONTROL		
Air conditioner & heater	●	
Defroster	●	
Starting Aid (air grid heater) for cold weather	●	
CENTRALIZED MONITORING		
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 warning alarm		●
Air cleaner clogging	●	
Indicators	●	
ECO gauges	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
Fuel warmer	●	
Warnings	●	
Communication error	●	
Low battery	●	
Clock	●	
SEAT		
Mechanical suspension without heater		●
Mechanical suspension with heater	●	
Adjustable air suspension without heater		●
Adjustable air suspension with heater		●
CABIN FOPS (ISO 10262) LEVEL 2		
FOPS (Falling Object Protective Structure)-ISO 10262 Level 2	Front & Top guard	●
	Top guard	●
CABIN ROPS		
ROPS (Roll Over Protective Structures)ISO 12117-2		●

SAFETY	STD	OPT
Battery master switch	●	
Rearview camera		●
AAVM (Advanced Around View Monitoring)		●
Front working lights	●	
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		●
Outside rearview mirror	●	
OTHERS		
BOOMS		
5.68m, 18' 8" Mono	●	
8.2m, 26' 11" Long reach		●
ARMS		
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		●
COUNTERWEIGHT		
3.8 ton CWT	●	
5.3 ton CWT (LR)		●
UNDERCARRIAGE		
Lower frame under cover (Additional)		●
Lower frame under cover (Normal)	●	
TRACK SHOES		
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