

MOVING YOU FURTHER

HX220 L / NL

With Tier4 final / Stage IV Engine installed



*Photo may include optional equipment.

 **HYUNDAI CONSTRUCTION EQUIPMENT**

PLEASE CONTACT

www.hyundai-ce.com

2017. 04 Rev.2

Net Power

SAE J1349 / 173 HP (129 kW) at 1,950 rpm

Gross Power

SAE J1995 / 182.6 HP (136 kW) at 1,950 rpm

Travel Speed

5.5 km/hr (3.41 mph) /
3.6 km/hr (2.23 mph)

Operating Weight

HX220L : 22,100 kg / 48,720 lbs
HX220NL : 22,300 kg / 49,160 lbs

 **HYUNDAI**
CONSTRUCTION EQUIPMENT



RULE THE GROUND

The HX Series excavators are products of HHI's spirit of initiative, creativity, and strong drive. HHI'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

HX220 L/NL

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



WORK MAX, WORTH MAX

- ECO Gauge
- IPC (Intelligent Power Control)
- New Variable Power Control
- Electronic Viscous Fan Clutch
- Attachment Flow Control (Option)
- New Cooling System with Increased Air Flow
- Enlarged Air Inlet with Grill Cover
- One Pedal Straight Travel (Option)
- Cycle Time Improvement
- Boom Floating Control (Option / HX220 L only)



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

- Intelligent and Wide Cluster
- Haptic Control
- Operating Simulation for Joy & Achievement
- Wi-Fi Direct with Smart Phone (Miracast)
- Proportional Auxiliary Hydraulic System
- New Audio System
- New Air Conditioning System



MODERN COMFORT, SIMPLE AND SAFE SOLUTION

- AAVM (Advanced Around View Monitoring) Camera System (Option)
- Easy Access to DEF/AdBlue® Supply System
- Hi-mate (Remote Management System) (Option)
- Swing Lock System (Option)
- Fine Swing Control (Option)



*Photo may include optional equipment.



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Cycle Time Improvement

The HX Series has higher productivity with faster cycle speeds: it loads trucks up to 5% faster and levels up to 4% faster than the 9 Series.

Boom Floating Control (Option / HX220L only)

This option allows for improved stability and control when leveling. The boom is allowed to float with the arm-in and arm-out movement.

MAXIMUM PERFORMANCE

Optimal Performance with Fuel Efficiency

The HX Series is equipped with eco-friendly, high-performance engines that meet the Tier 4 Final emission requirements.



ECO Gauge

Using this function, the operator can monitor fuel consumption in real-time or review historical data. The colored gauge represents engine torque and fuel efficiency. Also displayed are the average and total fuel consumed. The hourly and daily fuel consumption is also viewable through the menu.



IPC (Intelligent Power Control)

This mode analyzes operator control patterns, and automatically adjusts engine RPM and hydraulic flow to ensure maximum fuel economy and productivity.

New Variable Power Control

The HX Series improves fuel efficiency with its new variable power control. Its three-stage Power mode ensures the highest performance in any operating environment.

- * P (power) mode: Maximizes speed and power for heavy work.
- * S (standard) mode: Optimizes performance and fuel efficiency for general work.
- * E (economy) mode: Improves control and efficiency for light work.

Electronic Viscous Fan Clutch

The electronic fan clutch reduces noise, and minimizes fuel consumption during operation by precisely controlling RPM depending on the hydraulic oil and coolant temperature. During cold applications the fan is slowed to allow for hydraulic oil to warm up to optimal operating temperature.



Attachment Flow Control (Option)

The HX Series improves pump flow rate by giving the operator independent control of two pumps. It optimizes flow rate settings according to the attachment type (ten breaker types and ten crusher types), which is ideal for various applications.



Reinforced, Vented Cooler Door Grill

The cooler door grill is designed for maximum air flow and reduced contamination.

One Pedal Straight Travel (Option)

Activated by a toggle button, the left-hand pedal allows for straight forward and reverse travel. This is ideal when working along roads, banks, trenches, and when traveling longer distances.

New Cooling System with Increased Air Flow

The HX Series has a vertically stacked cooling configuration which provides improved cooling efficiency through increased air flow and reduced heat.

RUGGED, RELIABLE AND DURABLE

Robust and Safe Structural Design

The true value of the HX Series lies in its durability and high productivity. The robust upper and lower frame structure can endure external shock and heavy work loads. Attachment performance has been proven through rigorous field testing. No matter how tough the working environment is, you can always rely on the HX series.



Durable Cooling Module

The HX Series has a durable cooling module designed to produce maximum productivity in the harshest working environments.



Chrome Coated Pins

Reinforced Pins, Bushing, and Polymer Shims

The HX series features improved component reliability through the attachment. Wear gaps that occur between the attachment and the boom are minimized by wear-resistant long-life pins, bushings, and polymer shims, for maximum performance and durability.

Wear Resistant Cover Plate

A wear-resistant cover plate is installed at the end of the arm to minimize abrasion on the pin connection between the arm and the bucket. Reduced bucket vibrations improve operator control even under heavy load conditions.



Reinforced Durability of Upper and Lower Structure and Attachments

The upper and lower structure and attachments of the HX Series are reinforced and engineered to handle the most demanding jobs.



*Photo may include optional equipment.

Hi-grade (High-pressure) Hoses

The HX Series uses high grade, high-pressure hoses with increased heat and pressure resistance for improved durability.



310mm
(9 Series)

340mm
(HX Series)

Cabin space for
drivers increased by
13%
(Compared to 9 Series)

*Photo may include optional equipment.

New Air Conditioning System

The HX series features an enhanced capacity air conditioning and heating system. The APTC auxiliary heat capacity is increased by 15%, providing a consistently comfortable operating environment. The ventilation was designed so that warm and cool air can be directed to the operators' faces, increasing their work satisfaction.

CAB COMFORT ENHANCEMENTS

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 HHI'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. The audio AUX, air conditioner, heater integration, wiper, lamp, overload warning, travel, alarm and inclinator also contribute to operator productivity.



Haptic Control

The integrated jog shuttle-type haptic controller controls to the accelerator, air conditioner, and all functions within the cluster for maximum convenience.

Wi-Fi Direct with Smart Phone (Miracast)

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.)



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.

Proportional Auxiliary Hydraulic System (Option)

- Proportional control switch for better speed control
- Enlarge the operation convenience

ADVANCED TECHNOLOGIES & SAFE SOLUTIONS

New Cab Designed for Ergonomics, Comfort & Safety

Low noise, low vibration, and ergonomic design make the cab space more comfortable and pleasant. The HX Series was designed with advanced technology for maximum safety both for the operator and for the workers on the job site.



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

The HX Series has a state-of-the-art AAVM video camera system to maximize operator awareness of the surrounding areas. This system allows a 360° field of vision for operators, which minimizes accidents. Operators can maintain a constant view of the workplace in the front, the rear, the right and the left.



* AAVM (All Around View Monitoring): Provides a field of vision in all directions with nine views including a 3D bird's eye view and a 2D/4CH view.

* IMOD (Intelligent Moving Object Detection): Informs operator when people or objects are detected within a specific range of operation (recognition distance: 5 m / 16 ft).



Easy Access to DEF/AdBlue® Supply System

The DEF/AdBlue® tank is installed next to the tool box and its inlet is remotely located for easy access and convenient supply. A red lamp signal warns of overfill. The DEF/AdBlue® supply module is attached on the side of the fuel tank for easy maintenance and filter replacement.



Hi-mate (Remote Management System) (Option)

Hi-mate, Hyundai's proprietary remote management system, provides operators and dealer service personnel access to vital service and diagnostic information on the machine from any computer with internet access. Users can pinpoint machine location using digital mapping and set machine work boundaries, reducing the need for multiple service calls. Hi-mate saves time and money for the owner and dealer by promoting preventative maintenance and reducing machine downtime.

* Operation of the system may be affected adversely depending on the condition of telecommunication signal.



*Photo may include optional equipment.

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 additional precision through reduced swing shock under load at slow swing speeds.

SPECIFICATIONS

HX220 L

ENGINE		
Maker / Model	Cummins QSB6.7	
Type	4-cycle turbocharged, charger air cooled diesel engine	
Rated flywheel horse power	SAE J1995 (gross)	182.6 HP (136 kW) at 1,950 rpm
	SAE J1349 (net)	173 HP (129 kW) at 1,950 rpm
	DIN 6271/1 (gross)	185 PS (136 kW) at 1,950 rpm
	DIN 6271/1 (net)	175 PS (129 kW) at 1,950 rpm
Max. torque	85.7 kgf · m (620 lbf · ft) / 1500 rpm	
Bore × stroke	107 × 124 mm (4.2" × 4.9")	
Piston displacement	6700 cc (409cu in)	
Batteries	2 × 12 V × 100 Ah	
Starting motor	Denso 24 V-4.8 kW	
Alternator	Denso 24 V-95 A	

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem axis piston pumps
Max. flow	2 × 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: Ø120 × 1,290 mm
	Adjust Boom: Ø160 × 1,060 mm
	Arm: Ø140 × 1,510 mm
	Bucket: 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)	5.5 km/hr (3.41mph) / 3.6 km/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	10.8 rpm

SERVICE REFILL CAPACITIES

Re-filling	liter	US gal	UK gal
Fuel tank	400	106	88
Engine coolant	40	10.6	8.8
Engine oil	24.4	6.4	5.4
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
DEF/AdBlue®	27	7.1	5.9

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

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

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,680mm (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	22,100 (48,720)	0.47 (6.68)
		HX220 L HW	23,560 (51,940)	0.50 (7.11)
	700 (28")	HX220 L	22,380 (49,340)	0.41 (5.83)
		HX220 L HW	23,840 (52,560)	0.44 (6.26)
	800 (32")	HX220 L	22,660 (49,960)	0.36 (5.12)
		HX220 L HW	24,120 (53,170)	0.39 (5.55)
900 (36")	HX220 L	22,940 (50,570)	0.33 (4.69)	
	HX220 L HW	24,400 (53,790)	0.35 (4.98)	
Double grouser	600 (24")	HX220 L HW	23,690 (52,230)	0.50 (7.11)
	700 (28")	HX220 L HW	24,040 (53,000)	0.43 (6.11)

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)
The system hold 0.65kg refrigerant consisting of a CO₂ equivalent 0.93kg metric tonne. For more information, Please refer to the manual.

HX220 NL

ENGINE		
Maker / Model	Cummins QSB6.7	
Type	4-cycle turbocharged, charger air cooled diesel engine	
Rated flywheel horse power	SAE J1995 (gross)	182.6 HP (136 kW) at 1,950 rpm
	SAE J1349 (net)	173 HP (129 kW) at 1,950 rpm
	DIN 6271/1 (gross)	185 PS (136 kW) at 1,950 rpm
	DIN 6271/1 (net)	175 PS (129 kW) at 1,950 rpm
Max. torque	85.7 kgf · m (620 lbf · ft) / 1500 rpm	
Bore × stroke	107 × 124 mm (4.2" × 4.9")	
Piston displacement	6700 cc (409cu in)	
Batteries	2 × 12 V × 100 Ah	
Starting motor	Denso 24 V-4.8 kW	
Alternator	Denso 24 V-95 A	

HYDRAULIC SYSTEM

MAIN PUMP	
Type	Variable displacement tandem axis piston pumps
Max. flow	2 × 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: Ø120 × 1,290 mm
	Adjust Boom: Ø160 × 1,060 mm
	Arm: Ø140 × 1,510 mm
	Bucket: 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)	5.5 km/hr (3.41mph) / 3.6 km/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	10.8 rpm

SERVICE REFILL CAPACITIES

Re-filling	liter	US gal	UK gal
Fuel tank	310	81.9	68.2
Engine coolant	40	10.6	8.8
Engine oil	23.7	6.3	5.2
Swing device	6.2	1.64	1.36
Final drive (each)	4.5	1.2	1
Hydraulic system (including tank)	340	89.8	74.8
Hydraulic tank	165	43.6	36.3
DEF/AdBlue®	27	7.1	5.9

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

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

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,650mm (18' 6") boom, 2,920mm (9' 7") arm, SAE heaped 0.87m³ (1.14 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	500 (20")	HX220 NL	22,300 (49,160)	0.57 (8.11)
	600 (24")	HX220 NL	22,400 (49,380)	0.48 (6.83)
	700 (28")	HX220 NL	22,870 (50,420)	0.42 (5.97)

AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)
The system hold 0.65kg refrigerant consisting of a CO₂ equivalent 0.93kg metric tonne. For more information, Please refer to the manual.

BUCKET SELECTION GUIDE & DIGGING FORCE

HX220 L

BUCKETS



SAE heaped m ³ (yd ³)	0.80 (1.05) 0.92 (1.20) 1.10 (1.44) 1.20 (1.57)	1.34 (1.75)	◆0.90 (1.18) ◆1.05 (1.37)	◆0.87 (1.14)	◆1.20 (1.57)	★0.52 (0.68)
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Capacity m ³ (yd ³)	Width mm (in)	Weight kg (lb)	Recommendation mm (ft.in)									
			5,680 (18' 8") Boom				5,650 (18' 6") 2-Piece			8,200 (26' 11") Boom		
			2,000 (6' 7") Arm	2,400 (7' 10") Arm	2,920 (9' 7") Arm	3,900 (12' 10") Arm	2,000 (6' 7") Arm	2,400 (7' 10") Arm	2,920 (9' 58") Arm	6,300 (20' 8") Arm		
SAE heaped	CECE heaped	Without side cutters	With side cutters									
0.80 (1.05)	0.70 (0.92)	1,070 (42.1)	1,160 (45.7)	770 (1,700)	●	●	●	○	●	●	⊙	-
0.92 (1.20)	0.80 (1.05)	1,190 (46.9)	1,280 (50.4)	820 (1,810)	●	●	●	○	●	●	⊙	-
1.10 (1.44)	0.96 (1.26)	1,375 (54.1)	1,465 (57.7)	890 (1,960)	●	●	⊙	○	●	⊙	○	-
1.20 (1.57)	1.05 (1.37)	1,390 (54.7)	1,480 (58.3)	920 (2,030)	●	⊙	○	-	●	⊙	-	-
1.34 (1.75)	1.17 (1.53)	1,525 (60.0)	1,615 (63.6)	990 (2,180)	⊙	⊙	○	-	⊙	○	-	-
◆0.90 (1.18)	0.79 (1.03)	1,210 (47.6)	-	880 (1,940)	●	●	●	○	●	●	⊙	-
◆1.05 (1.37)	0.92 (1.20)	1,355 (53.3)	-	940 (2,070)	●	●	⊙	○	●	⊙	○	-
◆0.87 (1.14)	0.77 (1.01)	1,195 (47.0)	-	940 (2,070)	●	●	●	○	●	●	⊙	-
◆1.20 (1.57)	1.05 (1.37)	1,520 (59.8)	-	1,120 (2,470)	⊙	○	-	-	⊙	○	-	-
★0.52 (0.68)	0.45 (0.59)	945 (37.2)	1,020 (40.2)	460 (1,010)	-	-	-	-	-	-	-	⊙

- ◆ Heavy duty bucket
- ◆ Rock-Heavy duty bucket
- ★ Long reach bucket
- : Applicable for materials with density of 2,000 kgf/m³ (3,370 lbf/yd³) or less
- ⊙ : Applicable for materials with density of 1,600 kgf/m³ (2,700 lbf/yd³) or less
- : Applicable for materials with density of 1,100 kgf/m³ (1,850 lbf/yd³) or less

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 5.65 m, 5.68 m & 8.2 m Booms and 2.0 m, 2.4 m, 2.92 m, 3.9 m & 6.3 m Arms are available.

DIGGING FORCE

Boom	Length	mm (ft.in)	5,680 (18' 8")				5,650 (18' 6") 2-Piece			8,200 (26' 11")	Remark
			1,950 (4,300)				2,600 (5,730)			2,350 (5,180)	
Arm	Length	mm (ft.in)	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	6,300 (20' 8")	
	Weight	kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	1,295 (2,850)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	1,330 (2,930)	
Bucket digging force	SAE	kN	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	72.6	[] : Power Boost
		kgf	13600 [14770]	13600 [14770]	13600 [14770]	13600 [14770]	13600 [14770]	13600 [14770]	13600 [14770]	7400	
		lbf	29980 [32550]	29980 [32550]	29980 [32550]	29980 [32550]	29980 [32550]	29980 [32550]	29980 [32550]	16310	
	ISO	kN	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	83.4	
		kgf	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	8500	
		lbf	34170 [37100]	34170 [37100]	34170 [37100]	34170 [37100]	34170 [37100]	34170 [37100]	34170 [37100]	18740	
Arm crowd force	SAE	kN	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	84.3 [91.6]	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	49.0	
		kgf	14700 [15960]	12200 [13250]	10400 [11290]	8600 [9340]	14700 [15960]	12200 [13250]	10400 [11290]	5000	
		lbf	32410 [35190]	26900 [29210]	22930 [24900]	18960 [20590]	32410 [35190]	26900 [29210]	22930 [24900]	11020	
	ISO	kN	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	87.3 [94.8]	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	50.0	
		kgf	15400 [16720]	12800 [13900]	10900 [11830]	8900 [9660]	15400 [16720]	12800 [13900]	10900 [11830]	5100	
		lbf	33950 [36860]	28220 [30640]	24030 [26090]	19620 [21300]	33950 [36860]	28220 [30640]	24030 [26090]	11240	

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

HX220 NL

BUCKETS



SAE heaped m ³ (yd ³)	0.80 (1.05) 0.92 (1.20) 1.10 (1.44) 1.20 (1.57)	1.34 (1.75)	◆0.90 (1.18) ◆1.05 (1.37)	◆0.87 (1.14)	◆1.20 (1.57)	★0.52 (0.68)
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Capacity m ³ (yd ³)	Width mm (in)	Weight kg (lb)	Recommendation mm (ft.in)							
			5,650 (18' 6") Boom			5,650 (18' 6") 2-Piece				
			2,000 (6' 7") Arm	2,400 (7' 10") Arm	2,920 (9' 7") Arm	2,000 (6' 7") Arm	2,400 (7' 10") Arm	2,920 (9' 58") Arm		
SAE heaped	CECE heaped	Without side cutters	With side cutters							
0.80 (1.05)	0.70 (0.92)	1,070 (42.1)	1,160 (45.7)	770 (1,700)	●	●	●	●	●	⊙
0.92 (1.20)	0.80 (1.05)	1,190 (46.9)	1,280 (50.4)	820 (1,810)	●	●	●	●	●	⊙
1.10 (1.44)	0.96 (1.26)	1,375 (54.1)	1,465 (57.7)	890 (1,960)	●	⊙	⊙	●	⊙	○
1.20 (1.57)	1.05 (1.37)	1,390 (54.7)	1,480 (58.3)	920 (2,030)	●	⊙	○	●	⊙	-
1.34 (1.75)	1.17 (1.53)	1,525 (60.0)	1,615 (63.6)	990 (2,180)	⊙	○	○	⊙	-	-
◆0.90 (1.18)	0.79 (1.03)	1,210 (47.6)	-	880 (1,940)	●	●	●	●	●	⊙
◆1.05 (1.37)	0.92 (1.20)	1,355 (53.3)	-	940 (2,070)	●	●	⊙	●	⊙	○
◆0.87 (1.14)	0.77 (1.01)	1,195 (47.0)	-	940 (2,070)	●	●	●	●	●	⊙
◆1.20 (1.57)	1.05 (1.37)	1,520 (59.8)	-	1,120 (2,470)	⊙	○	-	⊙	○	-
★0.52 (0.68)	0.45 (0.59)	945 (37.2)	1,020 (40.2)	460 (1,010)	-	-	-	-	-	-

- ◆ Heavy duty bucket
- ◆ Rock-Heavy duty bucket
- ★ Long reach bucket
- : Applicable for materials with density of 2,000 kgf/m³ (3,370 lbf/yd³) or less
- ⊙ : Applicable for materials with density of 1,600 kgf/m³ (2,700 lbf/yd³) or less
- : Applicable for materials with density of 1,100 kgf/m³ (1,850 lbf/yd³) or less

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design. 5.65 m Booms and 2.0 m, 2.4 m Arms are available.

DIGGING FORCE

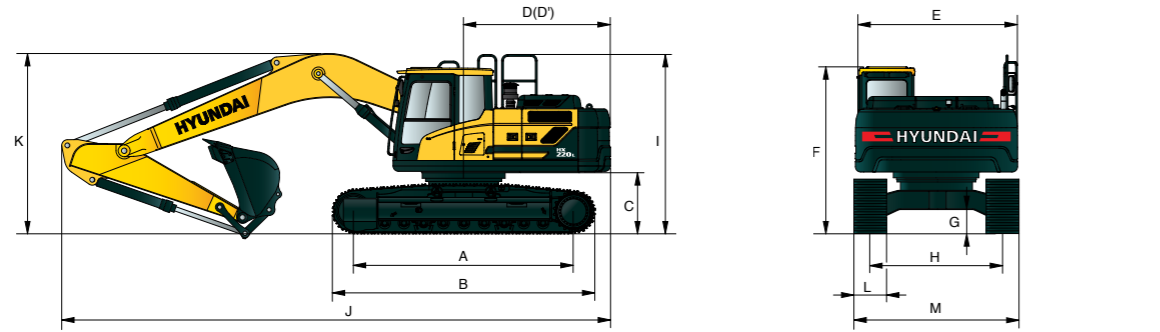
Boom	Length	mm (ft.in)	5,650 (18' 6")			5,650 (18' 6") 2-Piece			Remark
			1,950 (4,300)			2,600 (5,730)			
Arm	Length	mm (ft.in)	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	
	Weight	kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	
Bucket digging force	SAE	kN	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	133.4 [144.8]	[] : Power Boost
		kgf	13600 [14770]	13600 [14770]	13600 [14770]	13600 [14770]	13600 [14770]	13600 [14770]	
		lbf	29980 [32550]	29980 [32550]	29980 [32550]	29980 [32550]	29980 [32550]	29980 [32550]	
	ISO	kN	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	152.0 [165.0]	
		kgf	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	
		lbf	34170 [37100]	34170 [37100]	34170 [37100]	34170 [37100]	34170 [37100]	34170 [37100]	
Arm crowd force	SAE	kN	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	144.2 [156.5]	119.6 [129.9]	102.0 [110.7]	
		kgf	14700 [15960]	12200 [13250]	10400 [11290]	14700 [15960]	12200 [13250]	10400 [11290]	
		lbf	32410 [35190]	26900 [29210]	22930 [24900]	32410 [35190]	26900 [29210]	22930 [24900]	
	ISO	kN	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	151.0 [164.0]	125.5 [136.3]	106.9 [116.1]	
		kgf	15400 [16720]	12800 [13900]	10900 [11830]	15400 [16720]	12800 [13900]	10900 [11830]	
		lbf	33950 [36860]	28220 [30640]	24030 [26090]	33950 [36860]	28220 [30640]	24030 [26090]	

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

DIMENSIONS & WORKING RANGE

HX220 L DIMENSIONS

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



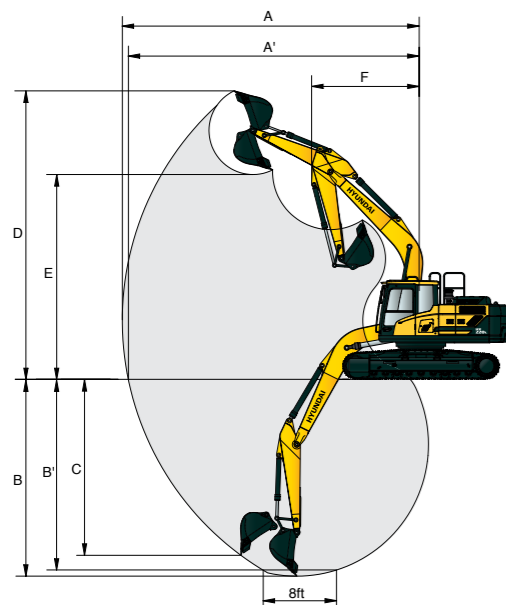
Unit : mm (ft - in)

A	Tumbler distance	3,650 (12' 0")
B	Overall length of crawler	4,404 (14' 4")
C	Ground clearance of counterweight	1,060 (3' 6")
D	Tail swing radius	2,890 (9' 5")
D'	Rear-end length	2,770 (9' 1")
E	Overall width of upperstructure	2,740 (9' 0")
F	Overall height of cab	3,000 (9' 8")
G	Min. ground clearance	480 (1' 7")
H	Track gauge	2,390 (7' 10")
I	Overall height of guardrail	3,210 (10' 5")

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

HX220 L WORKING RANGE

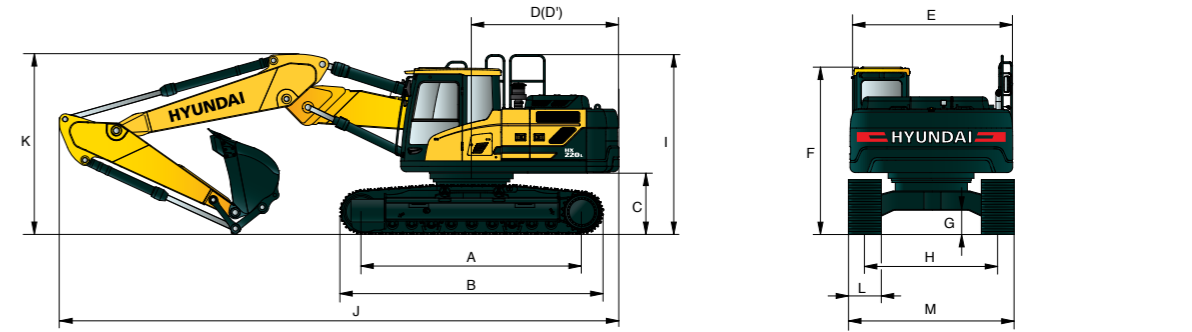
Unit : mm (ft - in)



Boom length	5,680 (18' 8")			
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
A Max. digging reach	9,140 (30' 0")	9,500 (31' 2")	9,980 (32' 9")	10,910 (35' 10")
A' Max. digging reach on ground	8,960 (29' 5")	9,330 (30' 7")	9,820 (32' 3")	10,770 (35' 4")
B Max. digging depth	5,820 (19' 1")	6,220 (20' 5")	6,730 (22' 1")	7,720 (25' 4")
B' Max. digging depth (8' level)	5,580 (18' 4")	6,010 (19' 9")	6,560 (21' 6")	7,580 (24' 10")
C Max. vertical wall digging depth	5,280 (17' 4")	5,720 (18' 9")	6,280 (20' 7")	7,240 (23' 9")
D Max. digging height	9,140 (30' 0")	9,340 (30' 8")	9,600 (31' 6")	10,110 (33' 2")
E Max. dumping height	6,330 (20' 9")	6,520 (21' 5")	6,780 (22' 3")	7,290 (23' 11")
F Min. swing radius	3,750 (12' 4")	3,740 (12' 3")	3,670 (12' 0")	3,700 (12' 2")

HX220 L 2-PIECE BOOM DIMENSIONS

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



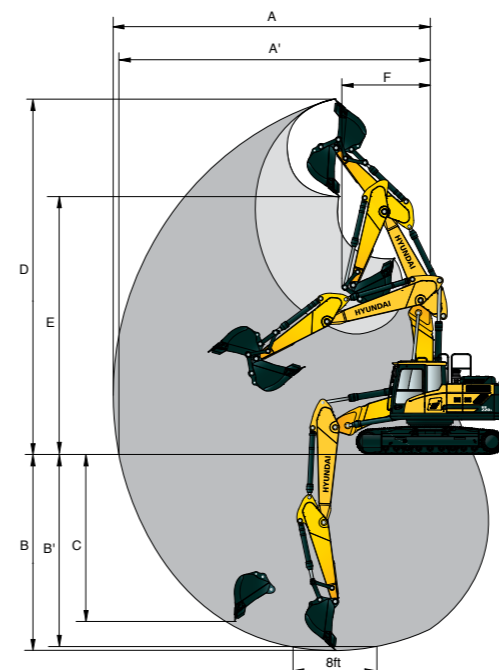
Unit : mm (ft - in)

A	Tumbler distance	3,650 (12' 0")
B	Overall length of crawler	4,404 (14' 4")
C	Ground clearance of counterweight	1,060 (3' 6")
D	Tail swing radius	2,890 (9' 5")
D'	Rear-end length	2,770 (9' 1")
E	Overall width of upperstructure	2,740 (9' 0")
F	Overall height of cab	3,000 (9' 8")
G	Min. ground clearance	480 (1' 7")
H	Track gauge	2,390 (7' 10")
I	Overall height of guardrail	3,210 (10' 5")

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

HX220 L 2-PIECE BOOM WORKING RANGE

Unit : mm (ft - in)

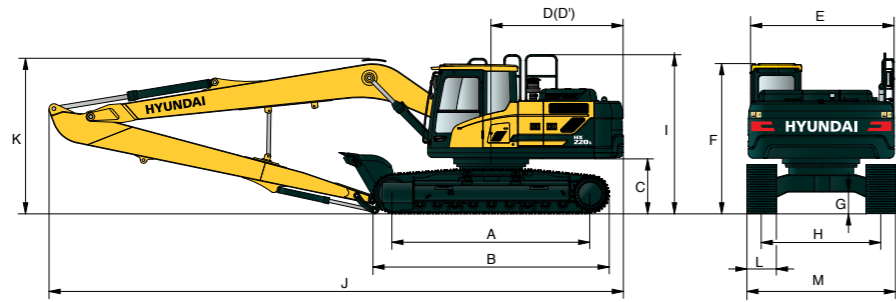


Boom length	5,650 2-Piece (18' 5")		
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")
A Max. digging reach	9,120 (29' 11")	9,530 (31' 3")	10,020 (32' 10")
A' Max. digging reach on ground	8,950 (29' 4")	9,360 (30' 8")	9,860 (32' 4")
B Max. digging depth	5,480 (18' 0")	5,880 (19' 3")	6,400 (21' 0")
B' Max. digging depth (8' level)	5,360 (17' 7")	5,770 (18' 11")	6,290 (20' 8")
C Max. vertical wall digging depth	4,540 (14' 11")	5,020 (16' 6")	5,560 (18' 3")
D Max. digging height	10,310 (33' 10")	10,670 (35' 0")	11,090 (36' 5")
E Max. dumping height	7,390 (24' 3")	7,750 (25' 5")	8,160 (26' 9")
F Min. swing radius	2,870 (9' 5")	2,660 (8' 9")	2,530 (8' 4")

DIMENSIONS & WORKING RANGE

HX220 L LONG REACH

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

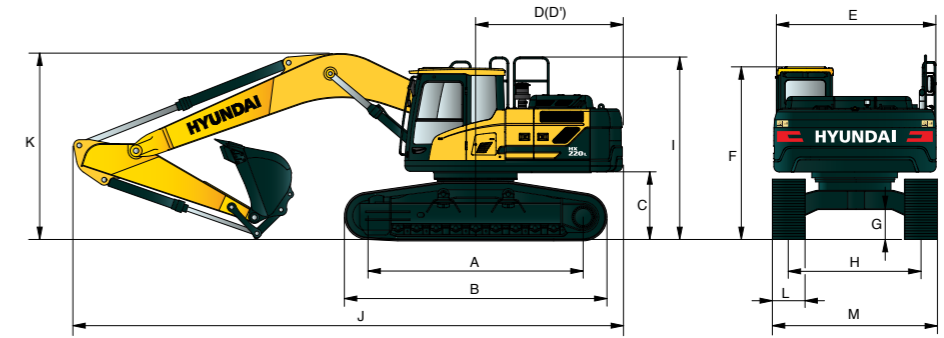


Unit : mm (ft · in)

A	Tumbler distance	3,650 (12' 0")	Boom length	8,200 (26' 11")	
B	Overall length of crawler	4,404 (14' 4")	Arm length	6,300 (20' 8")	
C	Ground clearance of counterweight	1,060 (3' 6")	J	Overall length	12,030 (39' 6")
D	Tail swing radius	2,890 (9' 5")	K	Overall height of boom	3,280 (10' 9")
D'	Rear-end length	2,770 (9' 1")	L	Track shoe width	800 (32")
E	Overall width of upperstructure	2,740 (9' 0")	M	Overall width	3,190 (10' 6")
F	Overall height of cab	3,000 (9' 8")			
G	Min. ground clearance	480 (1' 7")			
H	Track gauge	2,390 (7' 10")			
I	Overall height of guardrail	3,210 (10' 5")			

HX220 L 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

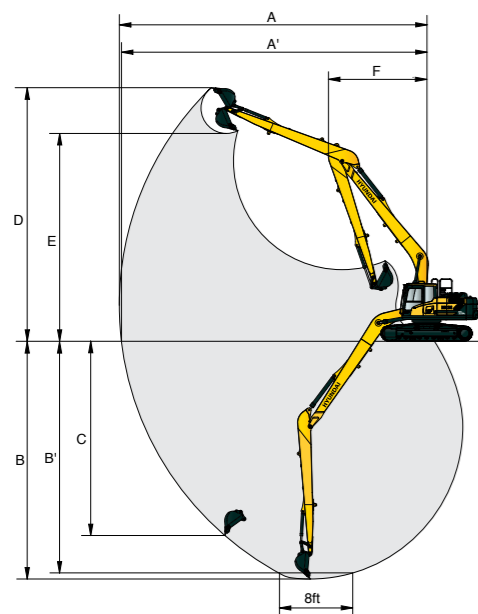


Unit : mm (ft · in)

A	Tumbler distance	3,650 (12' 0")	Boom length	5,680 (18' 8")						
B	Overall length of crawler	4,404 (14' 4")	Arm length	2,000 (6' 7")	2,400 (7' 07")	2,920 (9' 7")	3,900 (12' 10")			
C	Ground clearance of counterweight	1,260 (4' 1")	D	Tail swing radius	2,890 (9' 5")					
D	Tail swing radius	2,890 (9' 5")	D'	Rear-end length	2,770 (9' 1")					
D'	Rear-end length	2,770 (9' 1")	E	Overall width of upperstructure	2,740 (9' 0")					
E	Overall width of upperstructure	2,740 (9' 0")	F	Overall height of cab	3,200 (10'5")					
F	Overall height of cab	3,200 (10'5")	G	Min. ground clearance	660 (2' 2")					
G	Min. ground clearance	660 (2' 2")	H	Track gauge	2,795 (9' 2")					
H	Track gauge	2,795 (9' 2")	I	Overall height of guardrail	3,410 (11' 2")					
I	Overall height of guardrail	3,410 (11' 2")	L	Track shoe	type	Triple grouser		Double grouser		
				width	600 (24")	700 (28")	800 (32")	900 (36")	600 (24")	700 (28")
			M	Overall width	3,395 (11' 2")	3,495 (11' 6")	3,595 (11' 10")	3,695 (12' 2")	3,395 (11' 2")	3,495 (11' 6")

HX220 L LONG REACH WORKING RANGE

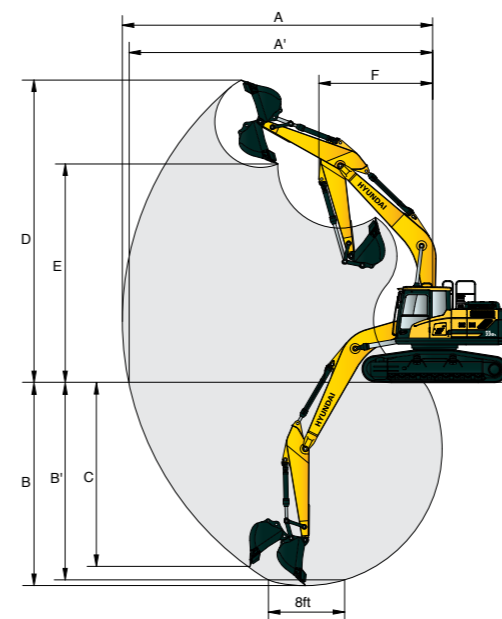
Unit : mm (ft · in)



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")

HX220 L HIGH WALKER WORKING RANGE

Unit : mm (ft · in)

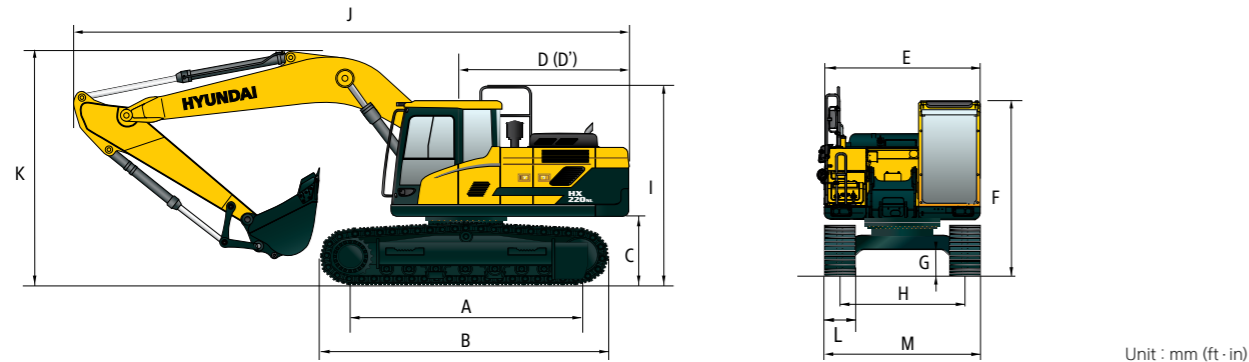


Boom length	5,680 (18' 8")				
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")	
A	Max. digging reach	9,140 (30' 0")	9,500 (31' 2")	9,980 (32' 9")	10,910 (35' 10")
A'	Max. digging reach on ground	8,920 (29' 3")	9,290 (30' 6")	9,820 (32' 3")	10,730 (35' 2")
B	Max. digging depth	5,630 (18' 6")	6,010 (19' 9")	6,550 (21' 6")	7,530 (24' 8")
B'	Max. digging depth (8' level)	5,390 (17' 8")	5,820 (19' 1")	6,380 (20' 11")	7,390 (24' 3")
C	Max. vertical wall digging depth	5,090 (16' 8")	5,630 (18' 6")	6,100 (20' 0")	7,050 (23' 1")
D	Max. digging height	9,330 (30' 7")	9,530 (31' 3")	9,780 (32' 1")	10,300 (33' 9")
E	Max. dumping height	6,520 (21' 5")	6,710 (22' 0")	6,960 (22' 10")	7,480 (24' 6")
F	Min. swing radius	3,750 (12' 4")	3,740 (12' 3")	3,670 (12' 0")	3,700 (12' 2")

DIMENSIONS & WORKING RANGE

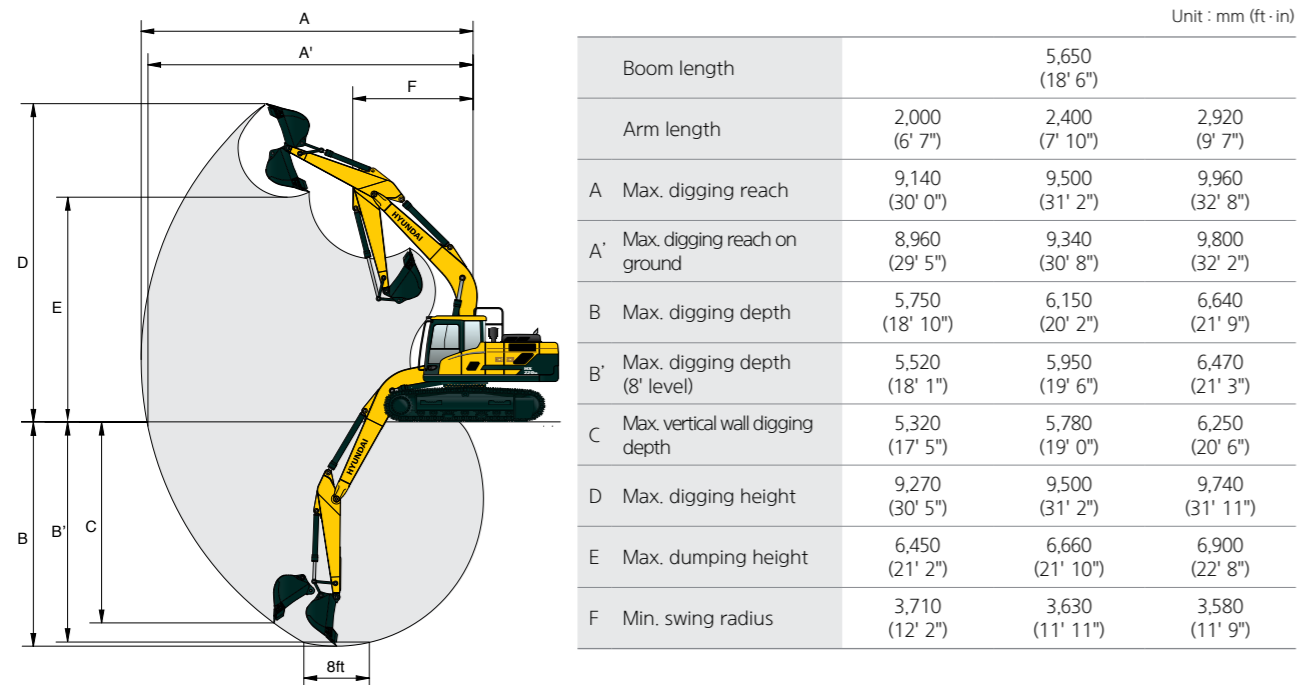
HX220 NL DIMENSIONS

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



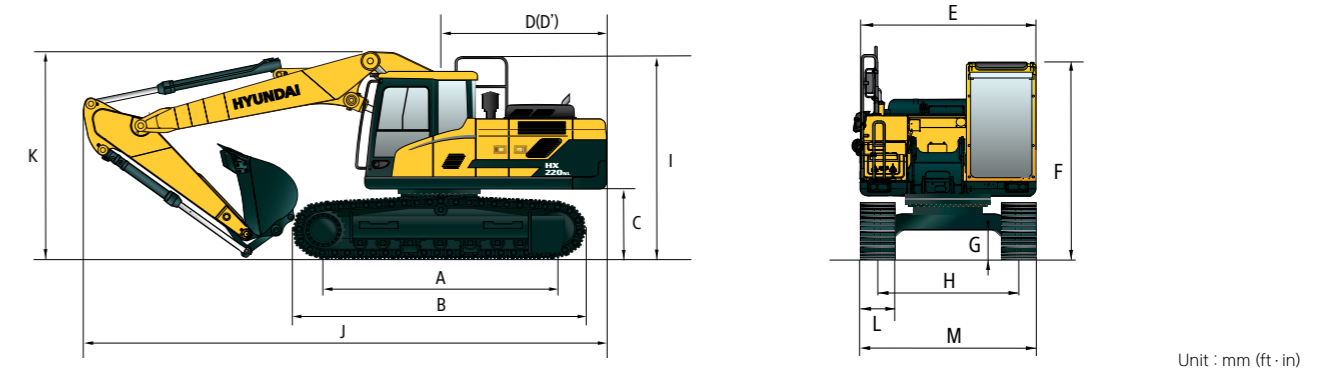
A	Tumbler distance	3,650 (12' 0")	Boom length	5,650 (18' 6")	
B	Overall length of crawler	4,404 (14' 5")	Arm length	2,000 (6' 7") 2,400 (7' 10") 2,920 (9' 7")	
C	Ground clearance of counterweight	1,060 (3' 6")	J	Overall length	9,650 (31' 8") 9,570 (31' 5") 9,510 (31' 2")
D	Tail swing radius	2,850 (9' 4")	K	Overall height of boom	3,250 (10' 8") 3,170 (10' 5") 3,100 (10' 2")
D'	Rear-end length	2,770 (9' 1")	L	Track shoe width	500 (20") 600 (24") 700 (28")
E	Overall width of upperstructure	2,530 (8' 4")	M	Overall width	2,500 (8' 2") 2,600 (8' 6") 2,700 (8' 10")
F	Overall height of cab	3,000 (9' 10")			
G	Min. ground clearance	480 (1' 7")			
H	Track gauge	2,000 (6' 7")			
I	Overall height of guardrail	3,210 (10' 6")			

HX220 NL WORKING RANGE



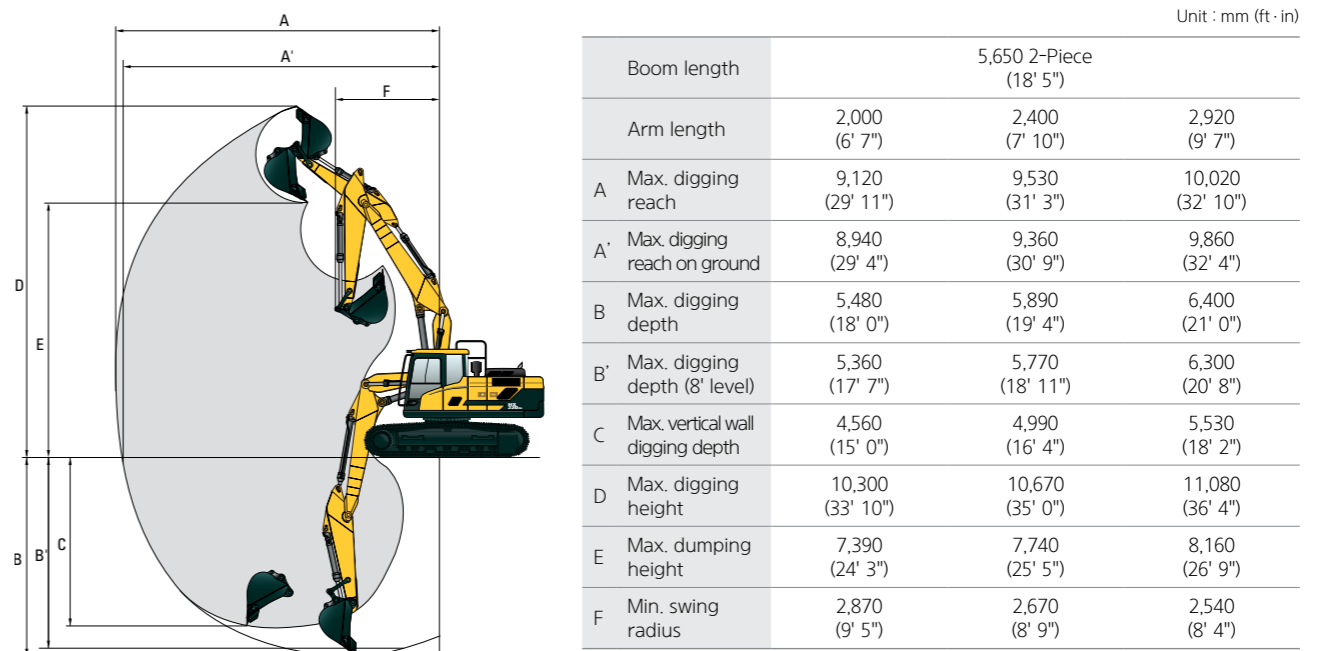
HX220 NL 2-PIECE BOOM DIMENSIONS

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



A	Tumbler distance	3,650 (12' 0")	Boom length	5,650 2-Piece (18' 5")			
B	Overall length of crawler	4,404 (14' 5")	Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	
C	Ground clearance of counterweight	1,060 (3' 6")	J	Overall length	9,650 (31' 8")	9,550 (31' 4")	9,520 (31' 2")
D	Tail swing radius	2,850 (9' 4")	K	Overall height of boom	3,200 (10' 6")	3,000 (9' 10")	3,030 (9' 11")
D'	Rear-end length	2,770 (9' 1")	L	Track shoe width	500 (20")	600 (24")	700 (28")
E	Overall width of upperstructure	2,530 (8' 4")	M	Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")
F	Overall height of cab	3,000 (9' 10")					
G	Min. ground clearance	480 (1' 7")					
H	Track gauge	2,000 (6' 7")					
I	Overall height of guardrail	3,210 (10' 6")					

HX220 NL 2-PIECE BOOM WORKING RANGE



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX220 L

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

Load point height m (ft)	Load radius								At max. reach		
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach	
7.5 m (25 ft)	kg								*3970	*3970	6.65
	lb								*8750	*8750	(21.8)
6.0 m (20 ft)	kg				*4400	*4400			*4020	3030	7.78
	lb				*9700	*9700			*8860	6680	(25.5)
4.5 m (15 ft)	kg		*5690	*5690	*4820	4640			*4140	2530	8.43
	lb		*12540	*12540	*10630	10230			*9130	5580	(27.7)
3.0 m (10 ft)	kg		*7420	6860	*5570	4370	*4780	3000	4050	2300	8.74
	lb		*16360	15120	*12280	9630	*10540	6610	8930	5070	(28.7)
1.5 m (5 ft)	kg		*8940	6340	*6340	4120	5080	2880	3990	2250	8.73
	lb		*19710	13980	*13980	9080	11200	6350	8800	4960	(28.6)
Ground Line	kg		*9640	6110	*6860	3960	4990	2810	4210	2370	8.42
	lb		*21250	13470	*15120	8730	11000	6190	9280	5220	(27.6)
-1.5 m (-5 ft)	kg	*13940	12320	*9580	6090	*6950	3910		4830	2750	7.76
	lb	*30730	27160	*21120	13430	*15320	8620		10650	6060	(25.5)
-3.0 m (-10 ft)	kg	*12450	*12450	*8770	6200	*6310	4000		*4800	3650	6.61
	lb	*27450	*27450	*19330	13670	*13910	8820		*10580	8050	(21.7)
-4.5 m (-15 ft)	kg	*9410	*9410								
	lb	*20750	*20750								

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

Load point height m (ft)	Load radius								At max. reach				
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach	
7.5 m (25 ft)	kg										*3660	3640	7.15
	lb										*8070	8020	(23.5)
6.0 m (20 ft)	kg					*3970	*3970				*3730	2750	8.20
	lb					*8750	*8750				*8220	6060	(26.9)
4.5 m (15 ft)	kg					*4450	*4450	*4190	3120		*3860	2320	8.82
	lb					*9810	*9810	*9240	6880		*8510	5110	(28.9)
3.0 m (10 ft)	kg				*6850	*6850	*5240	4410	*4520	3010	3760	2120	9.11
	lb				*15100	*15100	*11550	9720	*9960	6640	8290	4670	(29.9)
1.5 m (5 ft)	kg				*8510	6400	*6080	4130	*4930	2880	3710	2070	9.10
	lb				*18760	14110	*13400	9110	*10870	6350	8180	4560	(29.9)
Ground Line	kg		*8830	*8830	*9440	6100	*6700	3940	4960	2770	3890	2170	8.18
	lb		*19470	*19470	*20810	13450	*14770	8690	10930	6110	8580	4780	(26.8)
-1.5 m (-5 ft)	kg	*9800	*9800	*13550	12120	*9610	6020	*6920	3860		4400	2480	7.12
	lb	*21610	*21610	*29870	26720	*15260	13270	*15260	8510		9700	5470	(23.4)
-3.0 m (-10 ft)	kg	*14180	*14180	*13180	12340	*9040	6100	*6540	3900		*4660	3190	
	lb	*31260	*31260	*29060	27210	*19930	13450	*14420	8600		*10270	7030	
-4.5 m (-15 ft)	kg			*10580	*10580	*7350	6350						
	lb			*23320	*23320	*16200	14000						

1. Lifting capacity are based on SAE J1097 and 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.

Rating over-front Rating over-side or 360 degree

HX220 L

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

Load point height m (ft)	Load radius										At max. reach				
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach			
7.5 m (25 ft)	kg												*3310	3140	7.78
	lb												*7300	6920	(25.5)
6.0 m (20 ft)	kg								*2300	*2300			*3400	2450	8.74
	lb								*5070	*5070			*7500	5400	(28.7)
4.5 m (15 ft)	kg								*3970	*3970			*3530	2090	9.32
	lb								*8750	*8750			*7780	4610	(30.6)
3.0 m (10 ft)	kg				*9720	*9720	*6100	*6100	*4790	4460	*4180	3030	3440	1910	9.59
	lb				*21430	*21430	*13450	*13450	*10560	9830	*9220	6680	7580	4210	(31.5)
1.5 m (5 ft)	kg				*8850	*8850	*7900	6500	*5700	4150	*4660	2870	3380	1860	9.59
	lb				*19510	*19510	*17420	14330	*12570	9150	*10270	6330	7450	4100	(31.5)
Ground Line	kg				*9590	*9590	*9100	6100	*6440	3920	4930	2740	3520	1930	9.31
	lb				*21140	*21140	*20060	13450	*14200	8640	10870	6040	7760	4250	(30.5)
-1.5 m (-5 ft)	kg	*8840	*8840	*12650	11920	*9540	5940	*6810	3800	4860	2680	3910	2170	8.72	
	lb	*19490	*19490	*27980	26280	*21030	13100	*15010	8380	10710	5910	8620	4780	(28.6)	
-3.0 m (-10 ft)	kg	*12230	*12230	*13910	12080	*9260	5960	*6690	3800				*4420	2700	7.75
	lb	*26960	*26960	*30670	26630	*20410	13140	*14750	8380				*9740	5950	(25.4)
-4.5 m (-15 ft)	kg			*11800	*11800	*8060	6150						*4280	4080	6.16
	lb			*26010	*26010	*17770	13560						*9440	8990	(20.2)

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











Load point height m (ft)	Load radius										At max. reach												
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity	Reach									
9.0 m (30 ft)	kg												*2700	*2700	7.66								
	lb												*5950	*5950	(25.1)								
7.5 m (25 ft)	kg								*1940	*1940			*2760	*2760	8.94								
	lb								*4280	*4280			*6080	*6080	(29.3)								
6.0 m (20 ft)	kg								*2790	*2790			*2850	2600	9.77								
	lb								*6150	*6150			*6280	5730	(32.1)								
4.5 m (15 ft)	kg								*3050	*3050	*2000	*2000	*2970	2300	10.28								
	lb								*6720	*6720	*4410	*4410	*6550	5070	(33.7)								
3.0 m (10 ft)	kg								*3900	*3900	*3510	*3510	*2870	2860	10.52								
	lb								*8600	*8600	*7740	*7740	*6330	6310	(34.5)								
1.5 m (5 ft)	kg										*11080	*11080	*6600	*6600	*4900	4900	*4080	3820	*3410	2760	3080	2090	10.52
	lb										*24430	*24430	*14550	*14550	*10800	*10800	*8990	8420	*7520	6080	6790	4610	(34.5)
Ground Line	kg	*5300	*5300	*10640	*10640	*8200	*8200	*5820	5210	*4610	3630	*3490	2660	3180	2150	10.27							
	lb	*11680	*11680	*23460	*23460	*18080	*18080	*12830	11490	*10160	8000	*7690	5860	7010	4740	(33.7)							
-1.5 m (-5 ft)	kg	*7540	*7540	*11690	*11690	*9110	7900	*6440	4990	*4990	3510	*2330	*2330	3450	2340	9.75							
	lb	*16620	*16620	*25770	*25770	*20080	17420	*14200	11000	*11000	7740	*5140	*5140	7610	5160	(32.0)							
-3.0 m (-10 ft)	kg	*10030	*10030	*14390	*14390	*9320	7800	*6660	4910	*5070	3470			*3850	2750	8.91							
	lb	*22110	*22110	*31720	*31720	*20550	17200	*14680	10820	*11180	7650			*8490	6060	(29.2)							
-4.5 m (-15 ft)	kg	*13000	*13000	*13310	*13310	*8780	7890	*6290	4960					*3990	3640	7.62							
	lb	*28660	*28660	*29340	*29340	*19360	17390	*13870	10930					*8800	8020	(25.0)							
-6.0 m (-20 ft)	kg			*10560	*10560	*7050	*7050																
	lb			*23280	*23280	*15540	*15540																

LIFTING CAPACITY











 Rating over-front  Rating over-side or 360 degree

HX220 L 2-PIECE BOOM

5.65 m (18' 6") 2-piece boom, 2.00 m (6' 7") arm equipped with 0.92 m³ (SAE heaped) bucket, 600 mm (24") triple grouser shoe.

Load point height m (ft)	Load radius								At max. reach		
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach	
											m (ft)
10.5 m (35 ft)	kg								*6180	*6180	4.64
	lb								*13620	*13620	(15.2)
9.0 m (30 ft)	kg								*6520	*6520	4.61
	lb								*14370	*14370	(15.1)
7.5 m (25 ft)	kg		*6710	*6710					*5270	4060	6.67
	lb		*14790	*14790					*11620	8950	(21.9)
6.0 m (20 ft)	kg		6780	*6870	*5850	4780			*4850	2970	7.80
	lb		15150	*15150	*12900	10540			*10690	6550	(25.6)
4.5 m (15 ft)	kg	*11340	*11340	*7750	7500	*6130	4610		4360	2470	8.45
	lb	*25000	*25000	*17090	16530	*13510	10160		9610	5450	(27.7)
3.0 m (10 ft)	kg			*8930	6810	*6590	4330		4030	2250	8.75
	lb			*19690	15010	*14530	9550	11460	8880	4960	(28.7)
1.5 m (5 ft)	kg			*9600	6250	*6900	4060	5070	3980	2200	8.75
	lb			*21160	13780	*15210	8950	11180	8770	4850	(28.7)
Ground Line	kg			*9290	6020	*6800	3890	4990	*3940	2330	8.44
	lb			*20480	13270	*14990	8580	11000	*8690	5140	(27.7)
-1.5 m (-5 ft)	kg	*9840	*9840	*8130	6010	*6060	3850		*3360	2710	7.77
	lb	*21690	*21690	*17920	13250	*13360	8490		*7410	5970	(25.5)
-3.0 m (-10 ft)	kg			*6030	*6030	*4250	3970				
	lb			*13290	*13290	*9370	8750				

5.65 m (18' 6") 2-piece boom, 2.40 m (7' 10") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.











Load point height m (ft)	Load radius								At max. reach		
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach	
											m (ft)
9.0 m (30 ft)	kg								*5690	*5690	5.40
	lb								*12540	*12540	(17.7)
7.5 m (25 ft)	kg			*5860	*5860				*4850	3560	7.19
	lb			*12920	*12920				*10690	7850	(23.6)
6.0 m (20 ft)	kg			*6410	*6410	*5520	4860		*4510	2690	8.23
	lb			*14130	*14130	*12170	10710		*9940	5930	(27.0)
4.5 m (15 ft)	kg	*10290	*10290	*7300	*7300	*5860	4670	*4360	4020	2260	8.85
	lb	*22690	*22690	*16090	*16090	*12920	10300	*9610	8860	4980	(29.0)
3.0 m (10 ft)	kg			*8550	6940	*6370	4370	*5170	3740	2060	9.14
	lb			*18850	15300	*14040	9630	*11140	8250	4540	(30.0)
1.5 m (5 ft)	kg			*9440	6320	*6780	4070	5070	3690	2020	9.13
	lb			*20810	13930	*14950	8970	11180	8140	4450	(30.0)
Ground Line	kg	*8600	*8600	*9420	6000	*6820	3870	4960	*3760	2120	8.84
	lb	*18960	*18960	*20770	13230	*15040	8530	10930	*8290	4670	(29.0)
-1.5 m (-5 ft)	kg	*11240	*11240	*8510	5930	*6280	3800	*4460	*3310	2440	8.21
	lb	*24780	*24780	*18760	13070	*13850	8380	*9830	*7300	5380	(26.9)
-3.0 m (-10 ft)	kg			*6700	6040	*4870	3860				
	lb			*14770	13320	*10740	8510				

- Lifting capacity are based on SAE J1097 and 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.

 Rating over-front  Rating over-side or 360 degree

HX220 L 2-PIECE BOOM

5.65 m (18' 6") 2-piece boom, 2.92 m (9' 7") arm equipped with 0.92 m³ (SAE heaped) bucket, 600 mm (24") triple grouser shoe.

Load point height m (ft)	Load radius								At max. reach		
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach	
											m (ft)
9.0 m (30 ft)	kg			*3290	*3290				*4590	*4590	6.28
	lb			*7250	*7250				*10120	*10120	(20.6)
7.5 m (25 ft)	kg					*3520	*3520		*4020	3060	7.83
	lb					*7760	*7760		*8860	6750	(25.7)
6.0 m (20 ft)	kg			*5160	*5160	*4870	*4870	*2440	*3790	2370	8.79
	lb			*11380	*11380	*10740	*10740	*5380	*8360	5220	(28.8)
4.5 m (15 ft)	kg			*6680	*6680	*5480	4750	*4380	3650	2020	9.36
	lb			*14730	*14730	*12080	10470	*9660	8050	4450	(30.7)
3.0 m (10 ft)	kg	*12620	*12620	*8000	7130	*6060	4430	*4970	3400	1850	9.63
	lb	*27820	*27820	*17640	15720	*13360	9770	*10960	7500	4080	(31.6)
1.5 m (5 ft)	kg	*8680	*8680	*9130	6430	*6580	4100	5070	3350	1800	9.63
	lb	*19140	*19140	*20130	14180	*14510	9040	11180	7390	3970	(31.6)
Ground Line	kg	*9390	*9390	*9450	6000	*6780	3850	4930	3500	1880	9.35
	lb	*20700	*20700	*20830	13230	*14950	8490	10870	7720	4140	(30.7)
-1.5 m (-5 ft)	kg	*12500	11770	*8880	5850	*6460	3730	*4770	*3200	2130	8.77
	lb	*27560	25950	*19580	12900	*14240	8220	*10520	*7050	4700	(28.8)
-3.0 m (-10 ft)	kg	*9950	*9950	*7420	5890	*5420	3750				
	lb	*21940	*21940	*16360	12990	*11950	8270				















- Lifting capacity are based on SAE J1097 and 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

 Rating over-front  Rating over-side or 360 degree

HX220 L LONG REACH

8.2 m (26' 11") boom, 6.3 m (20' 8") arm equipped with 0.52 m³ (SAE heaped) bucket and 800 mm (32") triple grouser shoe.









Load point height m (ft)	Load radius												At max. reach				
	4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		12.0 m (40 ft)		13.5 m (45 ft)		Capacity	Reach	
															kg	lb	m (ft)
10.5 m (35 ft)														*1470	*1470		12.11
														*3240	*3240		(39.7)
9.0 m (30 ft)														*1490	*1490		13.11
														*2050	*2050		(43.0)
7.5 m (25 ft)														*1540	*1540		13.84
														*3400	*3400		(45.4)
6.0 m (20 ft)														*1590	*1590		14.37
														*3510	*3510		(47.1)
4.5 m (15 ft)														*1770	*1770		14.72
														*3900	*3900		(48.3)
3.0 m (10 ft)														*2500	*2500		14.89
														*5510	*5510		(48.9)
1.5 m (5 ft)														*2200	*2200		14.90
														*4850	*4850		(48.9)
Ground Line														*2000	*2000		14.89
														*4410	*4410		(48.9)
-1.5 m (-5 ft)														*1860	1670		14.75
														*4100	3680		(48.9)
-3.0 m (-10 ft)														*1590	1260		14.42
														*3510	2780		(47.3)
-4.5 m (-15 ft)														*1780	970		14.42
														*3920	2140		(48.9)
-6.0 m (-20 ft)														*1780	970		14.42
														*3920	2140		(48.9)
-7.5 m (-25 ft)														*1780	970		14.42
														*3920	2140		(48.9)
-9.0 m (-30 ft)														*1780	970		14.42
														*3920	2140		(48.9)
-10.5 m (-35 ft)														*1780	970		14.42
														*3920	2140		(48.9)

- Lifting capacity are based on SAE J1097 and 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.









 Rating over-front  Rating over-side or 360 degree

HX220 L HIGH WALKER

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

Load point height m (ft)	Load radius								At max. reach		
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach	
									kg	lb	m (ft)
7.5 m (25 ft)									*3970	*3970	6.65
									*8750	*8750	(21.8)
6.0 m (20 ft)									*4400	*4400	7.78
									*9700	*9700	(25.5)
4.5 m (15 ft)									*5690	*5690	8.43
									*12540	*12540	(27.7)
3.0 m (10 ft)									*7420	*7420	8.74
									*16360	*16360	(28.7)
1.5 m (5 ft)									*8940	8430	8.73
									*19710	18580	(28.6)
Ground Line									*9640	8190	8.42
									*21250	18060	(27.6)
-1.5 m (-5 ft)									*6950	5190	7.76
									*15320	11440	(25.5)
-3.0 m (-10 ft)									*8770	8290	6.61
									*12450	5290	(21.7)
-4.5 m (-15 ft)									*9410	*9410	
									*20750	*20750	

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

Load point height m (ft)	Load radius						At max. reach					
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach
									kg	lb	m (ft)	
7.5 m (25 ft)									*3660	*3660	7.15	
									*8070	*8070	(23.5)	
6.0 m (20 ft)									*3970	*3970	8.20	
									*8750	*8750	(26.9)	
4.5 m (15 ft)									*4450	*4450	8.82	
									*9810	*9810	(28.9)	
3.0 m (10 ft)									*5240	*5240	9.11	
									*11550	*11550	(29.9)	
1.5 m (5 ft)									*8510	8500	9.10	
									*18760	18740	(29.9)	
Ground Line									*8830	8180	8.81	
									*19470	18030	(28.9)	
-1.5 m (-5 ft)									*9800	8090	8.18	
									*21610	17840	(26.8)	
-3.0 m (-10 ft)									*14180	8170	7.12	
									*31260	18010	(23.4)	
-4.5 m (-15 ft)									*10580	*10580		
									*23320	*23320		













- Lifting capacity are based on SAE J1097 and 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













 Rating over-front  Rating over-side or 360 degree

HX220 L HIGH WALKER

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

Load point height m (ft)		Load radius										At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach
														m (ft)
7.5 m (25 ft)	kg lb											*3310 *7300	*3310 *7300	7.78 (25.5)
6.0 m (20 ft)	kg lb							*2300 *5070	*2300 *5070	*3400 *7500	3210 7080			8.74 (28.7)
4.5 m (15 ft)	kg lb						*3970 *8750	*3970 *8750	*3780 *8330	*3780 *8330	*3530 *7780	2780 6130		9.32 (30.6)
3.0 m (10 ft)	kg lb			*9720 *21430	*9720 *21430	*6100 *13450	*6100 *13450	*4790 *10560	*4790 *10560	*4180 *9220	3970 8750	*3680 *8110	2580 5690	9.59 (31.5)
1.5 m (5 ft)	kg lb			*8850 *19510	*8850 *19510	*7900 *17420	*7900 *17420	*5700 *12570	5450 12020	*4660 *10270	3800 8380	3660 8070	2530 5580	9.59 (31.5)
Ground Line	kg lb			*9590 *21140	*9590 *21140	*9100 *20060	8180 18030	*6440 *14200	5210 11490	*5060 *11160	3670 8090	3810 8400	2630 5800	9.31 (30.5)
-1.5 m (-5 ft)	kg lb	*8840 *19490	*8840 *19490	*12650 *27890	*12650 *27890	*9540 *21030	8010 17660	*6810 *15010	5080 11200	5240 11550	3610 7960	4230 9330	2930 6460	8.72 (28.6)
-3.0 m (-10 ft)	kg lb	*12230 *26960	*12230 *26960	*13910 *30670	*13910 *30670	*9260 *20410	8040 17730	*6690 *14750	5080 11200			*4420 *9740	3590 7910	7.75 (25.4)
-4.5 m (-15 ft)	kg lb			*11800 *26010	*11800 *26010	*8060 *17770	*8060 *17770					*4280 *9440	*4280 *9440	6.16 (20.2)

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











Load point height m (ft)		Load radius										At max. reach				
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity		Reach
														m (ft)		
9.0 m (30 ft)	kg lb													*2700 *5950	*2700 *5950	7.66 (25.1)
7.5 m (25 ft)	kg lb							*1940 *4280	*1940 *4280					*2760 *6080	*2760 *6080	8.94 29.3
6.0 m (20 ft)	kg lb							*2790 *6150	*2790 *6150					*2850 *6280	2600 5730	9.77 (32.1)
4.5 m (15 ft)	kg lb							*3050 *6720	*3050 *6720	*2000 *4410	*2000 *4410	*2970 *6550	2300 5070	10.28 (33.7)		
3.0 m (10 ft)	kg lb						*3900 *8600	*3900 *8600	*3510 *7740	*3510 *7740	*2870 *6330	2860 6310	*3110 *6860	2140 4720	10.52 (34.5)	
1.5 m (5 ft)	kg lb			*11080 *24430	*11080 *24430	*6600 *14550	*6600 *14550	*4900 *10800	*4900 *10800	*4080 *8990	3820 8420	*3410 *7520	2760 6080	10.52 (34.5)		
Ground Line	kg lb	*5300 *11680	*5300 *11680	*10640 *23460	*10640 *23460	*8200 *18080	*8200 *18080	*5820 *12830	5210 11490	*4610 *10160	3630 8000	*3490 *7690	2660 5860	10.27 (33.7)		
-1.5 m (-5 ft)	kg lb	*7540 *16620	*7540 *16620	*11690 *25770	*11690 *25770	*9110 *20080	7900 17420	*6440 *14200	4990 11000	*4990 *11000	3510 7740	*2330 *5140	2340 5160	9.75 (32.0)		
-3.0 m (-10 ft)	kg lb	*10030 *22110	*10030 *22110	*14390 *31720	*14390 *31720	*9320 *20550	7800 17200	*6660 *14680	4910 10820	*5070 *11180	3470 7650			8.91 29.2		
-4.5 m (-15 ft)	kg lb	*13000 *28660	*13000 *28660	*13310 *29340	*13310 *29340	*8780 *19360	7890 17390	*6290 *13870	4960 10930					7.62 (25.0)		
-6.0 m (-20 ft)	kg lb			*10560 *23280	*10560 *23280	*7050 *15540	*7050 *15540									

- Lifting capacity are based on SAE J1097 and 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.











 Rating over-front  Rating over-side or 360 degree

HX220 NL

5.65 m (18' 6") Mono boom, 2.00 m (6' 7") arm equipped with 0.87 m³ (SAE heaped) bucket, 500 mm (20") triple grouser shoe.

Load point height m (ft)		Load radius								At max. reach						
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach				
												m (ft)				
7.5 m (25 ft)	kg lb													*4000 *8820	3810 8400	6.61 (21.7)
6.0 m (20 ft)	kg lb							*4420 *9740	4380 9660					*4060 *8950	2800 6170	7.75 (25.4)
4.5 m (15 ft)	kg lb							*5670 *12500	*5670 *12500	*4840 *10670	4230 9330			*4200 *9260	2340 5160	8.41 (27.6)
3.0 m (10 ft)	kg lb							*7430 *16380	6170 13600	*5600 *12350	3990 8800	*4830 *10650	2750 6060	*4360 *9610	2130 4700	8.71 (28.6)
1.5 m (5 ft)	kg lb							*8990 *19820	5700 12570	*6390 *14090	3760 8290	*5190 *11440	2640 5820	4330 9550	2080 4590	8.71 (28.6)
Ground Line	kg lb							*9720 *21430	5490 12100	*6930 *15280	3610 7960	5380 11860	2570 5670	4570 10080	2190 4830	8.40 (27.6)
-1.5 m (-5 ft)	kg lb	*14170 *31240	10580 23320	*9690 *21360	5460 12040	*7030 *15500	3560 7850							*4930 *10870	2540 5600	7.73 (25.4)
-3.0 m (-10 ft)	kg lb	*12680 *27950	10790 23790	*8900 *19620	5570 12280	*6390 *14090	3650 8050							*4910 *10820	3380 7450	6.58 (21.6)

5.65 m (18' 6") Mono boom, 2.40 m (7' 10") arm equipped with 0.87 m³ (SAE heaped) bucket and 500 mm (20") triple grouser shoe.

Load point height m (ft)		Load radius										At max. reach											
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		Reach									
												m (ft)											
7.5 m (25 ft)	kg lb														*3690 *8140	3360 7410	7.12 (23.4)						
6.0 m (20 ft)	kg lb													*3990 *8800	*3990 *8800	2540 5600	8.18 (26.8)						
4.5 m (15 ft)	kg lb													*4460 *9830	4280 9440	*4050 *8930	2860 6310	8.80 (28.9)					
3.0 m (10 ft)	kg lb													*6850 *15100	6280 13850	*5260 *11600	4020 8860	9.09 (29.8)					
1.5 m (5 ft)	kg lb													*8540 *18830	5750 12680	*6120 *13490	3760 8290	9.08 (29.8)					
Ground Line	kg lb													*9080 *20020	*9080 *20020	*9520 *20990	5470 12060	*6760 *14900	3580 7890	*5310 *11710	2540 5600	8.79 (28.8)	
-1.5 m (-5 ft)	kg lb	*9930 *21890	*9930 *21890	*13780 *30380	10400 22930	*9710 *21410	5400 11900	*6990 *15410	3510 7740					*4670 *10300	2280 5030	8.16 (26.8)							
-3.0 m (-10 ft)	kg lb	*14320 *31570	*14320 *31570	*13400 *29540	10600 23370	*9170 *20220	5470 12060	*6630 *14620	3550 7830					*4750 *10470	2940 6480	7.09 (23.3)							
-4.5 m (-15 ft)	kg lb													*10790 *23790	*10790 *23790	*7470 *16470	5710 12590						













- Lifting capacity are based on SAE J1097 and 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











 Rating over-front  Rating over-side or 360 degree

HX220 NL

5.65 m (18' 6") Mono boom, 2.92 m (9' 7") arm equipped with 0.87 m³ (SAE heaped) bucket, 500 mm (20") triple grouser shoe.

Load point height m (ft)	Load radius										At max. reach			
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach		
													m (ft)	
7.5 m (25 ft)	kg										*3350	2890	7.76	
	lb										*7390	6370	(25.5)	
6.0 m (20 ft)	kg							*2140	*2140	*3440	2250	8.73		
	lb							*4720	*4720	*7580	4960	(28.6)		
4.5 m (15 ft)	kg					*3970	*3970	*3810	2900	*3580	1920	9.30		
	lb					*8750	*8750	*8400	6390	*7890	4230	(30.5)		
3.0 m (10 ft)	kg		*9630	*9630	*6090	*6090	*4810	4060	*4210	2770	3730	1750	9.58	
	lb		*21230	*21230	*13430	*13430	*10600	8950	*9280	6110	8220	3860	(31.4)	
1.5 m (5 ft)	kg		*9210	*9210	*7920	5830	*5730	3780	*4700	2630	3680	1710	9.57	
	lb		*20300	*20300	*17460	12850	*12630	8330	*10360	5800	8110	3770	(31.4)	
Ground Line	kg		*9810	*9810	*9160	5460	*6490	3560	*5120	2510	3830	1780	9.29	
	lb		*21630	*21630	*20190	12040	*14310	7850	*11290	5530	8440	3920	(30.5)	
-1.5 m (-5 ft)	kg	*8950	*8950	*12850	10220	*9630	5320	*6880	3450	5250	2450	4250	2000	8.71
	lb	*19730	*19730	*28330	22530	*21230	11730	*15170	7610	11570	5400	9370	4410	(28.6)
-3.0 m (-10 ft)	kg	*12340	*12340	*14120	10360	*9380	5340	*6770	3450			*4490	2490	7.73
	lb	*27210	*27210	*31130	22840	*20680	11770	*14930	7610			*9900	5490	(25.4)
-4.5 m (-15 ft)	kg			*12010	10690	*8180	5510					*4360	3750	6.14
	lb			*26480	23570	*18030	12150					*9610	8270	(20.1)

5.65 m (18' 6") 2-piece boom, 2.00 m (6' 7") arm equipped with 0.87 m³ (SAE heaped) bucket and 500 mm (20") triple grouser shoe.











Load point height m (ft)	Load radius								At max. reach			
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach		
											m (ft)	
10.5 m (35 ft)	kg								*6200	*6200	4.64	
	lb								*13670	*13670	(15.2)	
9.0 m (30 ft)	kg								*6560	*6560	4.60	
	lb								*14460	*14460	(15.1)	
7.5 m (25 ft)	kg			*6750	*6750				*5330	3710	6.66	
	lb			*14880	*14880				*11750	8180	(21.9)	
6.0 m (20 ft)	kg			*6910	*6910	*5910	4340		*4920	2720	7.79	
	lb			*15230	*15230	*13030	9570		*10850	6000	(25.6)	
4.5 m (15 ft)	kg	*11400	*11400	*7810	6710	*6200	4190		4680	2270	8.45	
	lb	*25130	*25130	*17220	14790	*13670	9240		10320	5000	(27.7)	
3.0 m (10 ft)	kg			*9020	6090	*6670	3930	*5380	2700	4350	2060	8.75
	lb			*19890	13430	*14700	8660	*11860	5950	9590	4540	(28.7)
1.5 m (5 ft)	kg			*9720	5600	*6990	3690	*5410	2590	4300	2020	8.75
	lb			*21430	12350	*15410	8140	*11930	5710	9480	4450	(28.7)
Ground Line	kg			*9430	5390	*6900	3540	*5130	2520	*4020	2140	8.43
	lb			*20790	11880	*15210	7800	*11310	5560	*8860	4720	(27.7)
-1.5 m (-5 ft)	kg	*10050	*10050	*8270	5380	*6170	3500			*3440	2490	7.77
	lb	*22160	*22160	*18230	11860	*13600	7720			*7580	5490	(25.5)
-3.0 m (-10 ft)	kg			*6160	5520	*4350	3610					
	lb			*13580	12170	*9590	7960					

- Lifting capacity are based on SAE J1097 and 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.











 Rating over-front  Rating over-side or 360 degree

HX220 NL 2-PIECE BOOM

5.65 m (18' 6") 2-piece boom, 2.40 m (7' 10") arm equipped with 0.87 m³ (SAE heaped) bucket, 500 mm (20") triple grouser shoe.

Load point height m (ft)	Load radius								At max. reach			
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach		
											m (ft)	
9.0 m (30 ft)	kg								*5730	5470	5.39	
	lb								*12630	12060	(17.7)	
7.5 m (25 ft)	kg			*5870	*5870				*4900	3260	7.18	
	lb			*12940	*12940				*10800	7190	(23.6)	
6.0 m (20 ft)	kg			*6440	*6440	*5570	4420		*4570	2460	8.23	
	lb			*14200	*14200	*12280	9740		*10080	5420	(27.0)	
4.5 m (15 ft)	kg	*10330	*10330	*7350	6840	*5920	4240	*4360	2820	4330	2070	8.84
	lb	*22770	*22770	*16200	15080	*13050	9350	*9610	6220	9550	4560	(29.0)
3.0 m (10 ft)	kg			*8630	6210	*6450	3960	*5240	2710	4040	1890	9.13
	lb			*19030	13690	*14220	8730	*11550	5970	8910	4170	(30.0)
1.5 m (5 ft)	kg			*9550	5650	*6870	3700	*5360	2580	3990	1850	9.13
	lb			*21050	12460	*15150	8160	*11820	5690	8800	4080	(30.0)
Ground Line	kg	*8600	*8600	*9560	5370	*6920	3510	*5230	2490	*3840	1950	8.83
	lb	*18960	*18960	*21080	11840	*15260	7740	*11530	5490	*8470	4300	(29.0)
-1.5 m (-5 ft)	kg	*11450	10280	*8660	5310	*6390	3450	*4540	2470	*3390	2230	2.21
	lb	*25240	22660	*19090	11710	*14090	7610	*10010	5450	*7470	4920	(26.9)
-3.0 m (-10 ft)	kg			*6840	5400	*4980	3510					
	lb			*15080	11900	*10980	7740					

5.65 m (18' 6") 2-piece boom, 2.92 m (9' 7") arm equipped with 0.87 m³ (SAE heaped) bucket and 500 mm (20") triple grouser shoe.

Load point height m (ft)	Load radius								At max. reach			
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach		
											m (ft)	
9.0 m (30 ft)	kg			*3290	*3290				*4600	4260	6.28	
	lb			*7250	*7250				*10140	9390	(20.6)	
7.5 m (25 ft)	kg					*3530	*3530		*4030	2800	7.83	
	lb					*7780	*7780		*8880	6170	(25.7)	
6.0 m (20 ft)	kg			*5170	*5170	*4870	4510	*2440	*2440	*3800	2170	8.78
	lb			*11400	*11400	*10740	9940	*5380	*5380	*8380	4780	(28.8)
4.5 m (15 ft)	kg			*6720	*6720	*5540	4310	*4390	2860	*3740	1850	9.36
	lb			*14820	*14820	*12210	9500	*9680	6310	*8250	4080	(30.7)
3.0 m (10 ft)	kg	*12710	12080	*8080	6370	*6130	4020	*5040	2720	3690	1690	9.63
	lb	*28020	26630	*17810	14040	*13510	8860	*11110	6000	8140	3730	(31.6)
1.5 m (5 ft)	kg	*8700	*8700	*9240	5740	*6660	3720	*5240	2570	3640	1650	9.63
	lb	*19180	*19180	*20370	12650	*14680	8200	*11550	5670	8020	3640	(31.6)
Ground Line	kg	*9390	*9390	*9580	5360	*6880	3490	*5260	2450	*3610	1720	9.35
	lb	*20700	*20700	*21120	11820	*15170	7690	*11600	5400	*7960	3790	(30.7)
-1.5 m (-5 ft)	kg	*12500	10070	*9020	5230	*6570	3380	*4860	2400	*3270	1950	8.77
	lb	*27560	22200	*19890	11530	*14480	7450	*10710	5290	*7210	4300	(28.8)
-3.0 m (-10 ft)	kg	*10150	*10150	*7560	5270	*5530	3400					
	lb	*22380	*22380	*16670	11620	*12190	7500					

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

STANDARD / OPTION

HX220 L

ENGINE	STD	OPT
Cummins QSB 6.7 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		●
Electronic Fan 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 windows	●	
Sliding fold-in front window	●	
Sliding side window(LH)	●	
Lockable door	●	
Hot & cool box	●	
Storage compartment & Ashtray	●	
Transparent cabin roof-cover	●	
Sun visor	●	
Door and cab locks, one key	●	
Mechanical suspension seat with heater	●	
Pilot-operated slidable joystick	●	
Console box height adjust system	●	
Automatic climate control		
Air conditioner & heater	●	
Defroster	●	
Starting Aid (air grid heater) for cold weather	●	
Centralized monitoring		
8" LCD display	●	
Engine speed or Trip meter/Accel.	●	
Engine coolant temperature gauge	●	
Max power	●	
Low speed/High speed	●	
Auto idle	●	
Overload	●	
Check Engine	●	
Air cleaner clogging	●	
Indicators	●	
ECO Gauges	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
Fuel warmer	●	
Warnings	●	
Communication error	●	
Low battery	●	
Clock	●	
Cabin lights		●
Cabin front window rain guard		●
Cabin roof-steel cover		●
Seat		
Adjustable air suspension seat with heater		●
Cabin FOPS/FOG (ISO/DIS 10262) Level 2		
FOPS (Falling Object Protective Structure) · ISO 3449 Level 2		●
FOG (Falling Object 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		●
Three outside rearview mirror	●	
OTHER		
Booms		
5.68m, 18' 8" Mono	●	
5.65m, 18' 6" 2-Piece		●
8.2m, 26' 11" Long reach		●
Arms		
2.0m, 6' 7"		●
2.4m, 7' 10"		●
2.92m, 9' 7"	●	
3.9m, 12' 10"		●
6.3m, 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 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		●
Boom Floating control		●
One Pedal Straight Travel System		●
Accumulator for lowering work equipment	●	
Pattern change valve (2 patterns)		●
Fine Swing Control System		●
Tool kit		●
UNDERCARRIAGE		
Lower frame under cover (Additional)		●
Lower frame under cover (Normal)	●	
Track shoes		
Triple grouser shoes (600mm, 24")	●	
Triple grousers shoe (700mm, 28")		●
Triple grousers shoe (800mm, 32")		●
Triple grousers shoe (900mm, 36")		●
Double grousers shoe (600mm, 24")		●
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.
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 * Materials and specifications are subject to change without advance notice.
 * All imperial measurements rounded off to the nearest pound or inch.

HX220 NL

ENGINE	STD	OPT
Cummins QSB 6.7 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		●
Electronic Fan 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 windows	●	
Sliding fold-in front window	●	
Sliding side window(LH)	●	
Lockable door	●	
Hot & cool box	●	
Storage compartment & Ashtray	●	
Transparent cabin roof-cover	●	
Sun visor	●	
Door and cab locks, one key	●	
Mechanical suspension seat with heater	●	
Pilot-operated slidable joystick	●	
Console box height adjust system	●	
Automatic climate control		
Air conditioner & heater	●	
Defroster	●	
Starting Aid (air grid heater) for cold weather	●	
Centralized monitoring		
8" LCD display	●	
Engine speed or Trip meter/Accel.	●	
Engine coolant temperature gauge	●	
Max power	●	
Low speed/High speed	●	
Auto idle	●	
Overload	●	
Check Engine	●	
Air cleaner clogging	●	
Indicators	●	
ECO Gauges	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
Fuel warmer	●	
Warnings	●	
Communication error	●	
Low battery	●	
Clock	●	
Cabin lights		●
Cabin front window rain guard		●
Cabin roof-steel cover		●
Seat		
Adjustable air suspension seat with heater		●
Cabin FOPS/FOG (ISO/DIS 10262) Level 2		
FOPS (Falling Object Protective Structure) · ISO 3449 Level 2		●
FOG (Falling Object Guard) · Front & Top Guard		●
ISO/DIS 10262 Level 2 · 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)		●
Four front working lights (2 boom mounted, 2 front frame mounted)	●	
Travel alarm		●
Rear work lamp		●
Beacon lamp		●
Automatic swing brake	●	
Boom holding system	●	
Arm holding system	●	
Safety lock valve for boom cylinder with overload warning device		●
Safety lock valve for arm cylinder		●
Swing Lock System		●
Three outside rearview mirror	●	
OTHER		
Booms		
5.65m, 18' 6" Mono	●	
5.65m, 18' 6" 2-Piece		●
Arms		
2.0m, 6' 7"		●
2.4m, 7' 10"		●
2.92m, 9' 7"	●	
Removable clean-out dust net for cooler	●	
Removable reservoir tank	●	
Fuel pre-filter	●	
Fuel Single warmer	●	
Fuel dual warmer		●
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		●
Boom Floating control		●
One Pedal Straight Travel System		●
Accumulator for lowering work equipment	●	
Pattern change valve (2 patterns)		●
Fine Swing Control System		●
Tool kit		●
UNDERCARRIAGE		
Lower frame under cover (Additional)		●
Lower frame under cover (Normal)	●	
Track shoes		
Triple grousers shoes (600mm, 24")	●	
Triple grousers shoe (700mm, 28")		●
Triple grousers shoe (500mm, 20")		●
Triple grousers shoe-H / CHASSIS (600mm, 24")		●
Track rail guard	●	
Full track rail guard		●

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