

HX210SG / HX220SG

* Photo may include optional equipment.



Head Office(Sales Office)
14F, GLOBAL R&D CENTER, 477 BUNDANG SUSEO-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, 13553, KOREA

PLEASE CONTACT

Operating Weight
20,502~23,985 kg

Gross Power
139 HP(104 kW)/2,000 rpm

Bucket Capacity
0.51~1.23 m³

HYUNDAI

DESIGNED FOR SMART WORK

HX210SG / HX220SG

BEST-IN-CLASS PERFORMANCE

- Advanced CAPO System
- Hydraulic Flow Summation
- Swing Priority
- Regeneration System
- Excellent Digging Forces

IMPROVED FUEL EFFICIENCY

- New ECO Mode
- Fuel Saving Kit
- Electro Hydraulic System
- Auto Deceleration System
- Efficient Breaker Mode

COMFORTABLE OPERATION

- Bluetooth FM Radio
- Removable Type Floor Mat
- Spacious Cabin
- Fully Adjustable Seat
- Enhanced Visibility
- User-friendly Functionality
- Working Lamps
- 7-inch Monitor

INCREASED MACHINE DURABILITY

- Superior Lubrication and Wear Protection
- Polymer Shim
- Proven Upper Structure
- Forged Ring Body

SIMPLIFIED MAINTENANCE

- Fuel Filler Pump **Option**
- Easy Serviceability
- Extended Maintenance
- Large Capacity Fluid Tank
- Low Life Cycle Cost

ENHANCED SAFETY

- Emergency Shutdown Switch **Option**



PERFORMANCE

PRIDE AT WORK

Hyundai construction equipment strives to build state-of-the-art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality. New technologies designed to improve performance and precision, make the Hyundai excavator smooth, fast and easy to control. Take pride in your work with Hyundai!

CHOICE OF OPERATING MODE

WORKING MODE	ADVANTAGE
P Mode	· Maximum power · Fast cycle time
S Mode	· Balance between power and Fuel efficiency
Eco Mode	· Better fuel efficiency
Breaker Mode	· Sets pumps flow to optimal Level and boosts efficiency



ENGINE

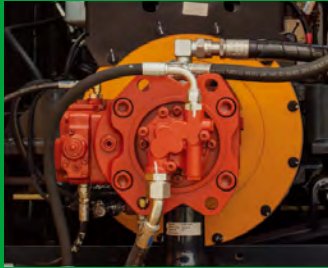
The water cooled, 4 cycle diesel, 6 cylinder in line, direct injection turbocharged engine is built for power, reliability, efficiency.

The engine is manufactured to perform in wide range of heat, humidity and dust conditions without compromising on productivity.

HYDRAULIC SYSTEM

Electro Hydraulic Control System provides wide range of flow at various workloads for paramount productivity.

Open center design of Main Control Valve (MCV) ensures fast response and maximum efficiency in tough conditions.



BEST-IN-CLASS DIGGING FORCES

Higher output even in tough working conditions

- Bucket - 15,204 kgf
- Arm - 12,716 kgf (2.4 m) / 10,901 kgf (2.9 m)



BEST-IN-CLASS TRAVEL PERFORMANCE

- Higher Traction Force
- Dual Travel Option
- High Maneuverability

Traction Force : 22,793 kgf

EFFICIENT COMBINED OPERATION

Inbuild Flow Summation system and Swing Priority function leads to faster swing cycle results in excellent output

IMPROVED FUEL EFFICIENCY



IMPROVED FUEL EFFICIENCY

Advanced CAPO System, Newly Designed CMCU, Power & Working Mode options results in excellent fuel efficiency.



ARM REGENERATION SYSTEM

Smooth Operation
Prevent Cavitation
Increased Performance & Fuel Efficiency



NEGATIVE FLOW CONTROL

Optimum balance between pump and engine output for better fuel efficiency

FUEL SAVING KIT

Monitor undue load and cut down losses. Provides better fuel efficiency

ONE TOUCH IDLE & AUTO DECELERATION

Prevents fuel losses by reducing engine rpm during no-load condition

EXCLUSIVE BREAKER MODE

Excellent fuel saving due to exclusive power for breaker operation



AIR CONDITIONER

- High Performance Air Conditioner
- Improved AC Ducting
- Water Bottle Cooling System



- AC Front Vent
- Hour Meter
- 24V Socket



LAMP



INTEGRATED AUDIO SYSTEM WITH BLUETOOTH

COMFORTABLE OPERATION

OPERATOR DELIGHT

More space, better visibility and adjustable full suspension seat, easy to access controls ensure that the operator can work for longer hours without stress or fatigue in the comfortable and safe working environment.

360 degrees visibility fully open sunroof added side lamp & mirror ensure comfortable safe working environment.



OPERATOR SEAT

- Easily adjustable fully suspension seat with adjustable arm rest
- Operator seat belt



SPACIOUS CABIN

- More head room, large space, large door for easy entry and exit

REMOVABLE TYPE FLOOR MAT



INSTRUMENT PANEL

The user-friendly multi language option cluster making it easy to check all critical systems like

- Hydraulic oil temperature,
- Coolant temperature
- Fuel level
- Self diagnostic checks
- Maintenance management

To optimize productivity needs ensuring fuel efficiency

INCREASED MACHINE DURABILITY

This Machine is designed for general construction and Infrastructure application like soil Excavation and Sand Loading.



STRONG FRONT ATTACHMENTS

Use of specialized advance steel plates and reinforced design for higher strength and durability



RUGGED UNDERCARRIAGE

X frame provides excellent resistance to torsional bending to enhance structure life



RELIABLE ELECTRICALS

- Dust and water proof connectors
- Longer component life



SWING & TRAVEL SYSTEM

Highly efficient hyundai designed swing and travel system ensure maximum reliability and performance.



AIR PRE-CLEANER Option

- Improves engine performance
- Removes dirt and debris from air before entering air filter
- Improves air filter life
- Low maintenance cost



LOWER FRAME BELLY GUARD



FORGED RING BODY



CASTED BUCKET CONTROL LINK



DURABLE MOUNTING PIN BUSH



DIMPLE BUSH

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.

SIMPLIFIED MAINTENANCE

LEADING SERVICE INTERVAL

More efficient cooling system which extend service intervals, minimize operating cost and reduce machine down time.

CHANGE INTERVAL	
Hydraulic Oil	5,000 hrs
Hydraulic Filter	1,000 hrs
Engine Oil	500 hrs
Engine Filter	500 hrs

EASY ACCESSIBILITY

Easy access for maintenance means regular checks get done faster. Machines feature easy service access to increase uptime and reduce operating costs.



FUEL FILLER PUMP Option



7-INCH LCD MONITOR

Operator can check the machine's vital signs without any difficulties

- **Maintenance Management**
Proactive maintenance
- **Self Diagnostic**
Reduces down time
- **Warning Indicator**
Ensures safe working



IMPROVED COOLING EFFICIENCY

- Radiator and oil cooler are arranged side by side to maximize efficiency
- Easily accessible from ground level to clean



ENHANCED SAFETY

SAFETY - PEACE OF MIND AND OPERATOR CONVENIENCE

Cabin is integrally welded with low-stress using high strength steel to provide enhanced protection. Handrails and steps are provided for easy operation. Engine fan guard avoid chances of accidental injury.



COUNTER BALANCE VALVE

Works as a hydrostatic brake and prevents machine against accidental roll down in steep gradients.



BOOM & ARM HOLDING SYSTEM

Prevent attachments from drifting against gravity due to prolonged overhanging.



AUTO ENGINE OVERHEAT & WARM UP FUNCTION



BATTERY DISCONNECT SWITCH



LOWER BELLY GUARD



GREASE NIPPLE WITH CAP



POSITIVE LOCKING NEW CLAMP



TANK SAFETY COVER



EMERGENCY SHUTDOWN SWITCH



FIRE EXTINGUISHER

SPECIFICATIONS

ENGINE			
Maker / Model		Cummins / 6B5.9-C	
Type		Water cooled, 4 cycle Diesel, 6-Cylinders in line, direct injection, Turbocharged, charge air cooled	
Rated Flywheel Horse Power	SAE J1995 (gross)	140 HP (104 kW) at 2,000 rpm	
	J1349 (net)	129 HP (96.1 kW) @ 2,000 rpm	
Max. Torque		57.6 kgf-m (565 N-m / 416.6 lbf-ft) at 1,400 rpm	
Bore X Stroke		101 X 120 mm (3.98" X 4.72")	
Piston Displacement		5,900 cc (360 in ³)	
Batteries		2 X 12 V X 100 Ah	
Starting Motor		24 V, 4.5 kW	
Alternator		24 V, 90 Amp	

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Variable displacement axial piston pumps
Max. Flow	2 X 203 ℓ/min (2 X 53.6 US gpm / 2 X 44.7 UK gpm)
Sub-Pump for Pilot Circuit	Gear pump

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	343 bar, 350 kgf/cm ² , 4,975 psi
Travel	350 bar, 357 kgf/cm ² , 5,076 psi
Swing Circuit	250 bar, 265 kgf/cm ² , 3,626 psi
Pilot Circuit	4 bar, 4 kgf/cm ² , 57 psi
Service Valve	Installed

HYDRAULIC CYLINDERS	
No. of Cylinder Bore X Stroke	2-120 X 1,290 mm (4.7" X 50.8")(STD)
	1-140 X 1,443 mm (5.5" X 59.4")(STD)
	1-120 X 1,060 mm (4.72" X 41.5")(STD)

DRIVES & BRAKES	
Drive Method	Fully hydrostatic type
Drive Motor	Axial piston motor, 2-speed
Reduction System	2-Stage Planetary reduction gear
Max. Drawbar Pull	22,793 kgf (50,250 lbf)
Max. Travel Speed (high / low)	5.8 km/hr (3.60 mph) 3.2 km/hr (1.99 mph)
Gradeability	35%(70 %)
Parking Brake	Multi wet disc

CONTROL	
Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.	
Pilot Control	Two joysticks with one safety lever (LH): Swing and arm, (RH): Boom and bucket (ISO)
Traveling and Steering	Two levers with pedals
Engine Throttle	Electric, Dial type
Lights	One light mounted on the boom and one in the battery box

SWING SYSTEM	
Swing Motor	Hydraulic piston motor
Swing Reduction	2-Stage Planetary gear reduction
Swing Bearing lubrication	Grease-bathed
Swing Brake	Multi wet disc
Swing Speed	11 rpm

SERVICE CAPACITIES			
	liter	US gal	UK gal
Fuel Tank	340	89.8	74.8
Engine Coolant	25.5	6.7	5.6
Engine Oil	19	5.0	4.2
Hydraulic System (Including Tank)	220.0	58.1	48.4
Hydraulic Tank	150	39.6	33

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	HX210SG	HX220SG
Center Frame	X-leg type	X-leg type
Track Frame	Pentagonal box type	Pentagonal box type
No. of Shoes on Each Side	45 EA	49 EA
No. of Carrier Rollers on Each Side	2 EA	2 EA
No. of Track Rollers on Each Side	7 EA	8 EA
No. of Rail Guards on Each Side	1 EA	2 EA

OPERATING WEIGHT (APPROXIMATE)	
Operating weight, including 5,700 mm (18' 8") boom, 2,900 mm (9' 6") arm, SAE heaped 0.92m ³ (1.20 yd ³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.	

MAJOR COMPONENT WEIGHT	
Upperstructure	5,370 kg (11,840 lb)
Counterweight	HX210SG : 3,800 kg (8,380 lb) HX220SG : 4,200 kg (9,260 lb) HX220SG : 5,300 kg (11,680 lb)
Boom (GP type)	1,960kg (4,321lb)

OPERATING WEIGHT							
Model	Counter weight kg	Boom mm	Arm mm	Bucket m ³	Shoe mm	Operating Weight kg	Ground Pressure kgf/cm ²
HX210SG	3,800	5,700	2,400	0.92	600 : TG	20,502	0.485
HX210SG	3,800	5,700 : HD	2,900 : HD	0.92		20,815	0.493
HX220SG	3,800	5,700	2,400	0.92		21,022	0.416
HX220SG	4,200	5,700 : HD	2,900 : HD	0.92 : HD	800 : TG	21,735	0.465
HX220SG (LR)	5,300	8,500 : SLR	6,200 : SLR	0.51		23,985	0.385

* Various options, including a 700 mm shoe, are available.

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

All buckets are welded with high-strength steel.

Model		Capacity		Width		Weight kg (lb)	Tooth EA	Recommendatio mm (ft-in)				
		m³(yd³)		mm (in)				3.8 ton CWT				5.3 ton CWT
		SAE heaped	CECE heaped	Without Side Cutters	With Side Cutters			5,700 (18' 8") Boom	5,700 HD (18' 8") Boom	5,700 (18' 8") Boom	5,700 HD (18' 8") Boom	8,500 (27' 11") Boom
								2,000 (6' 7") Arm	2,400 (7' 10") Arm	2,900 (9' 6") Arm	2,900 HD (9' 6") Arm	6,200 (20' 40") Arm
HX210SG HX220SG	⊙	0.92 (1.20)	0.81 (1.06)	1,085 (42.7")	1,230 (48.4")	750 (1,650)	5	●	●	●	●	-
	⊙	1.05 (1.37)	0.96 (1.26)	1,220 (48.0")	1,370 (53.9")	790 (1,740)	5	●	●	◐	◐	-
	⊙	1.17 (1.53)	1.00 (1.31)	1,340 (52.8")	1,490 (58.7")	850 (1,870)	6	●	◐	■	■	-
	◆	0.92 (1.20)	0.83 (1.09)	1,050 (41.3")	1,095 (43.1")	865 (1,910)	5	●	●	●	◐	-
	◆	1.08 (1.41)	0.97 (1.27)	1,200 (47.2")	1,245 (49.0")	935 (2,060)	5	●	◐	◐	■	-
	◆	0.91 (1.19)	0.83 (1.09)	1,050 (41.3")	1,095 (43.1")	1,050 (2,310)	4	●	●	◐	◐	-
	◆	1.23 (1.61)	1.11 (1.45)	1,350 (53.1")	1,395 (54.9")	1,240 (2,730)	5	■	■	▲	▲	-
	◆	0.87 (1.14)	0.75 (0.98)	1,150 (45.3")	- -	875 (1,930)	5	●	●	●	●	-
	◆	1.20 (1.57)	1.00 (1.31)	1,425 (56.1")	- -	990 (2,180)	5	◐	■	■	■	-
	★	0.51 (0.67)	0.45 (0.59)	865 (34.1")	995 (39.2")	395 (0,870)	5	-	-	-	-	■

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

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

ATTACHMENT

5.70 m (18' 8"), 8.50 m (27' 11") Booms and 2.0 m (6' 7"), 2.4 m (7' 10"), 2.9 m (9' 6"), 6.2 m (20' 4") Arms are available.

DIGGING FORCE

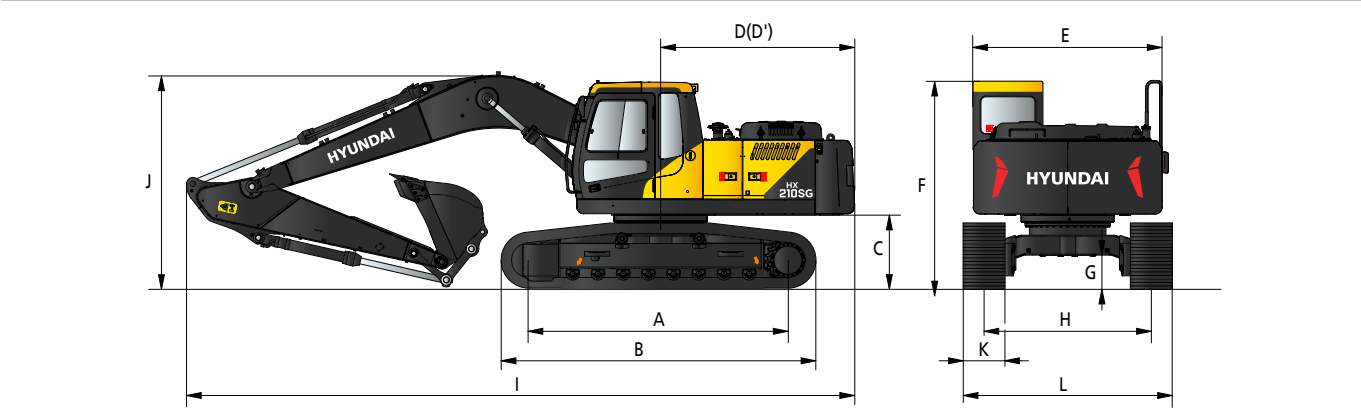
Boom	Length	mm (ft.in)	5,700 (18' 8")			8,500 (27' 11")
	Weight	kg (lb)	GP: 1,960 (4,321) / HD: 2,030 (4,475)			2,370 (5,225)
Arm	Length	mm (ft.in)	2,000 (6' 7")	2,400 (7' 10")	2,900 (9' 6")	6,200 (20' 4")
	Weight	kg (lb)	815 (1,797)	895 (1,973)	GP 1,120 (2,469) HD 1,120 (2,469)	1,290 (2,844)
Bucket Digging Force	SAE	kN	131	131	131	68
		kgf	13,307	13,307	13,307	6,934
		lbf	29,338	29,338	29,338	15,287
	ISO	kN	149	149	149	80
		kgf	15,204	15,204	15,204	8,188
		lbf	33,519	33,519	33,519	18,052
Arm Crowd Force	SAE	kN	144	119	103	50
		kgf	14,715	12,155	10,483	5,048
		lbf	32,440	26,797	23,110	11,129
	ISO	kN	152	125	107	51
		kgf	15,500	12,716	10,901	5,150
		lbf	34,171	28,034	24,032	11,353

Note: Boom weight includes arm cylinder, piping, and pin / Arm weight includes bucket cylinder, linkage, and pin
GP - General Purpose / HD - Heavy Duty

DIMENSIONS & WORKING RANGE

HX210SG/HX220SG DIMENSIONS

5.70 m (18' 8") Boom and 2.0 m (6' 7"), 2.4 m (7' 10"), 2.9 m (9' 6") Arm

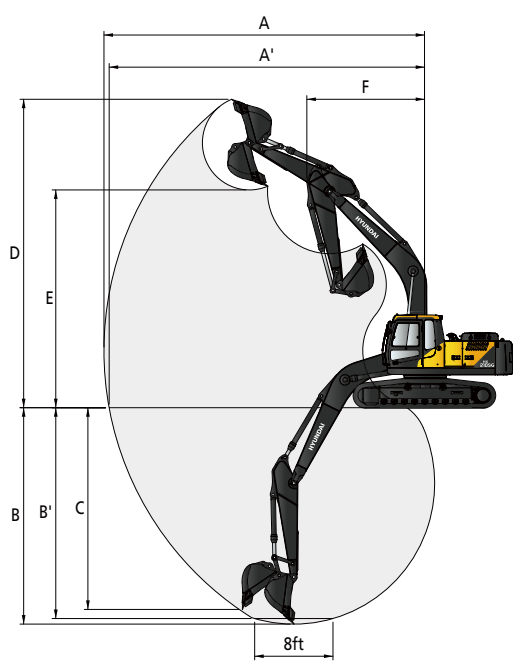


Model	HX210SG	HX220SG
A Tumbler Distance	3,270 (10'9")	3,650 (12'0")
*B Overall Length of Crawler	4,066 (13'4")	4,440 (14' 7")
*C Ground Clearance of Counterweight	1,048 (3' 5")	1,048 (3' 5")
D Tail Swing Radius	2,845 (9'4")	2,845 (9'4")
D' Rear-end Length	2,770 (9'1")	2,770 (9'1")
E Overall Width of Upper-structure	2,700 (8'10")	2,700 (8'10")
F Overall Height of Cab	3,010 (9' 11")	3,010 (9' 11")
G Min. Ground Clearance	450 (1' 6")	472 (1'7")
H Track Gauge	2,200 (7'3")	2,390 (7'10")

Model	HX210SG	HX220SG
Boom length	5,700 (18' 8")	5,700 (18' 8")
Arm length	2,400 (7' 10")	2,900 (9' 6")
I Overall Length	9,575 (31' 5")	9,550 (31' 4")
J Overall Height of Boom	3,165 (10' 5")	3,050 (10' 0")
K Track Shoe Width	Type	Triple Grouser
	Width	600 (24")
L Overall Width	2,990 (9' 10")	3,190 (10'6")

* This figure includes the size of grousers.

HX210SG/HX220SG WORKING RANGE

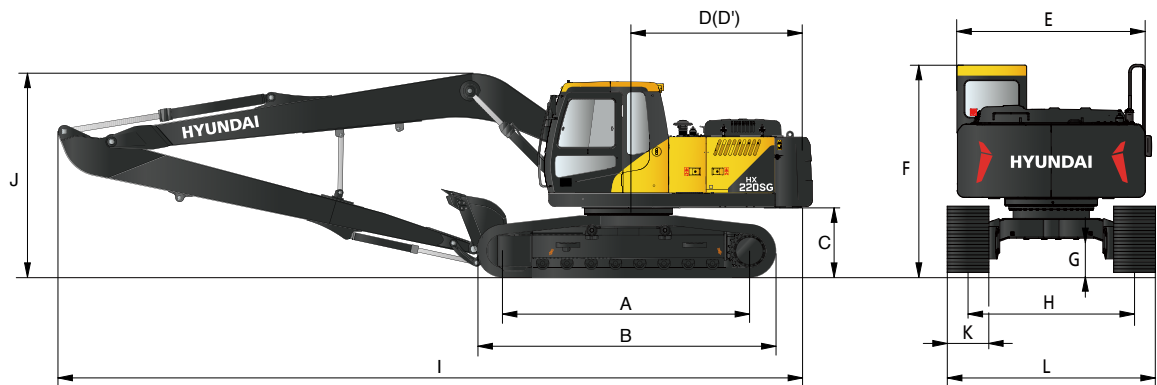


Model	HX210SG	HX220SG
Boom Length	5,700 (18' 8")	
Arm Length	2,400 (7'10")	2,900 (9'6")
A Max. Digging Reach	9,525 (31'3")	9,945 (32'8")
A' Max. Digging Reach on Ground	9,345 (30'8")	9,755 (32'1")
B Max. Digging Depth	5,950 (19'6")	6,455 (21'4")
B' Max. Digging Depth (8' Level)	5,755 (18' 11")	6,280 (20' 7")
C Max. Vertical Wall Digging Depth	5,410 (17' 9")	5,925 (19' 5")
D Max. Digging Height	9,660 (31' 8")	9,785 (32' 1")
E Max. Dumping Height	6,865 (22' 6")	7,025 (23' 1")
F Min. Swing Radius	3,400 (11' 2")	3,425 (11' 3")

DIMENSIONS & WORKING RANGE

HX220SG LONG REACH DIMENSIONS

8.50 m (27' 11") boom, 6.2 m (20' 4") arm



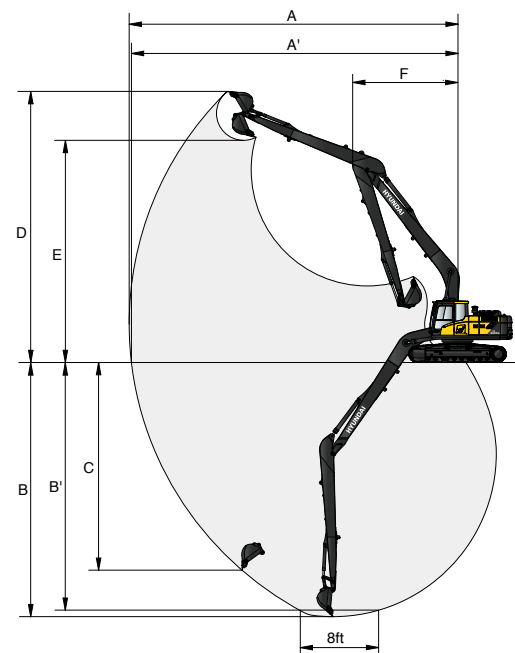
A	Tumbler Distance	3,650 (12' 0")
*B	Overall Length of Crawler	4,440 (14' 7")
*C	Ground Clearance of Counterweight	1,048 (3' 5")
D	Tail Swing Radius	2,845 (9' 4")
D'	Rear-end Length	2,770 (9' 1")
E	Overall Width of Upperstructure	2,700 (8' 10")
F	Overall Height of Cab	3,010 (9' 11")
G	Min. Ground Clearance	472 (1' 7")
H	Track Gauge	2,390 (7' 10")

* This figure includes the size of grouser.

	Boom Length	8,500 (27' 11")
	Arm Length	6,200 (20' 4")
I	Overall Length	12,360 (40' 7")
J	Overall Height of Boom	3,460 (11' 4")
K	Track Shoe Width	800 (32")
L	Overall Width	3,190 (10' 6")

Unit : mm (ft-in)

HX220SG LONG REACH WORKING RANGE



Boom Length	8,500 (27' 11")
Arm Length	6,200 (20' 4")
A Max. Digging Reach	15,425 (50' 7")
A' Max. Digging Reach on Ground	15,315 (50' 3")
B Max. Digging Depth	11,420 (37' 6")
B' Max. Digging Depth (8' Level)	11,320 (37' 2")
C Max. Vertical Wall Digging Depth	10,230 (33' 7")
D Max. Digging Height	13,480 (44' 3")
E Max. Dumping Height	11,235 (36' 10")
F Min. Swing Radius	4,705 (15' 5")

Unit : mm (ft-in)

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX210SG MONO BOOM

5.70 m (18' 8") GP boom, 2.00 m (6' 7") GP arm equipped with 600 mm (24") triple grouser shoe and 3,800 kg counterweight

Load Point Height (m)		Lift-Point Radius										At Max. Reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Capacity		Reach
														(m)
7.5 m	kg											4,920	4,920	5.33
6.0 m	kg							*4,810	4,080					
4.5 m	kg			*8,920	*8,920	*6,290	*6,290	*5,250	3,910			4,170	2,700	7.36
3.0 m	kg													
1.5 m	kg					8,500	5,200	5,410	3,420	3,810	2,400	3,550	2,240	7.83
0.0 m	kg					8,260	4,990	5,240	3,270	3,740	2,330	3,650	2,280	7.62
-1.5 m	kg			*11,770	9,870	8,250	4,980	5,200	3,230			4,070	2,540	7.08
-3.0 m	kg			*11,930	10,120	8,400	5,110	5,310	3,330			5,150	3,230	6.13
-4.5 m	kg					*6,090	5,440					*6,090	5,440	4.50

HX210SG MONO BOOM

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

Load Point Height (m)		Lift-Point Radius										At Max. Reach			
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Capacity		Reach	
															(m)
7.5 m	kg												*4,260	4,240	5.91
6.0 m	kg							*4,410	4,120				*4,030	2,990	7.08
4.5 m	kg					*5,740	*5,740	*4,890	3,930	4,040	2,610		3,770	2,420	7.78
3.0 m	kg					*7,430	5,770	*5,660	3,660	3,910	2,500		3,380	2,130	8.15
1.5 m	kg					8,550	5,230	5,400	3,400	3,780	2,370		3,240	2,010	8.23
0.0 m	kg			*5,910	*5,910	8,230	4,960	5,200	3,230	3,680	2,280		3,310	2,040	8.03
-1.5 m	kg			*10,640	9,670	8,160	4,900	5,130	3,160	3,660	2,260		3,650	2,250	7.52
-3.0 m	kg			*12,730	9,900	8,260	4,990	5,190	3,210				4,470	2,780	6.63
-4.5 m	kg			*9,760	*9,760	*6,950	5,250						*5,830	4,260	5.17

HX210SG MONO BOOM

5.70 m (18' 8") GP boom, 2.90 m (9' 6") GP arm equipped with 600 mm (24") triple grouser shoe and 3,800 kg counterweight

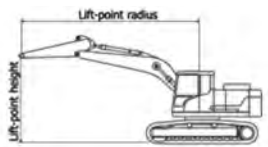
Load Point Height (m)		Lift-Point Radius										At Max. Reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Capacity		Reach
														(m)
7.5 m	kg							*3,870	*3,870			*3,100	*3,100	6.47
6.0 m	kg							*3,910	*3,910	*3,100	2,700	*2,950	2,660	7.55
4.5 m	kg							*4,430	3,980	4,060	2,630	*2,970	2,170	8.22
3.0 m	kg			*10,780	*10,780	*6,740	5,910	*5,240	3,700	3,920	2,490	3,080	1,920	8.57
1.5 m	kg			*5,860	*5,860	*8,430	5,310	5,410	3,410	3,760	2,350	2,950	1,810	8.64
0.0 m	kg			*6,930	*6,930	8,230	4,950	5,180	3,200	3,640	2,230	3,000	1,820	8.45
-1.5 m	kg	*6,320	*6,320	*10,130	9,490	8,080	4,820	5,060	3,090	3,580	2,180	3,270	1,980	7.97
-3.0 m	kg	*9,910	*9,910	*13,560	9,670	8,130	4,860	5,080	3,100			3,900	2,390	7.14
-4.5 m	kg			*11,070	10,040	*7,730	5,050					5,520	3,430	5.81

HX210SG MONO BOOM

5.70 m (18' 8") GP boom, 2.00 m (6' 7") GP arm equipped with 600 mm (24") triple grouser shoe and 3,800 kg counterweight

Load Point Height (m)		Lift-Point Radius										At Max. Reach		
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Capacity		Reach
														(m)
7.5 m	kg							*3,780	*3,780			*3,060	*3,060	6.47
6.0 m	kg							*3,830	*3,830	*3,060	2,630	*2,910	2,590	7.55
4.5 m	kg							*4,330	3,920	4,000	2,560	*2,930	2,100	8.22
3.0 m	kg			*10,600	*10,600	*6,610	5,820	*5,120	3,620	3,850	2,420	3,010	1,840	8.57
1.5 m	kg			*5,820	*5,820	*8,270	5,180	5,320	3,310	3,680	2,260	2,880	1,720	8.64
0.0 m	kg			*6,900	*6,900	8,090	4,800	5,070	3,080	3,550	2,140	2,920	1,730	8.45
-1.5 m	kg	*6,280	*6,280	*10,100	9,240	7,930	4,670	4,950	2,970	3,490	2,080	3,180	1,890	7.97
-3.0 m	kg	*9,870	*9,870	*13,310	9,440	7,980	4,710	4,970	2,990			3,810	2,300	7.14
-4.5 m	kg			*10,840	9,840	*7,560	4,920					5,420	3,320	5.81

- 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

HX220SG MONO BOOM

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

Load Point Height (m)		Lift-Point Radius										At Max. Reach	
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Capacity	
													
7.5 m	kg											*4,920	*4,920
6.0 m	kg											*4,790	3,820
4.5 m	kg											*4,850	3,060
3.0 m	kg			*8,920	*8,920	*6,290	*6,290	*5,250	4,400			*4,440	2,700
1.5 m	kg					*7,960	6,460	*5,980	4,140	4,690	2,860	4,260	2,560
0.0 m	kg					*9,350	5,960	6,510	3,900	4,570	2,750	4,260	2,560
-1.5 m	kg					*9,890	5,740	6,340	3,750	4,490	2,680	4,390	2,620
-3.0 m	kg			*11,770	11,540	*9,650	5,730	6,300	3,710			4,900	2,920
-4.5 m	kg			*11,930	11,800	*8,640	5,860	*6,260	3,810			*6,070	3,700
						*6,090	*6,090					*6,090	*6,090

HX220SG MONO BOOM

5.70 m (18'8") GP boom, 2.90 m (9'6") GP arm equipped with 800 mm (32") triple grouser shoe and 4,200 kg counterweight

Load Point Height (m)		Lift-Point Radius										At Max. Reach	
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Capacity	
													
7.5 m	kg											*4,260	*4,260
6.0 m	kg											*4,030	3,380
4.5 m	kg					*5,740	*5,740	*4,890	4,420	*4,510	2,960	*4,050	2,750
3.0 m	kg					*7,430	6,550	*5,660	4,150	4,680	2,850	4,050	2,440
1.5 m	kg					*8,970	5,990	*6,440	3,880	4,540	2,720	3,900	2,320
0.0 m	kg			*5,910	*5,910	*9,730	5,710	6,300	3,700	4,440	2,630	3,990	2,360
-1.5 m	kg			*10,640	*10,640	*9,710	5,650	6,220	3,630	4,420	2,610	4,400	2,600
-3.0 m	kg			*12,730	11,580	*8,930	5,740	6,290	3,690			5,400	3,200
-4.5 m	kg			*9,760	*9,760	*6,950	6,010					*5,830	4,860

HX220SG MONO BOOM

5.70 m (18' 8") GP boom, 2.90 m (9' 6") GP arm equipped with 600 mm (24") triple grouser shoe and 3,800 kg counterweight

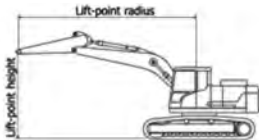
Load Point Height (m)		Lift-Point Radius										At Max. Reach	
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Capacity	
													
7.5 m	kg							*3,870	*3,870			*3,100	*3,100
6.0 m	kg							*3,910	*3,910	*3,100	3,050	*2,950	*2,950
4.5 m	kg							*4,430	*4,430	*4,130	2,980	*2,970	2,480
3.0 m	kg			*10,780	*10,780	*6,740	6,690	*5,240	4,190	*4,510	2,850	*3,120	2,210
1.5 m	kg			*5,860	*5,860	*8,430	6,070	*6,100	3,890	4,520	2,700	*3,430	2,100
0.0 m	kg			*6,930	*6,930	*9,470	5,700	6,280	3,670	4,390	2,580	3,630	2,120
-1.5 m	kg	*6,320	*6,320	*10,130	*10,130	*9,720	5,570	6,160	3,570	4,340	2,530	3,960	2,300
-3.0 m	kg	*9,910	*9,910	*13,560	11,340	*9,220	5,610	6,170	3,580			4,720	2,770
-4.5 m	kg			*11,070	*11,070	*7,730	5,810					*5,640	3,930

HX220SG MONO BOOM

5.70 m (18' 8") HD boom, 2.90 m (9' 6") HD arm equipped with 600 mm (24") triple grouser shoe and 4,213 kg counterweight

Load Point Height (m)		Lift-Point Radius										At Max. Reach	
		1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		Capacity	
													
7.5 m	kg							*3,780	*3,780			*3,060	*3,060
6.0 m	kg							*3,830	*3,830	*3,060	3,060	*2,910	*2,910
4.5 m	kg							*4,330	*4,330	*4,030	3,090	*2,930	2,570
3.0 m	kg			*10,600	*10,600	*6,610	*6,610	*5,120	4,340	*4,400	2,950	*3,080	2,290
1.5 m	kg			*5,820	*5,820	*8,270	6,290	*5,960	4,030	4,670	2,790	*3,390	2,170
0.0 m	kg			*6,900	*6,900	*9,280	5,900	6,480	3,800	4,530	2,670	3,750	2,190
-1.5 m	kg	*6,280	*6,280	*10,100	*10,100	*9,520	5,760	6,350	3,690	4,470	2,610	4,080	2,380
-3.0 m	kg	*9,870	*9,870	*13,310	11,760	*9,030	5,810	6,370	3,700			4,870	2,860
-4.5 m	kg			*10,840	*10,840	*7,560	6,020					*5,500	4,070

- | 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.



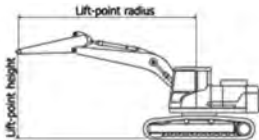
 Rating over-front  Rating over-side or 360 degree

HX220SG LONG REACH BOOM

8.50 m (27' 11") GP boom, 6.20 m (20' 4") GP arm equipped with 800 mm (32") triple grouser shoe and 5,300 kg counterweight

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)		10.5m (34.4ft)		12.0m (39.4ft)	
																	
12.0m	kg													*420	*420		
10.5m	kg															*130	*130
9.0m	kg															*960	*960
7.5m	kg													*1,320	*1,320	*1,310	*1,310
6.0m	kg													*1,500	*1,500	*1,420	*1,420
4.5m	kg															*940	*940
3.0m	kg															*520	*520
1.5m	kg															*580	*580
0.0m	kg															*800	*800
-1.5m	kg	*1,540	*1,540	*2,370	*2,370	*4,430	*4,430	*6,170	4,390	*4,460	2,990	*3,430	2,120	*2,740	1,520	2,220	1,090
-3.0m	kg	*2,370	*2,370	*3,110	*3,110	*4,830	*4,830	*6,480	4,120	*4,740	2,790	*3,640	1,980	2,820	1,430	2,160	1,030
-4.5m	kg	*3,210	*3,210	*3,980	*3,980	*5,590	*5,590	*6,570	4,020	*4,870	2,700	3,670	1,910	2,760	1,380	2,140	1,000
-6.0m	kg	*4,080	*4,080	*4,940	*4,940	*6,620	*6,620	*6,450	4,040	*4,820	2,690	3,660	1,890	2,760	1,380	2,150	1,020
-7.5m	kg	*5,010	*5,010	*6,020	*6,020	*7,900	7,230	*6,070	4,180	*4,550	2,760	*3,490	1,950	*2,660	1,430		
-9.0m	kg			*7,250	*7,250	*7,460	*7,460	*5,340	4,430	*3,970	2,920	*2,930	2,080				
-10.5m	kg							*3,990	*3,990	*2,760	*2,760						

- | 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.



STANDARD / OPTION

ENGINE	STD	OPT
Cummins B5.9	●	
HYDRAULIC SYSTEM		
3-power mode, 2-work mode, user mode	●	
Engine auto deceleration	●	
CAB & INTERIOR		
ISO STANDARD CABIN		
Rise-up type windshield wiper	●	
Radio / USB player	●	
12 volt power outlet (24V DC to 12V DC converter)	●	
Electric horn	●	
All-weather steel cab with 360° visibility	●	
Sliding fold-in front window	●	
Sliding side window(LH)	●	
Lockable door	●	
Storage compartment	●	
Door and cab locks, one key	●	
Mechanical suspension seat	●	
Pilot-operated slidable joystick	●	
Cabin lights	●	
Air compressor		●
AUTOMATIC CLIMATE CONTROL		
Air conditioner	●	
Heater		●
Starting aid (air grid heater) for cold weather	●	
CENTRALIZED MONITORING		
Engine speed or trip meter / Accel.	●	
Engine coolant temperature gauge	●	
Low speed / High speed	●	
Auto idle	●	
Air cleaner clogging	●	
Indicators	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
Warnings	●	
Communication error	●	
Low battery	●	
Clock	●	

* 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.

SAFETY	STD	OPT
Battery master switch	●	
Two front working lights (1 boom mounted, 1 front frame mounted)	●	
Travel alarm		●
Beacon lamp		●
Automatic swing brake	●	
Two outside rearview mirror	●	
Wire net guard		●
Additional boom lights		●
ATTACHMENT		
BOOMS		
5.70m, 18' 8" Mono	●	
5.70m, 18' 8" Heavy Duty		●
8.50m, 27' 11" Long Reach		●
ARMS		
2.00m, 6' 7"		●
2.40m, 7' 10"	●	
2.90m, 9' 6"		●
2.90m, 9' 6" Heavy Duty		●
6.20m, 20' 4"		●
OTHERS		
Pre-Cleaner		●
Removable clean-out dust net for cooler	●	
Removable reservoir tank	●	
Fuel pre-filter (large capa.)		●
Self-diagnostics system	●	
Hi MATE (Remote Management System)		●
Batteries (2 x 12V x 100 AH)	●	
Fuel filler pump (35 L/min)		●
Single-acting piping kit (breaker, etc.)		●
Accumulator for lowering work equipment		●
Tool kit	●	
COUNTERWEIGHT		
3.8 ton CWT	●	
4.2 ton CWT		●
5.3 ton CWT		●
UNDERCARRIAGE		
Lower frame under cover (additional)		●
Lower frame under cover (normal)	●	
TRACK SHOES		
Triple grouzers shoes (600mm, 24")	●	
Triple grouzers shoe (700mm, 28")		●
Triple grouzers shoe (800mm, 32")		●
Track rail guard	●	

MEMO