ENGINE	STD	OPT
Hyundai HM5.9 engine	●	

HYDRAULIC SYSTEM	STD	OPT
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		STD	OPT
ISO Standard Cabin			
Rise-up type windshield wiper		●	
Radio / USB player		●	
Handsfree mobile phone system with USB		●	
12 V power outlet (24 V DC to 12 V 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		●	
Sun visor		●	
Door and cab locks, one key		●	
Pilot-operated slidable joystick		●	
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		●	
Air cleaner clogging		●	
Indicators		●	
ECO gauges		●	
Fuel level gauge		●	
Hyd. oil temperature gauge		●	
Fuel warmer		●	
Warnings		●	
Communication error		●	
Low battery		●	
Clock		●	
Cabin lights			●
Cabin front window rain guard			●
Cabin roof-steel cover		●	
Seat			
Mechanical suspension without heater		●	
Mechanical suspension with heater			●
Adjustable air suspension without heater			●
Adjustable air suspension with heater			●
Cabin FOPS			
FOPS (falling object protective structures) ISO 10262 level 2	Front & Tops guard		●
	Tops guard		●
Cabin ROPS			
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		●
Two outside rearview mirror	●	

OTHER	STD	OPT
Booms		
5.68 m, 18' 8" mono	●	
5.68 m, 18' 8" Heavy Duty		●
8.2 m, 26' 11" long reach		●
Arms		
2.0 m, 6' 7"		●
2.4 m, 7' 10"		●
2.92 m, 9' 7"	●	
2.92 m, 9' 7" Heavy Duty		●
3.9 m, 12' 10"		●
6.3 m, 20' 8" long reach		●
Removable clean-out dust net for cooler	●	
Removable reservoir tank	●	
Fuel pre-filter	●	
Fuel warmer		●
Self-diagnostics system	●	
Hi-mate (remote management system)		●
Batteries (2 x 12 V 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 (4 patterns)		●
Fine swing control system		●
General type guardrail		●
Tool kit		●

UNDERCARRIAGE	STD	OPT
Lower frame under cover (additional)		●
Lower frame under cover (normal)	●	
Track Shoes		
Triple grousers shoes (600 mm, 24")	●	
Triple grousers shoe (700 mm, 28")		●
Triple grousers shoe (800 mm, 32")		●
Triple grousers shoe (900 mm, 36")		●
Double grousers shoe (600 mm, 24")		●
Double grousers shoe (700 mm, 28")		●
Track rail guard	●	
Full track rail guard		●

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

HYUNDAI
CONSTRUCTION EQUIPMENT INDIA

Hyundai Construction Equipment India Pvt. Ltd.
Plot No. A-2, M. I. D. C. Chakan, Phase II,
Village: Khalumbre, Taluka: Khed, Dist: Pune - 410501
E mail: hyundai.care@theconnectionsindia.com
Tel.No.: 02135 301700 Fax No: 02135 301712 Toll Free No.: 1800 209 8600
www.hyundaiindia.net c @hceindia f /hyundaiindia.net/
t @hyceindia i Hyundai Construction Equipment India Pvt Ltd

PLEASE CONTACT

www.hyundai-ce.com

*Photo may include optional equipment.

MOVING YOU FURTHER

HX220L

With Tier 2 / Stage II Engine Installed

Gross Power
SAE J1995 / 150 HP (112 kW) at 1,950 rpm

Travel Speed
5.4km/hr(3.35mph)/3.6km/hr(2.23mph)

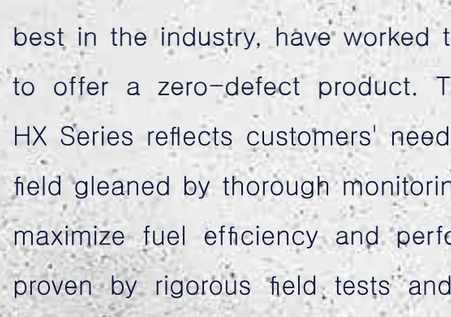
Operating Weight
22,800kg

HYUNDAI
CONSTRUCTION EQUIPMENT INDIA

HYUNDAI
CONSTRUCTION EQUIPMENT
INDIA

MOVING YOU FURTHER

The HX Series Excavators are products of HCE's spirit of initiative, creativity, and strong drive. HCE's 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. They maximize fuel efficiency and performance proven by rigorous field tests and quality control.



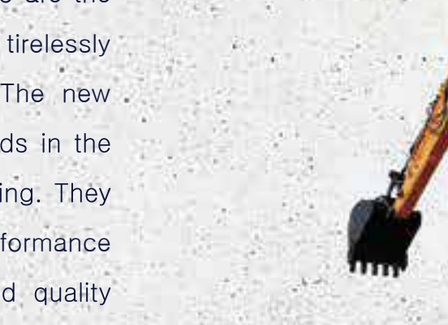


*Photo may include optional equipment.

RULE THE GROUND

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

HX220L

WORK MAX, WORTH MAX

- New Variable Power Control
- Fuel Rate Information (Option)
- IPC (Intelligent Power Control)
- Attachment Flow Control (Option)
- ECO Gauge
- New Cooling System with Increased Air Flow
- Enlarged Air Inlet with Grill Cover
- Cycle Time Improvement

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

- New Front Side Air-conditioning System
- Intelligent and Wide Cluster
- New Air Conditioning System
- Wi-Fi Direct with Smart Phone (Miracast) (Option)
- Proportional Auxiliary Hydraulic System (Option)
- 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) (Standard)
- Cab Suspension Mount
- Swing Lock System (Option)
- Fine Swing Control (Option)

*Photo may include optional equipment.

*Photo may include optional equipment.

New Variable Power Control

The 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.

WORK MAX, WORTH MAX

Fuel Efficient System, Allows Great Performance

The 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.

15% increased greater screen from 7 to 8 inch is applied in HX Series.
More funtions and better resolution are available with adding premium options.

Fuel Rate Information (Option)

IPC (Intelligent Power Control)

The IPC controls power depending on work environments. Its mode can be selected and released on the monitor. On the excavation mode, pump flow can be easily controlled by a lever, reducing fuel consumption.

Attachment Flow Control (Option)

The 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.

New Cooling System with Increased Air Flow

With the three-floor horizontally placed cooling module improving air inflow, the 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.

Cycle Time Improvement

The HX Series provides higher productivity on the site by faster operation: it loads trucks up to 7% faster and levels up to 6% faster than the 9S Series.

MORE RELIABLE, MORE SUSTAINABLE

New Exterior Design for Robustness and Safety

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

Durable Cooling Module

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

Reinforced Pin, Bush, and Polymer Shim

The 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.

Reinforced Durability of Upper and Lower Structure and Attachments

The upper and lower structure and attachments of the 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.

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.

*Photo may include optional equipment.

Hi-grade (High-pressure) Hoses

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

*Photo may include optional equipment.

New Front Side Air-conditioning System

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

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! The HX Series is designed with the operator in mind.

Intelligent and Wide Cluster

The 8-inch interactive touchscreen display of the HX Series is 15% larger than that of the previous model. The centralized switches on the display allow the operator to check the urea level and the temperature outside the cab.

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.

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 for better speed control
- Enlarge the operation convenience

Front Side Air-Vent

Quick Coupler Button (Option)

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

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.

MODERN COMFORT, SIMPLE AND SAFE SOLUTION

New Cabin for More Comfort

Low noise, low vibration, and ergonomic design make the cabin space more com-fortable and pleasant! With focus on safety and convenience of operators, the HX Seriesallowsrapidandsafeequipmentinspectionanytimeandanywhere,providingan optimal environment for operators to work.

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

The HX Series has a state-of-the-art AAVM video camera system to secure field of vision for operators in all directions, therebypreventingaccidents.Operatorscaneasilycheckthe workplace in the front and rear and to the right and left.

* AVM (Around View Monitoring): Secure field of vision in all direc-tions 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: 5m).

HiMATE

It's Convenient, Easy and Valuable

Hi-mate Hyundai's newly developed remote management system, utilizes GPS-satellite technolgy to provide customerswiththehighestlevelofserviceandproductsupportavailable.Hi-mateenablesuserstoremotelyevaluate 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.

HiMATE

REMOTE MANAGEMENT SYSTEM

Our Unique remote management system allows customers to access machine operating information & obtain service & maintenance alerts at the touch of a button.

INCREASED PRODUCTIVITY

HI MATE empowers you to enhance the efficiency of your operations. Make better decisions by comparing the machine's operating time with its travelling, idling & breaker use duration.

CONVENIENT & EASY MONITORING

Enjoy round the clock & on the move access to your machine's information through the website or the mobile app.

FLEET MONITORING MAP

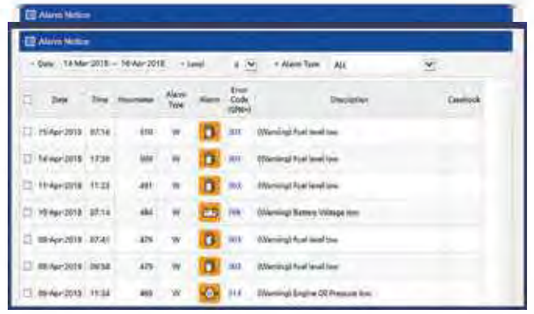
DAILY REPORT

SECURITY & FLEET MONITORING

Protect your machines from theft or unauthorized use. HI MATE's GPS feature allows you to create a geo-fence & alerts you if the machine moves out of the defined boundary.

PROACTIVE MAINTENANCE

Access your machine's service & maintenance history with the utmost convenience. Plan your service schedules intelligently with our regular reminders.



ALARMS

Get notified of system alarms & protect your machine from critical faults & experience repairs.

***OPTIONAL EQUIPMENT**

RECEIVE LIVE NOTIFICATION THROUGH SMS & HIMATE APPLICATION ALERTS

SPECIFICATIONS

ENGINE

Maker / Model		HYUNDAI HM5.9
Type		Water cooled 4 cycle diesel, 6 cylinders in line, direct injection, trubocharged, charger air, cooled, low emission
Rated flywheel horse power	SAE J1995 (gross)	150 HP (112 kW) at 1,950 rpm
	SAE J1349 (net)	147 HP (110 kW) at 1,950 rpm
Max. torque		64 kgfm (460 lbfft) at 1,500 rpm
Bore X stroke		102 ×120 mm (4.02" ×4.72")
Piston displacement		5900 cc (359 cu in)
Batteries		2×12 V ×100 Ah
Starting motor		24 V × 4.8 kW
Alternator		24 V × 95 A

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem axis piston pumps
Max. flow	2×247 ℓ/min
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

HYDRAULIC MOTORS	
Travel	Two speed axial pistons motor with brake valve and parking brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING	
Implement circuits	350 kgf/cm² (4980 psi)
Travel	350 kgf/cm² (4980 psi)
Powerboost(boom,arm,bucket)	380 kgf/cm² (5400 psi)
Swing circuit	265 kgf/cm² (3770 psi)
Pilot circuit	40 kgf/cm² (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: 2-Ø120×1,290 mm
	Arm: 1-Ø140×1,510 mm
	Bucket: 1-Ø120×1,055 mm

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	20,200 kgf (44,530 lbf)
Max. travel speed (high / low)	5.4km/hr(3.35mph)/3.6km/hr(2.23mph)
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	12.5 rpm

COOLANT & LUBRICANT CAPACITY

	liter
Fuel tank	400
Engine coolant	31
Engine oil	20
Swing device	6.2
Final drive (each)	4.5
Hydraulic system (including tank)	275
Hydraulic tank	160

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	HX220SL
Center frame	X-leg type
Track frame	Pentagonal box type
No. of shoes on each side	49 EA
No. of carrier roller on each side	2 EA
No. of track roller on each side	9 EA
No. of rail guard on each side	2 EA

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5.6 mts boom, 2.4 mts arm, SAE heaped 0.92 m³ (1.20 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

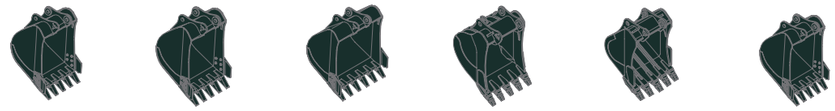
OPERATING WEIGHT

Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf/cm² (psi)
Triple grouser	600 (24")	HX220S L	22,070(48,660)	0.47 (6.70)
		HX220SLHW	24,030(53,570)	0.52 (7.38)
	700 (28")	HX220S	21,970(48,440)	0.43 (6.16)
		HX220SLHW	24,580(54,190)	0.45 (6.40)
	800 (32")	HX220S	22,240(49,030)	0.38 (5.45)
		HX220S L	22,830(50,330)	0.37 (5.20)
		HX220SLHW	24,860(54,810)	0.40 (5.66)
	900 (36")	HX220SLHW	25,180(55,510)	0.36 (5.10)

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

All buckets are welded with high-strength steel.



SAE heaped	0.92	1.10	1.34	◈0.90	⊙0.87	★0.52
m³		1.20		◈1.05	⊙1.20	

Capacity m³		Width mm		Weight kg	Recommendation mm				
					5,680 Boom				8,200 Boom
SAE heaped	CECE heaped	Without side cutters	With side cutters		2,000 Arm	2,400 Arm	2,920 Arm	3,900 Arm	6,300 Arm
1.20	1.00	1,400	1,520	850	●	■	▲	–	–
◈1.05	0.92	1,290	–	890	●	●	■	▲	–

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

● : Applicable for materials with density of 2,000 kgf/m³ or less
■ : Applicable for materials with density of 1,600 kgf/m³ or less
▲ : Applicable for materials with density of 1,100 kgf/m³ 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

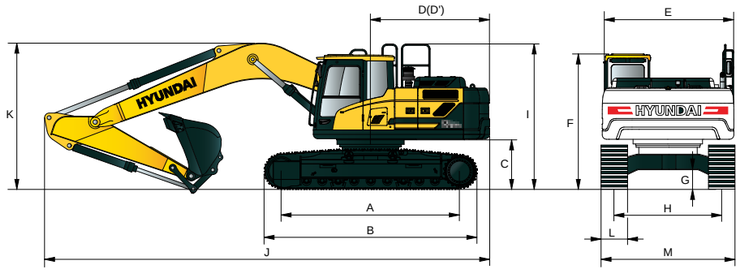
Boom	Length	mm (ft·in)	5,680 (18' 8")		Remark
	Weight	kg (lb)	1,950 (4,300)		
Arm	Length	mm (ft·in)	2,400 (7' 10")	2,920 (9' 7")	
	Weight	kg (lb)	1,045 (2,300)	1,095 (2,410)	
Bucket digging force	SAE	kN	133.4 [144.8]	133.4 [144.8]	[ ] : Power Boost
		kgf	13600 [14770]	13600 [14770]	
		lbf	29980 [32550]	29980 [32550]	
	ISO	kN	152.0 [165.0]	152.0 [165.0]	
		kgf	15500 [16830]	15500 [16830]	
		lbf	34170 [37100]	34170 [37100]	
Arm crowd force	SAE	kN	119.6 [129.9]	102.0 [110.7]	
		kgf	12200 [13250]	10400 [11290]	
		lbf	26900 [29210]	22930 [24900]	
	ISO	kN	125.5 [136.3]	106.9 [116.1]	
		kgf	12800 [13900]	10900 [11830]	
		lbf	28220 [30640]	24030 [26090]	

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

DIMENSIONS & WORKING RANGE

HX220L DIMENSIONS

5.68 m (18' 8") boom, 2.4 m (7' 10") and 2.92 m (9' 7")



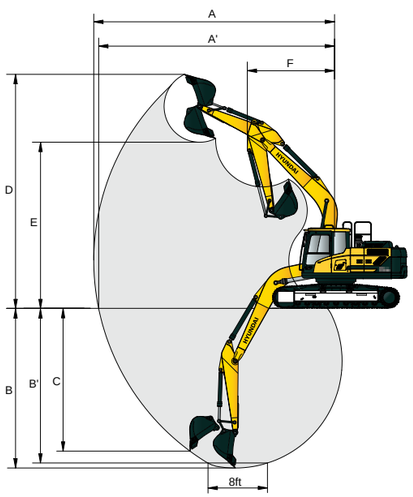
Unit : mm (ftin)

A	Tumbler distance	3,360 (11' 0")	
B	Overall length of crawler	4,114 (13' 6")	
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	3,030 (9' 11")	
G	Min. ground clearance	480 (1' 7")	
H	Track gauge	2,200 (7' 3")	
I	Overall height of handrail (Option)	3,213 (10' 6")	

	Boom length	5,680 (18' 8")	
	Arm length	2400 (7' 10")	2,920 (9' 7")
J	Overall length	9,570 (31' 5")	9,530 (31' 3")
K	Overall height of boom	3,110 (10' 2")	3,030 (9' 11")
L	Track shoe width	700 (28")	800 (32")
M	Overall width	2,900 (9' 6")	3,000 (9' 10")

HX220L WORKING RANGE

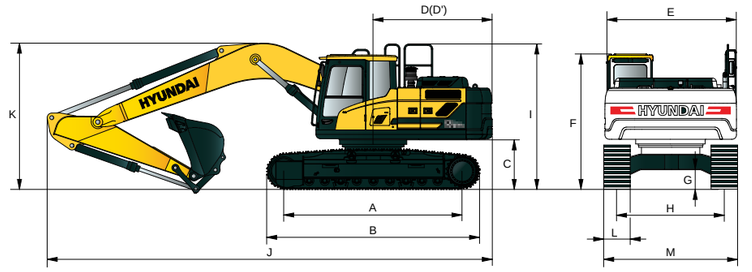
Unit : mm (ftin)



	Boom length	5,680 (18' 8")	
	Arm length	2,400 (7' 10")	2,920 (9' 7")
A	Max. digging reach	9,500 (31' 2")	9,980 (32' 9")
A'	Max. digging reach on ground	9,330 (30' 7")	9,820 (32' 3")
B	Max. digging depth	6,220 (20' 5")	6,730 (22' 1")
B'	Max. digging depth (8' level)	6,010 (19' 9")	6,560 (21' 6")
C	Max. vertical wall digging depth	5,720 (18' 9")	6,280 (20' 7")
D	Max. digging height	9,340 (30' 8")	9,600 (31' 6")
E	Max. dumping height	6,520 (21' 5")	6,780 (22' 3")
F	Min. swing radius	3,740 (12' 3")	3,740 (12' 3")

HX220L DIMENSIONS

5.68 m (18' 8") boom, 2.4 m (7' 10") arm



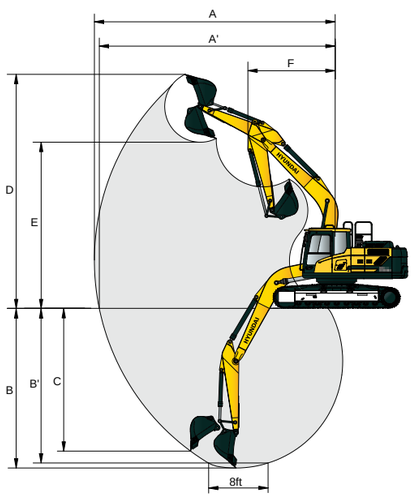
Unit : mm (ftin)

A	Tumbler distance	3,650 (12' 0")	
B	Overall length of crawler	4,404 (14' 4")	
C	Ground clearance of counterweight	1,060 (3' 6")	
D	Tail swing radius	2,890 (9' 5")	
D'	Rear-end length	2,770 (9' 1")	
E	Overall width of upperstructure	2,740 (9' 0")	
F	Overall height of cab	3,030 (9' 11")	
G	Min. ground clearance	480 (1' 7")	
H	Track gauge	2,390 (7' 10")	
I	Overall height of handrail (Option)	3,213 (10' 6")	

	Boom length	5,680 (18' 8")	
	Arm length	2400 (7' 10")	2,920 (9' 7")
J	Overall length	9,570 (31' 5")	9,530 (31' 3")
K	Overall height of boom	3,110 (10' 2")	3,030 (9' 11")
L	Track shoe width	700 (28")	800 (32")
M	Overall width	3,090 (10' 2")	3,190 (10' 6")

HX220L WORKING RANGE

Unit : mm (ftin)



	Boom length	5,680 (18' 8")	
	Arm length	2,400 (7' 10")	2,920 (9' 7")
A	Max. digging reach	9,500 (31' 2")	9,980 (32' 9")
A'	Max. digging reach on ground	9,330 (30' 7")	9,820 (32' 3")
B	Max. digging depth	6,220 (20' 5")	6,730 (22' 1")
B'	Max. digging depth (8' level)	6,010 (19' 9")	6,560 (21' 6")
C	Max. vertical wall digging depth	5,720 (18' 9")	6,280 (20' 7")
D	Max. digging height	9,340 (30' 8")	9,600 (31' 6")
E	Max. dumping height	6,520 (21' 5")	6,780 (22' 3")
F	Min. swing radius	3,740 (12' 3")	3,740 (12' 3")

LIFTING CAPACITY

HX220L

5.68 m (18' 8") boom, 2.92 m (9' 7") arm equipped with 600 mm (24") triple grouser shoe, and 3,800 kg (8,380 lb) counterweight.

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		m (ft)
7.5 m	kg							*4430	*4430			*3370	*3370	6.27
24.6 ft	lb							*9770	*9770			*7430	*7430	(20.6)
6.0 m	kg							*4340	*4340			*3090	*3090	7.39
19.7 ft	lb							*9570	*9570			*6810	*6810	(24.2)
4.5 m	kg							*4860	4450	*4640	3110	*3020	2730	8.07
14.8 ft	lb							*10710	9810	*10230	6860	*6660	6020	(26.5)
3.0 m	kg					*7280	6450	*5710	4220	4660	3010	*3070	2490	8.43
9.8 ft	lb					*16050	14220	*12590	9300	10270	6640	*6770	5490	(27.7)
1.5 m	kg					*9060	5980	6340	4000	4550	2910	*3250	2410	8.51
4.9 ft	lb					*19970	13180	13980	8820	10030	6420	*7170	5310	(27.9)
0.0 m	kg			*5950	*5950	9650	5760	6180	3860	4480	2840	*3590	2470	8.32
0.0 ft	lb			*13120	*13120	21270	12700	13620	8510	9880	6260	*7910	5450	(27.3)
−1.5 m	kg	*6530	*6530	*10430	*10430	9620	5720	6140	3820	4470	2830	*4210	2690	7.84
−4.9 ft	lb	*14400	*14400	*22990	*22990	21210	12610	13540	8420	9850	6240	*9280	5930	(25.7)
−3.0 m	kg	*11150	*11150	*14280	11210	9740	5830	6210	3880			5030	3200	7.00
−9.8 ft	lb	*24580	*24580	*31480	24710	21470	12850	13690	8550			11090	7050	(23.0)
−4.5 m	kg			*11760	11650	*8270	6090					*6160	4470	5.64
−14.8ft	lb			*25930	25680	*18230	13430					*13580	9850	(18.5)

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.

5.68 m (18' 8") boom, 2.40 m (7' 10") arm equipped with 600 mm (24") triple grouser shoe, and 3,800 kg (8,380 lb) counterweight.

Load point height m (ft)		Load radius								At max. reach		
		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		m (ft)
7.5 m	kg									*3550	*3550	5.77
24.6 ft	lb									*7830	*7830	(18.9)
6.0 m	kg					*3900	*3900			*3290	*3290	6.97
19.7 ft	lb					*8600	*8600			*7250	*7250	(22.9)
4.5 m	kg					*4370	*4370	*4170	2960	*3270	2810	7.70
14.8 ft	lb					*9630	*9630	*9190	6530	*7210	6190	(25.3)
3.0 m	kg			*6770	6570	*5170	4140	*4490	2840	*3430	2490	8.08
9.8 ft	lb			*14930	14480	*11400	9130	*9900	6260	*7560	5490	(26.5)
1.5 m	kg			*8480	6080	*6040	3900	4600	2720	*3770	2360	8.16
4.9 ft	lb			*18700	13400	*13320	8600	10140	6000	*8310	5200	(26.8)
0.0 m	kg	*6850	*6850	*9450	5860	6430	3750	4520	2650	4120	2420	7.97
0.0 ft	lb	*15100	*15100	*20830	12920	14180	8270	9960	5840	9080	5340	(26.1)
−1.5 m	kg	*11830	*11830	*9640	5840	6390	3710			4560	2680	7.46
−4.9 ft	lb	*26080	*26080	*21250	12870	14090	8180			10050	5910	(24.5)
−3.0 m	kg	*13290	12220	*9080	5970	6490	3800			5640	3330	6.57
−9.8 ft	lb	*29300	26940	*20020	13160	14310	8380			12430	7340	(21.6)
−4.5 m	kg	*10650	*10650	*7360	6270					*6270	5160	5.11
−14.8ft	lb	*23480	*23480	*16230	13820					*13820	11380	(16.8)

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

5.68 m (18' 8") boom, 2.92 m (9' 7") arm equipped with 600 mm (24") triple grouser shoe, and 3,800 kg (8,380 lb) counterweight.

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		7.5 m (24.6 ft)		Capacity		m (ft)
7.5 m	kg											*2240	*2240	6.49
24.6 ft	lb											*4940	*4940	(21.3)
6.0 m	kg											*2360	*2360	*2070	*2070	7.58
19.7 ft	lb											*5200	*5200	*4560	*4560	(24.9)
4.5 m	kg									*3850	*3850	*3720	2960	*2040	*2040	8.25
14.8 ft	lb									*8490	*8490	*8200	6530	*4500	*4500	(27.1)
3.0 m	kg					*9630	*9630	*5980	*5980	*4700	4170	*4120	2830	*2110	*2110	8.60
9.8 ft	lb					*21230	*21230	*13180	*13180	*10360	9190	*9080	6240	*4650	*4650	(28.2)
1.5 m	kg					*6760	*6760	*7830	6140	*5630	3900	4570	2690	*2310	2080	8.68
4.9 ft	lb					*14900	*14900	*17260	13540	*12410	8600	10080	5930	*5090	4590	(28.5)
0.0 m	kg			*7640	*7640	*9080	5830	6390	3710	4460	2590	*2660	2110	8.50
0.0 ft	lb			*16840	*16840	*20020	12850	14090	8180	9830	5710	*5860	4650	(27.9)
−1.5 m	kg	*6820	*6820	*10840	*10840	*9550	5740	6310	3630	4430	2560	*3290	2310	8.03
−4.9 ft	lb	*15040	*15040	*23900	*23900	*21050	12650	13910	8000	9770	5640	*7250	5090	(26.3)
−3.0 m	kg	*10410	*10410	*14010	11930	*9290	5820	6350	3670			*4590	2790	7.21
−9.8 ft	lb	*22950	*22950	*30890	26300	*20480	12830	14000	8090			*10120	6150	(23.7)
−4.5 m	kg			*11890	*11890	*8090	6050					*5730	3970	5.91
−14.8ft	lb			*26210	*26210	*17840	13340					*12630	8750	(19.4)

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.