

MOVING YOU FURTHER

HX220 L / NL

With Tier 4 final / Stage IV Engine installed



*Photo may include optional equipment.

Net Power

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

Gross Power

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

Travel Speed

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

Operating Weight

HX220 L : 22,100 kg / 48,720 lb
HX220 NL : 22,300 kg / 49,720 lb



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

The HX series exceeds customers' 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 Travel Straight (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
- Wi-Fi Direct with Smart Phone (Miracast)
- Proportional Auxiliary Hydraulic System
- New Audio System
- New Air Conditioning System



HX220 L / NL



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)
- Cab Suspension Mount
- Swing Lock System (Option)
- Fine Swing Control (Option)



*Photo may include optional equipment.



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Cycle Time Improvement

The HX Series provides higher productivity on the site by faster operation: it loads trucks up to 5% faster and levels up to 4% faster than the 9 Series.

Boom Floating Control (Option / HX220 L 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.

WORK MAX, WORTH MAX

Fuel Efficient System, Allows Great Performance

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



ECO Gauge

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



IPC (Intelligent Power Control)

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

New Variable Power Control

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

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

Electronic Viscous Fan Clutch

The electronic fan clutch reduces noise during operation by precisely controlling RPM depending on the hydraulic oil and coolant temperature of the working vehicle, and minimizes fuel consumption. It is also possible to shorten the warm up time of hydraulic oil.



Attachment Flow Control (Option)

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



New Cooling System with Increased Air Flow

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

Enlarged Air Inlet with Grill Cover

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

One Pedal Travel Straight (Option)

One Pedal Travel Straight (Option) is available for customers' convenience when long distance traveling or combination of attachment work with traveling is necessary.

MORE RELIABLE, MORE SUSTAINABLE

New Exterior Design for Robustness and Safety

The true value of the HX Series lies in its durability. The robust upper and lower frame structure that can endure external shock and high-load work and the attachments whose performance was proven by rigorous tests further show the real value of the HX Series in tough working environments and promise higher productivity.



Durable Cooling Module

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



Reinforced Pin, Bush and Polymer Shim

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

Wear Resistant Cover Plate

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



Reinforced Durability of Upper and Lower Structure and Attachments

The upper and lower structure and attachments of the HX Series have higher durability than demanded on the site, as proven through numerous tests including road tests and virtual simulation. The wear resistance of the bucket has been improved by use of new material.



*Photo may include optional equipment.

Hi-grade (High-pressure) Hoses

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



*Photo may include optional equipment.

New Air Conditioning System

With further improved air conditioning and heating, the HX Series increases the APTC capacity by 15% to provide a pleasant environment for operators all the time. The ventilation was designed such that warm and cool air even reach operators' faces (increasing their work satisfaction) or allowing pleasant working environment.

INFOTAINMENT FRONTIER

Enhanced Instrument Panel for Easier Monitoring

Many electronic functions are concentrated on the most convenient spot for operators to ensure work efficiency. The highly-advanced infotainment system, a product of HHI's intensive information technology, enables both productivity and pleasant work at the same time! The HX Series of HHI provides higher value and pleasure to customers.



Intelligent and Wide Cluster

The 8-inch capacitive-type display (like smartphone display) of the HX Series is 30% larger than the previous model, delivering excellent legibility. The centralized switches on the display allow convenience of checking the urea level and temperature outside the cabin. The audio AUX, air conditioner and heater interoperation, and inclination sensor also maximize operator's convenience.



New Audio System

Radio player, USB-based MP3 player, integrated Bluetooth hands-free feature, and built-in microphone allow convenient phone calls while in work and in transit. The radio player was moved to the right side from the rear, allowing easier access.



Haptic Control

The integrated jog shuttle-type haptic controller applies to the accelerator, remote air conditioner controller and operation of the cluster, allowing convenient operation. In the event of failure of the haptic switch, the emergency mode is activated on the cluster to ensure fail-safe function.

Wi-Fi Direct with Smart Phone (Miracast)

The Miracast system based on Wi-Fi of the operator's smart phone enables easy and convenient use of various features of the smart phone on the big screen including navigation, web surfing, viewing of videos, and listening to music. (For Android mobile phone now)

Proportional Auxiliary Hydraulic System

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

MODERN COMFORT, SIMPLE AND SAFE SOLUTION

New Cabin for More Comfort

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



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

The HX Series has a state-of-the-art AAVM video camera system to secure field of vision for operators in all directions, thereby preventing accidents. Operators can easily check the workplace in the front, rear and to the right and left.



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

* IMOD (Intelligent Moving Object Detection): Inform when people or dangerous objects are detected within the range of operation (recognition distance: 5 m).



Easy Access to DEF/AdBlue® Supply System

The DEF/AdBlue® tank is installed inside the tool box and its inlet is remotely located for easy access and convenient supply. Warning of overfill is given by a red lamp signal. 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)

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 by 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 customer's convenience when users want to control fine swing.

SPECIFICATIONS

HX220 L

ENGINE			
Maker / Model			Cummins QSB6.7
Type			4-cycle turbocharged, charge air cooled diesel engine
Rated flywheel horse power	SAE	J1995 (gross)	136 kW (182.6 HP) at 1,950 rpm
		J1349 (net)	129 kW (173 HP) at 1,950 rpm
	DIN	6271/1 (gross)	136 kW (185 PS) at 1,950 rpm
		6271/1 (net)	129 kW (175 PS) at 1,950 rpm
Max. torque			85.7 kgf-m (620 lbf-ft) at 1,500 rpm
Bore x stroke			107 x 124 mm (4.21" x 4.88")
Piston displacement			6,700 cc (409 cu in)
Batteries			2 x 12 V x 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 x 222 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 (4,980 psi)
Travel	350 kgf/cm ² (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm ² (5,400 psi)
Swing circuit	265 kgf/cm ² (3,770 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

No. of cylinder bore x stroke	Boom: Ø 120 x 1,290 mm		
	2-Piece Boom: Ø 160 x 1,060 mm		
	Arm: Ø 140 x 1,510 mm		
	Bucket: Ø 120 x 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 (3.41 mph) / 3.6 km/hr (2.23 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

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	23	6.1	5.06
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 5,680 mm (18' 8") boom; 2,920 mm (9' 7") arm; SAE heaped 0.92 m³ (1.20 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

OPERATING WEIGHT

Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf / 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)

SPECIFICATIONS

HX220 NL

ENGINE			
Maker / Model			Cummins QSB6.7
Type			4-cycle turbocharged, charge air cooled diesel engine
Rated flywheel horse power	SAE	J1995 (gross)	136 kW (182.6 HP) at 1,950 rpm
		J1349 (net)	129 kW (173 HP) at 1,950 rpm
	DIN	6271/1 (gross)	136 kW (185 PS) at 1,950 rpm
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Max. torque			85.7 kgf-m (620 lbf-ft) at 1,500 rpm
Bore x stroke			107 x 124 mm (4.21" x 4.88")
Piston displacement			6,700 cc (409 cu in)
Batteries			2 x 12 V x 100 Ah
Starting motor			Denso 24 V - 4.8 kW
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HYDRAULIC SYSTEM

MAIN PUMP

Type	Variable displacement tandem axis piston pumps
Max. flow	2 x 222 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

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No. of cylinder bore x stroke	Boom: Ø 120 x 1,290 mm		
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	Arm: Ø 140 x 1,510 mm		
	Bucket: Ø 120 x 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 (3.41 mph) / 3.6 km/hr (2.23 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

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 5,650 mm (18' 6") boom; 2,920 mm (9' 7") arm; SAE heaped 0.87 m³ (1.14 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

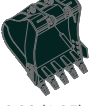
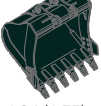
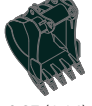
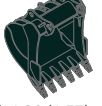
OPERATING WEIGHT

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)

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)

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 Boom			8,200 (26' 11") Boom
SAE heaped	CECE heaped	Without side cutters	With side cutters		2,000 (6' 7") Arm	2,400 (7' 10") Arm	2,920 (9' 7") Arm	3,900 (12' 10") Arm	2,000 (6' 7") Arm	2,400 (7' 10") Arm	2,920 (9' 7") Arm	6,300 (20' 8") Arm
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 kg / m³ (3,370 lb/ yd³) or less

⊙ : Applicable for materials with density of 1,600 kg / m³ (2,700 lb/ yd³) or less

○ : Applicable for materials with density of 1,100 kg / m³ (1,850 lb/ yd³) or less

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design.

5.68 m (18' 8") & 8.2 m (26' 11") Booms and 5.65 m (18' 6") 2-Piece Boom and 2.0 m (6' 7"); 2.4 m (7' 10"); 2.92 m (9' 7"); 3.9 m (12' 10") & 6.3 m (20' 8") Arms are available.

DIGGING FORCE

Boom	Length	mm (ft.in)	Boom 5,680 (18' 8")				2-Piece Boom 5,650 (18' 6")			8,200 (26' 11")	Remarks:
	Weight	kg (lb)	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	

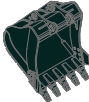
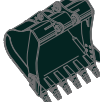
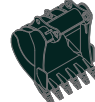
Note : Boom weight includes arm cylinder, piping, and pin

Arm weight includes bucket cylinder, linkage, and pin

BUCKET SELECTION GUIDE & DIGGING FORCE

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)

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 Boom		
					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' 7") 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 kg /m³ (3,370 lb/ yd³) or less
- ⊙ : Applicable for materials with density of 1,600 kg /m³ (2,700 lb/ yd³) or less
- : Applicable for materials with density of 1,100 kg /m³ (1,850 lb/ yd³) or less

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design.
5.65 m (18' 6") Boom & 5.65 m (18' 6") 2-Piece Boom and 2.0 m (6' 7"); 2.4 m (7' 10") & 2.92 m (9' 7") Arms are available.

DIGGING FORCE

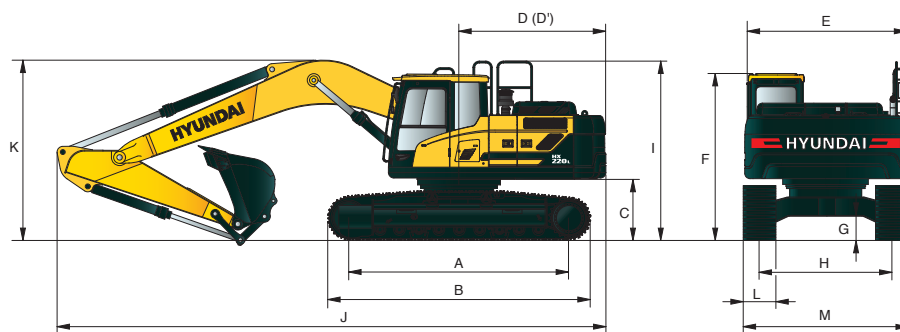
Boom	Length	mm (ft.in)	Boom 5,650 (18' 6")				2-Piece Boom 5,650 (18' 6")			Remarks:
	Weight	kg (lb)	1,950 (4,300)				2,600 (5,730)			
Arm	Length	mm (ft.in)	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	
	Weight	kg (lb)	975 (2,150)	1,045 (2,300)	1,095 (2,410)	1,295 (2,850)	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]	133.4 [144.8]	[]: Power Boost
		kgf	13600 [14770]	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]	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]	152.0 [165.0]	
		kgf	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	15500 [16830]	
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]	
		kgf	14700 [15960]	12200 [13250]	10400 [11290]	8600 [9340]	14700 [15960]	12200 [13250]	10400 [11290]	
		lbf	32410 [35190]	26900 [29210]	22930 [24900]	18960 [20590]	32410 [35190]	26900 [29210]	22930 [24900]	
	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]	
		kgf	15400 [16720]	12800 [13900]	10900 [11830]	8900 [9660]	15400 [16720]	12800 [13900]	10900 [11830]	
		lbf	33950 [36860]	28220 [30640]	24030 [26090]	19620 [21300]	33950 [36860]	28220 [30640]	24030 [26090]	
	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]	
		kgf	14700 [15960]	12200 [13250]	10400 [11290]	8600 [9340]	14700 [15960]	12200 [13250]	10400 [11290]	

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



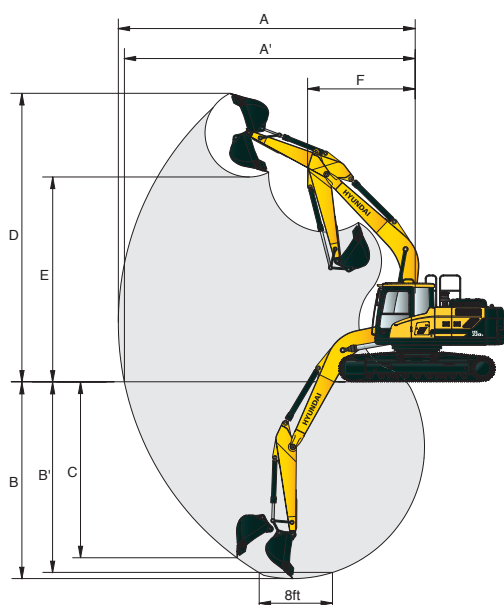
Unit : mm (ft-in)

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)

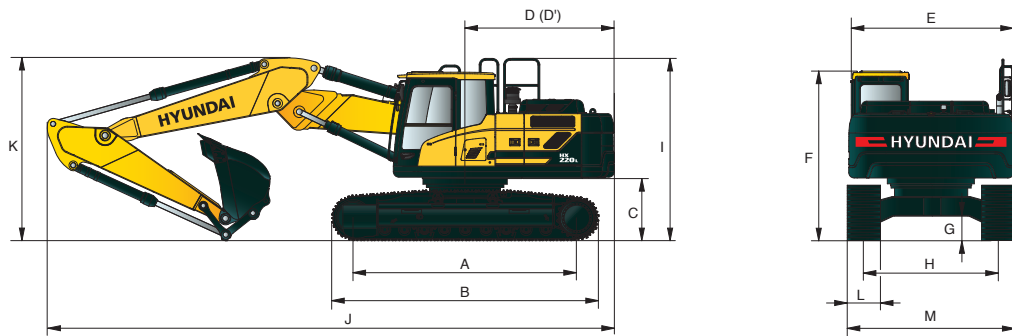


Boom length	5,680 (18' 8")			
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
A Max. digging reach	9,140 (30' 0")	9,500 (31' 2")	9,980 (32' 9")	10,910 (35' 10")
A' Max. digging reach on ground	8,960 (29' 5")	9,330 (30' 7")	9,820 (32' 3")	10,770 (35' 4")
B Max. digging depth	5,820 (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. front swing radius	3,750 (12' 4")	3,740 (12' 3")	3,670 (12' 0")	3,700 (12' 2")

DIMENSIONS & WORKING RANGE

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

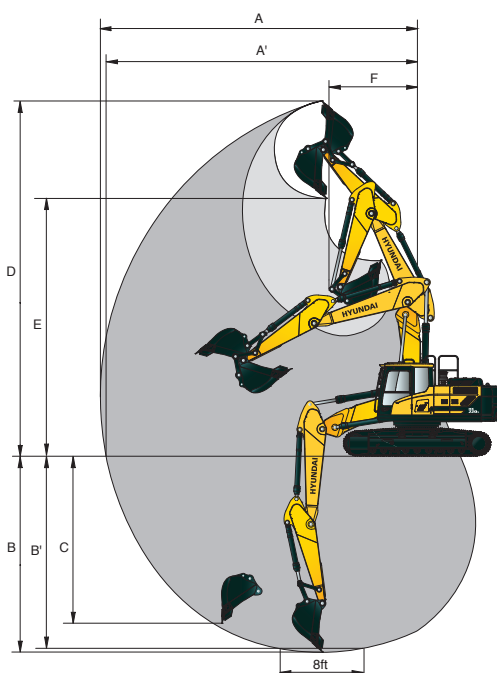


Unit : mm (ft-in)

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 (18' 6") 2-Piece Boom			
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



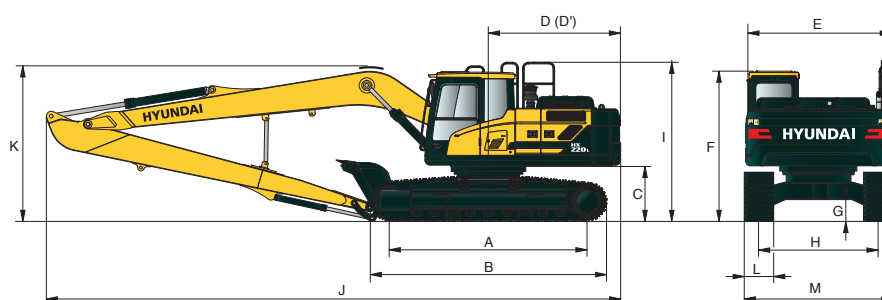
Unit : mm (ft-in)

Boom length	5,650 (18' 6") 2-Piece Boom			
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	5,820 (19' 1")	5,880 (19' 3")	6,400 (21' 0")	
B' Max. digging depth (8' level)	5,480 (18' 0")	5,770 (18' 11")	6,290 (20' 8")	
C Max. vertical wall digging depth	5,360 (17' 7")	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. front swing radius	2,870 (9' 5")	2,660 (8' 9")	2,530 (8' 4")	

DIMENSIONS & WORKING RANGE

HX220 L LONG REACH DIMENSIONS

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



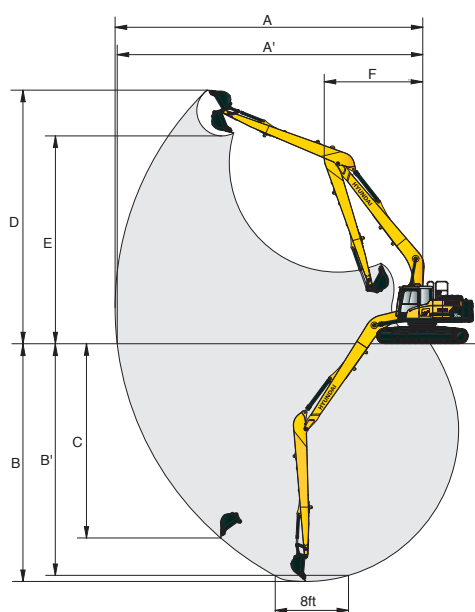
Unit : mm (ft-in)

A	Tumbler distance	3,650 (12' 0")
B	Overall length of crawler	4,404 (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	8,200 (26' 11")
	Arm length	6,300 (20' 8")
J	Overall length	12,030 (39' 6")
K	Overall height of boom	3,280 (10' 9")
L	Track shoe width	800 (32")
M	Overall width	3,190 (10' 6")

HX220 L LONG REACH WORKING RANGE

Unit : mm (ft-in)

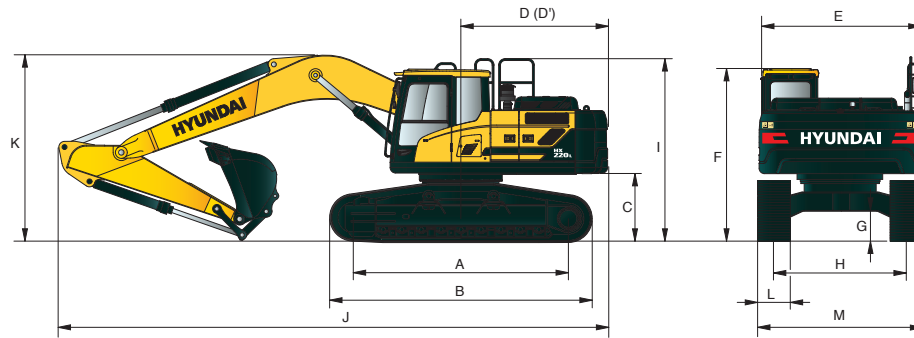


	Boom length	8,200 (26' 11")
	Arm length	6,300 (20' 8")
A	Max. digging reach	15,220 (50' 0")
A'	Max. digging reach on ground	15,120 (49' 7")
B	Max. digging depth	11,760 (38' 7")
B'	Max. digging depth (8' level)	11,650 (38' 3")
C	Max. vertical wall digging depth	9,610 (31' 6")
D	Max. digging height	12,550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

DIMENSIONS & WORKING RANGE

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") ARM



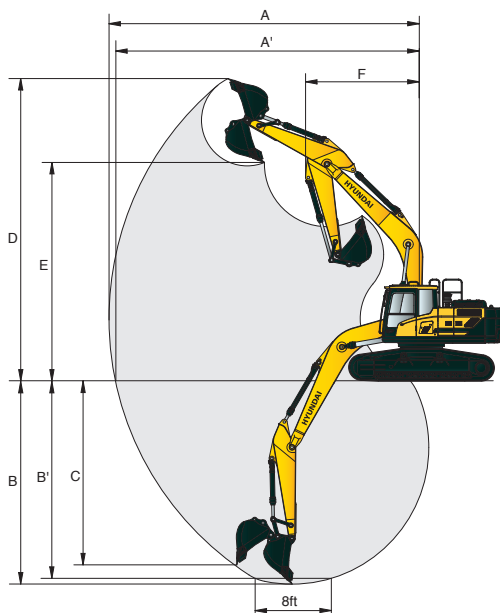
Unit : mm (ft-in)

A	Tumbler distance	3,650 (12' 0")
B	Overall length of crawler	4,404 (14' 4")
C	Ground clearance of counterweight	1,260 (4' 1")
D	Tail swing radius	2,890 (9' 5")
D'	Rear-end length	2,770 (9' 1")
E	Overall width of upperstructure	2,740 (9' 0")
F	Overall height of cab	3,200 (10' 5")
G	Min. ground clearance	660 (2' 2")
H	Track gauge	2,795 (9' 2")
I	Overall height of guardrail	3,410 (11' 2")

Boom length		5,680 (18' 8")			
Arm length		2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
J	Overall length	9,650 (31' 8")	9,550 (31' 4")	9,470 (31' 1")	9,560 (31' 4")
K	Overall height of boom	3,290 (10' 10")	3,170 (10' 5")	3,060 (10' 0")	3,450 (11' 4")
L	Track shoe	type	Triple grouser		Double grouser
		width	600 (24")	700 (28")	800 (32")
M	Overall width	3,395 (11' 2")	3,495 (11' 6")	3,595 (11' 10")	3,695 (12' 2")

HX220 L HIGH WALKER WORKING RANGE

Unit : mm (ft-in)

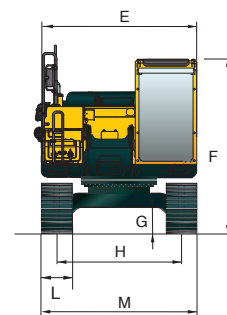
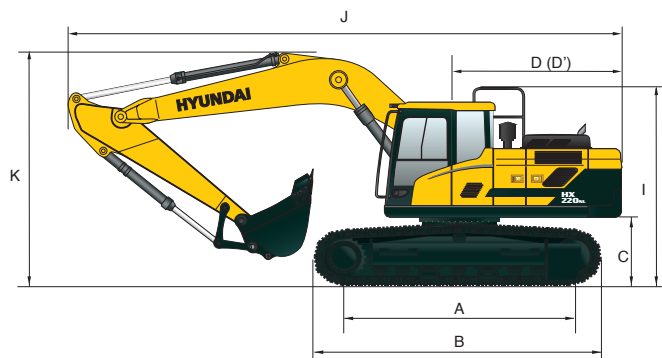


Boom length		5,680 (18' 8")			
Arm length		2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")	3,900 (12' 10")
A	Max. digging reach	9,140 (30' 0")	9,500 (31' 2")	9,980 (32' 9")	10,910 (35' 10")
A'	Max. digging reach on ground	8,920 (29' 3")	9,290 (30' 6")	9,820 (32' 3")	10,730 (35' 2")
B	Max. digging depth	5,630 (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. front 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



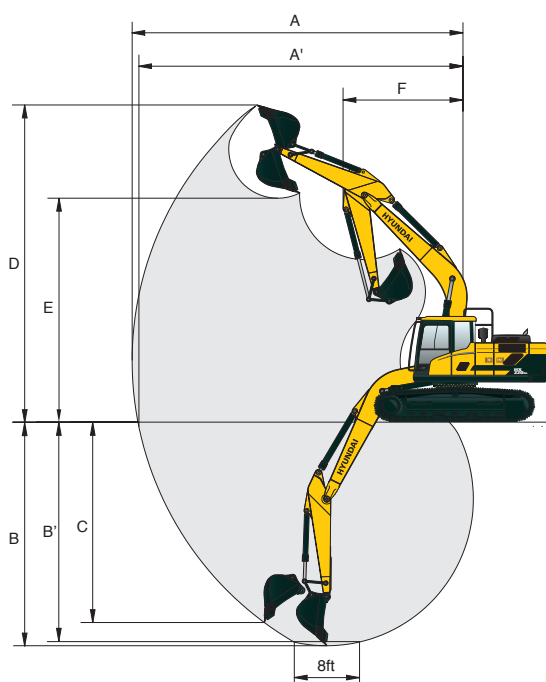
Unit : mm (ft-in)

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	2,850 (9' 4")
D'	Rear-end length	2,770 (9' 1")
E	Overall width of upperstructure	2,530 (8' 4")
F	Overall height of cab	3,000 (9' 8")
G	Min. ground clearance	480 (1' 7")
H	Track gauge	2,000 (6' 7")
I	Overall height of guardrail	3,210 (10' 5")

Boom length	5,650 (18' 6")		
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")	9,510 (31' 23")
K Overall height of boom	3,250 (10' 8")	3,170 (10' 5")	3,100 (10' 2")
L Track shoe width	500 (20")	600 (24")	700 (28")
M Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")

HX220 NL WORKING RANGE

Unit : mm (ft-in)

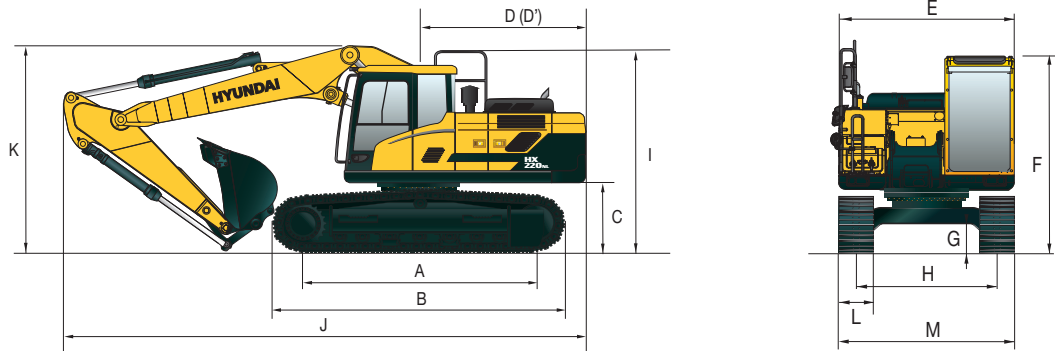


Boom length	5,650 (18' 68")		
Arm length	2,000 (6' 7")	2,400 (7' 10")	2,920 (9' 7")
A Max. digging reach	9,140 (30' 0")	9,500 (31' 2")	9,960 (32' 8")
A' Max. digging reach on ground	8,960 (29' 5")	9,340 (30' 8")	9,800 (32' 2")
B Max. digging depth	5,750 (18' 10")	6,150 (20' 2")	6,640 (21' 9")
B* Max. digging depth (8' level)	5,520 (18' 1")	5,950 (19' 6")	6,470 (21' 36")
C Max. vertical wall digging depth	5,320 (17' 5")	5,780 (19' 9")	6,250 (20' 6")
D Max. digging height	9,270 (30' 5")	9,500 (31' 2")	9,740 (31' 11")
E Max. dumping height	6,450 (21' 2")	6,660 (21' 10")	6,900 (22' 8")
F Min. front swing radius	3,710 (12' 2")	3,630 (11' 11")	3,580 (11' 9")

DIMENSIONS & 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



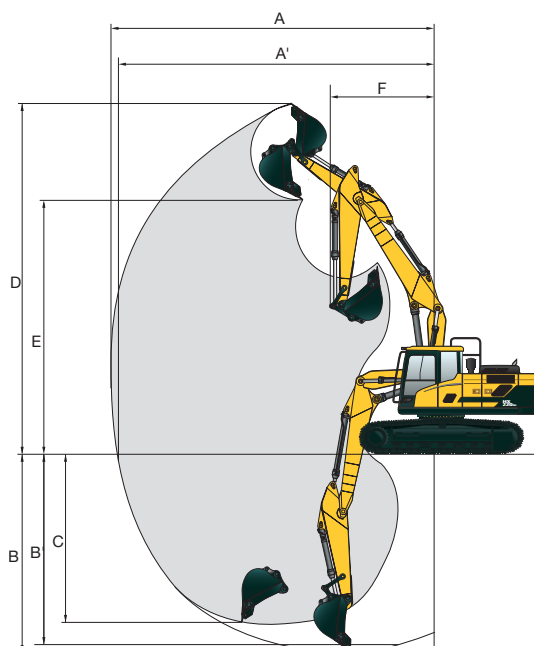
Unit : mm (ft-in)

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	2,850 (9' 4")
D'	Rear-end length	2,770 (9' 1")
E	Overall width of upperstructure	2,530 (8' 4")
F	Overall height of cab	3,000 (9' 8")
G	Min. ground clearance	480 (1' 7")
H	Track gauge	2,000 (6' 7")
I	Overall height of guardrail	3,210 (10' 5")

Boom length	5,650 (18' 6") 2-Piece Boom		
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")	9,520 (31' 2")
K Overall height of boom	3,200 (10' 6")	3,000 (9' 10")	3,030 (9' 11")
L Track shoe width	500 (20")	600 (24")	700 (28")
M Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")

HX220 NL 2-PIECE BOOM WORKING RANGE

Unit : mm (ft-in)



Boom length	5,650 (18' 6") 2-Piece Boom		
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	8,940 (29' 4")	9,360 (30' 9")	9,860 (32' 4")
B Max. digging depth	5,480 (18' 0")	5,890 (19' 4")	6,400 (21' 0")
B' Max. digging depth (8' level)	5,360 (17' 7")	5,770 (18' 11")	6,300 (20' 8")
C Max. vertical wall digging depth	4,560 (15' 0")	4,990 (16' 4")	5,530 (18' 2")
D Max. digging height	10,300 (33' 10")	10,670 (35' 0")	11,080 (36' 4")
E Max. dumping height	7,390 (24' 3")	7,740 (25' 5")	8,160 (26' 9")
F Min. front swing radius	2,870 (9' 5")	2,670 (8' 9")	2,530 (8' 4")

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX220 L

5.68 m (18' 8") Boom; 2.00 m (6' 7") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoes.

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								*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") Boom; 2.40 m (7' 10") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoes.

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											*3660 *8070	3640 8020	7.15 (23.5)
6.0 m (20 ft)	kg lb						*3970 *8750	*3970 *8750				*3730 *8220	2750 6060	8.20 (26.9)
4.5 m (15 ft)	kg lb						*4450 *9810	*4450 *9810	*4190 *9240	3120 6880		*3860 *8510	2320 5110	8.82 (28.9)
3.0 m (10 ft)	kg lb					*6850 *15100	*6850 *15100	*5240 *11550	4410 9720	*4520 *9960	3010 6640	3760 8290	2120 4670	9.11 (29.9)
1.5 m (5 ft)	kg lb					*8510 *18760	6400 14110	*6080 *13400	4130 9110	*4930 *10870	2880 6350	3710 8180	2070 4560	9.10 (29.9)
Ground Line	kg lb			*8830 *19470	*8830 *19470	*9440 *20810	6100 13450	*6700 *14770	3940 8690	4960 10930	2770 6110	3890 8580	2170 4780	8.18 (26.8)
-1.5 m (-5 ft)	kg lb	*9800 *21610	*9800 *21610	*13550 *29870	12120 26720	*9610 *21190	6020 13270	*6920 *15260	3860 8510			4400 9700	2480 5470	7.12 (23.4)
-3.0 m (-10 ft)	kg lb	*14180 *31260	*14180 *31260	*13180 *29060	12340 27210	*9040 *19930	6100 13450	*6540 *14420	3900 8600			*4660 *10270	3190 7030	
-4.5 m (-15 ft)	kg lb			*10580 *23320	*10580 *23320	*7350 *16200	6350 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.

LIFTING CAPACITY



Rating over-front



Rating over-side or 360 degrees

HX220 L

5.68 m (18' 8") Boom; 2.92 m (9' 7") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoes.

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											*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	*3780	3170	*3530	2090	9.32
	lb							*8750	*8750	6990	6990	*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") Boom; 3.90 m (12' 9") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoes.

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													*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	*3110	2140	10.52
	lb							*8600	*8600	*7740	*7740	*6330	6310	*6860	4720	(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									

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.

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

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 and 600 mm (24") triple grouser shoes.

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 lb									*6180 *13620	*6180 *13620	4.64 (15.2)
9.0 m (30 ft)	kg lb									*6520 *14370	*6520 *14370	4.61 (15.1)
7.5 m (25 ft)	kg lb			*6710 *14790	*6710 *14790					*5270 *11620	4060 8950	6.67 (21.9)
6.0 m (20 ft)	kg lb			6780 15150	*6870 *15150	*5850 *12900	4780 10540			*4850 *10690	2970 6550	7.80 (25.6)
4.5 m (15 ft)	kg lb	*11340 *25000	*11340 *25000	*7750 *17090	7500 16530	*6130 *13510	4610 10160			4360 9610	2470 5450	8.45 (27.7)
3.0 m (10 ft)	kg lb			*8930 *19690	6810 15010	*6590 *14530	4330 9550	5200 11460	2950 6500	4030 8880	2250 4960	8.75 (28.7)
1.5 m (5 ft)	kg lb			*9600 *21160	6250 13780	*6900 *15210	4060 8950	5070 11180	2830 6240	3980 8770	2200 4850	8.75 (28.7)
Ground Line	kg lb			*9290 *20480	6020 13270	*6800 *14990	3890 8580	4990 11000	2760 6080	*3940 *8690	2330 5140	8.44 (27.7)
-1.5 m (-5 ft)	kg lb	*9840 *21690	*9840 *21690	*8130 *17920	6010 13250	*6060 *13360	3850 8490			*3360 *7410	2710 5970	7.77 (25.5)
-3.0 m (-10 ft)	kg lb			*6030 *13290	*6030 *13290	*4250 *9370	3970 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 shoes.

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 lb									*5690 *12540	*5690 *12540	5.40 (17.7)
7.5 m (25 ft)	kg lb			*5860 *12920	*5860 *12920					*4850 *10690	3560 7850	7.19 (23.6)
6.0 m (20 ft)	kg lb			*6410 *14130	*6410 *14130	*5520 *12170	4860 10710			*4510 *9940	2690 5930	8.23 (27.0)
4.5 m (15 ft)	kg lb	*10290 *22690	*10290 *22690	*7300 *16090	*7300 *16090	*5860 *12920	4670 10300	*4360 *9610	3080 6790	4020 8860	2260 4980	8.85 (29.0)
3.0 m (10 ft)	kg lb			*8550 *18850	6940 15300	*6370 *14040	4370 9630	*5170 *11140	2960 6530	3740 8250	2060 4540	9.14 (30.0)
1.5 m (5 ft)	kg lb			*9440 *20810	6320 13930	*6780 *14950	4070 8970	5070 11180	2820 6220	3690 8140	2020 4450	9.13 (30.0)
Ground Line	kg lb	*8600 *18960	*8600 *18960	*9420 *20770	6000 13230	*6820 *15040	3870 8530	4960 10930	2720 6000	*3760 *8290	2120 4670	8.84 (29.0)
-1.5 m (-5 ft)	kg lb	*11240 *24780	*11240 *24780	*8510 *18760	5930 13070	*6280 *13850	3800 8380	*4460 *9830	2710 5970	*3310 *7300	2440 5380	8.21 (26.9)
-3.0 m (-10 ft)	kg lb			*6700 *14770	6040 13320	*4870 *10740	3860 8510					

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.

LIFTING CAPACITY



Rating over-front



Rating over-side or 360 degrees

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 and 600 mm (24") triple grouser shoes.

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
9.0 m	kg			*3290	*3290					*4590	*4590
(30 ft)	lb			*7250	*7250					*10120	*10120
7.5 m	kg					*3520	*3520			*4020	3060
(25 ft)	lb					*7760	*7760			*8860	6750
6.0 m	kg			*5160	*5160	*4870	*4870	*2440	*2440	*3790	2370
(20 ft)	lb			*11380	*11380	*10740	*10740	*5380	*5380	*8360	5220
4.5 m	kg			*6680	*6680	*5480	4750	*4380	3140	3650	2020
(15 ft)	lb			*14730	*14730	*12080	10470	*9660	6920	8050	4450
3.0 m	kg	*12620	*12620	*8000	7130	*6060	4430	*4970	2990	3400	1850
(10 ft)	lb	*27820	*27820	*17640	15720	*13360	9770	*10960	6590	7500	4080
1.5 m	kg	*8680	*8680	*9130	6430	*6580	4100	5070	2820	3350	1800
(5 ft)	lb	*19140	*19140	*20130	14180	*14510	9040	11180	6220	7390	3970
Ground	kg	*9390	*9390	*9450	6000	*6780	3850	4930	2690	3500	1880
Line	lb	*20700	*20700	*20830	13230	*14950	8490	10870	5930	7720	4140
-1.5 m	kg	*12500	11770	*8880	5850	*6460	3730	*4770	2630	*3200	2130
(-5 ft)	lb	*27560	25950	*19580	12900	*14240	8220	*10520	5800	*7050	4700
-3.0 m	kg	*9950	*9950	*7420	5890	*5420	3750				
(-10 ft)	lb	*21940	*21940	*16360	12990	*11950	8270				

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.

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

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 shoes.

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	
																		m (ft)	
10.5 m (35 ft)	kg																*1470	*1470	12.11
	lb																*3240	*3240	(39.7)
9.0 m (30 ft)	kg											*930	*930				*1490	*1490	13.11
	lb											*2050	*2050				*3280	*3280	(43.0)
7.5 m (25 ft)	kg											*1540	*1540				*1530	1350	13.84
	lb											*3400	*3400				*3370	2980	(45.4)
6.0 m (20 ft)	kg									*1590	*1590	*1600	*1600				*1580	1190	14.37
	lb									*3510	*3510	*3530	*3530				*3480	2620	(47.1)
4.5 m (15 ft)	kg									*1770	*1770	*1710	*1710	*1260	*1260		*1630	1080	14.72
	lb									*3900	*3900	*3770	*3770	*2780	*2780		*3590	2380	(48.3)
3.0 m (10 ft)	kg					*2500	*2500	*2200	*2200	*2000	*2000	*1860	1670	*1590	1260		*1700	1010	14.89
	lb					*5510	*5510	*4850	*4850	*4410	*4410	*4100	3680	*3510	2780		*3750	2230	(48.9)
1.5 m (5 ft)	kg	*5570	*5570	*3900	*3900	*3060	*3060	*2560	*2560	*2240	2050	*2030	1570	*1790	1200		*1780	970	14.90
	lb	*12280	*12280	*8600	*8600	*6750	*6750	*5640	*5640	*4940	4520	*4480	3460	*3950	2650		*3920	2140	(48.9)
Ground Line	kg	*6930	6870	*4720	4590	*3580	3320	*2910	2490	*2490	1910	*2200	1480	*1820	1140		*1860	960	14.75
	lb	*15280	15150	*10410	10120	*7890	7320	*6420	5490	*5490	4210	*4850	3260	*4010	2510		*4100	2120	(48.4)
-1.5 m (-5 ft)	kg	*7750	6340	*5330	4220	*4020	3060	*3220	2320	*2700	1790	*2350	1400	*1570	1100		*1960	990	14.42
	lb	*17090	13980	*11750	9300	*8860	6750	*7100	5110	*5950	3950	*5180	3090	*3460	2430		*4320	2180	(47.3)
-3.0 m (-10 ft)	kg	*8150	6120	*5720	4000	*4330	2890	*3450	2190	*2870	1700	*2460	1340				*2060	1050	13.92
	lb	*17970	13490	*12610	8820	*9550	6370	*7610	4830	*6330	3750	*5420	2950				*4540	2310	(45.7)
-4.5 m (-15 ft)	kg	*8220	6060	*5890	3910	*4490	2810	*3590	2120	*2960	1660	*2490	1330				*2180	1170	13.20
	lb	*18120	13360	*12990	8620	*9900	6190	*7910	4670	*6530	3660	*5490	2930				*4810	2580	(43.3)
-6.0 m (-20 ft)	kg	*8020	6130	*5840	3920	*4500	2790	*3600	2110	*2940	1660						*2310	1370	12.25
	lb	*17680	13510	*12870	8640	*9920	6150	*7940	4650	*6480	3660						*5090	3020	(40.2)
-7.5 m (-25 ft)	kg	*7500	6310	*5550	4010	*4300	2850	*3420	2170	*2700	1730						*2430	1710	10.97
	lb	*16530	13910	*12240	8840	*9480	6280	*7540	4780	*5950	3810						*5360	3770	(36.0)
-9.0 m (-30 ft)	kg	*6570	*6570	*4920	4200	*3790	3000	*2890	2320										
	lb	*14480	*14480	*10850	9260	*8360	6610	*6370	5110										
-10.5 m (-35 ft)	kg	*4970	*4970	*3680	*3680														
	lb	*10960	*10960	*8110	*8110														

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.

LIFTING CAPACITY



Rating over-front



Rating over-side or 360 degrees

HX220 L HIGH WALKER

5.68 m (18' 8") Boom; 2.00 m (6' 7") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoes.

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	
7.5 m (25 ft)	kg									*3970	*3970
	lb									*8750	*8750
6.0 m (20 ft)	kg					*4400	*4400			*4020	3920
	lb					*9700	*9700			*8860	8640
4.5 m (15 ft)	kg			*5690	*5690	*4820	*4820			*4140	3330
	lb			*12540	*12540	*10630	*10630			*9130	7340
3.0 m (10 ft)	kg			*7420	*7420	*5570	*5570	*4780	3930	*4300	3060
	lb			*16360	*16360	*12280	*12280	*10540	8660	*9480	6750
1.5 m (5 ft)	kg			*8940	8430	*6340	5420	*5140	3810	4300	3010
	lb			*19710	18580	*13980	11950	*11330	8400	9480	6640
Ground Line	kg			*9640	8190	*6860	5250	*5370	3730	4540	3170
	lb			*21250	18060	*15120	11570	*11840	8220	10010	6990
-1.5 m (-5 ft)	kg	*13940	*13940	*9580	8160	*6950	5190			*4840	3630
	lb	*30730	*30730	*21120	17990	*15320	11440			*10670	8000
-3.0 m (-10 ft)	kg	*12450	*12450	*8770	8290	*6310	5290			*4800	4780
	lb	*27450	*27450	*19330	18280	*13910	11660			*10580	10540
-4.5 m (-15 ft)	kg	*9410	*9410								
	lb	*20750	*20750								

5.68 m (18' 8") Boom; 2.40 m (7' 10") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoes.

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)	
7.5 m (25 ft)	kg									*3660	*3660
	lb									*8070	*8070
6.0 m (20 ft)	kg							*3970	*3970	*3730	3580
	lb							*8750	*8750	*8220	7890
4.5 m (15 ft)	kg							*4450	*4450	*4190	4060
	lb							*9810	*9810	*9240	8950
3.0 m (10 ft)	kg					*6850	*6850	*5240	*5240	*4520	3940
	lb					*15100	*15100	*11550	*11550	*9960	8690
1.5 m (5 ft)	kg					*8510	8500	*6080	5430	*4930	3810
	lb					*18760	18740	*13400	11970	*10870	8400
Ground Line	kg			*8830	*8830	*9440	8180	*6700	5230	*5250	3700
	lb			*19470	*19470	*20810	18030	*14770	11530	*11570	8160
-1.5 m (-5 ft)	kg	*9800	*9800	*13550	*13550	*9610	8090	*6920	5140	*4590	3300
	lb	*21610	*21610	*29870	*29870	*21190	17840	*15260	11330	*10120	7280
-3.0 m (-10 ft)	kg	*14180	*14180	*13180	*13180	*9040	8170	*6540	5190	*4660	4190
	lb	*31260	*31260	*29060	*29060	*19930	18010	*14420	11440	*10270	9240
-4.5 m (-15 ft)	kg			*10580	*10580	*7350	*7350				
	lb			*23320	*23320	*16200	*16200				

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.

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX220 L HIGH WALKER

5.68 m (18' 8") Boom; 2.92 m (9' 7") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoes.

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") Boom; 3.90 m (12' 9") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoes.

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	3080 6790	2090 4610	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	3180 7010	2150 4740	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	*2330 *5140	3450 7610	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			*3850 *8490	2750 6060	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					*3990 *8800	3640 8020	7.62 (25.0)
-6.0 m (-20 ft)	kg lb			*10560 *23280	*10560 *23280	*7050 *15540	*7050 *15540									

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.

LIFTING CAPACITY



Rating over-front



Rating over-side or 360 degrees

HX220 NL

5.65 m (18' 6") Boom; 2.00 m (6' 7") arm equipped with 0.87 m³ (SAE heaped) bucket and 500 mm (20") triple grouser shoes.

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

5.65 m (18' 6") Boom; 2.00 m (6' 7") arm equipped with 0.87 m³ (SAE heaped) bucket and 500 mm (20") triple grouser shoes.

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)	
7.5 m (25 ft)	kg									*3690	3360
	lb									*8140	7410
6.0 m (20 ft)	kg							*3990	*3990	*3780	2540
	lb							*8800	*8800	*8330	5600
4.5 m (15 ft)	kg							*4460	4280	*4050	2860
	lb							*9830	9440	*8930	6310
3.0 m (10 ft)	kg					*6850	6280	*5260	4020	*4560	2760
	lb					*15100	13850	*11600	8860	*10050	6080
1.5 m (5 ft)	kg					*8540	5750	*6120	3760	*4980	2630
	lb					*18830	12680	*13490	8290	*10980	5800
Ground Line	kg			*9080	*9080	*9520	5470	*6760	3580	*5310	2540
	lb			*20020	*20020	*20990	12060	*14900	7890	*11710	5600
-1.5 m (-5 ft)	kg	*9930	*9930	*13780	10400	*9710	5400	*6990	3510	*4670	2280
	lb	*21890	*21890	*30380	22930	*21410	11900	*15410	7740	*10300	5030
-3.0 m (-10 ft)	kg	*14320	*14320	*13400	10600	*9170	5470	*6630	3550	*4750	2940
	lb	*31570	*31570	*29540	23370	*20220	12060	*14620	7830	*10470	6480
-4.5 m (-15 ft)	kg			*10790	*10790	*7470	5710				
	lb			*23790	*23790	*16470	12590				

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.

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX220 NL

5.65 m (18' 6") Boom; 2.92 m (9' 7") arm equipped with 0.87 m³ (SAE heaped) bucket and 500 mm (20") triple grouser shoes.

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

HX220 NL 2-PIECE BOOM

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 shoes.

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

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.

LIFTING CAPACITY



Rating over-front



Rating over-side or 360 degrees

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 and 500 mm (20") triple grouser shoes.

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

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

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.

SPECIFICATIONS

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	●	
CABIN & 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 (ISO 12117-2)		
ROPS (Roll Over Protective Structure)	●	

SAFETY	STD	OPT
Battery master switch	●	
Rearview camera	●	
AAVM (Advanced Around View Monitoring)		●
Four front working lights	●	
Travel alarm	●	
Rear work lamp		●
Beacon lamp		●
Automatic swing brake	●	
Boom holding system	●	
Arm holding system	●	
Safety lock valve for boom cylinder with overload warning device	●	
Safety lock valve for arm cylinder		●
Swing Lock System		●
Three outside rearview mirrors	●	
OTHER		
Booms		
5.68 m; 18' 8" Mono boom	●	
5.65 m; 18' 6" 2-Piece boom		●
8.2 m; 26' 11" Long reach		●
Arms		
2.0 m; 6' 7"		●
2.4 m; 7' 10"		●
2.92 m; 9' 7"	●	
3.9 m; 12' 10"		●
6.3 m; 20' 8" Long reach		●
Removable clean-out dust net for cooler	●	
Removable reservoir tank	●	
Fuel pre-filter	●	
Fuel warmer	●	
Self-diagnostics system	●	
Hi MATE (Remote Management System)	●	
Batteries (2 × 12 V × 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 (600 mm; 24")	●	
Triple grouser shoes (700 mm; 28")		●
Triple grouser shoes (800 mm; 32")		●
Triple grouser shoes (900 mm; 36")		●
Double grouser shoes (600 mm; 24")		●
Double grouser shoes (700 mm; 28")		●
Track rail guard	●	
Full track rail guard high walker		●

STD = Standard
OPT = Optional

SPECIFICATIONS

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	●	
CABIN & 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 (ISO 12117-2)		
ROPS (Roll Over Protective Structure)	●	

SAFETY	STD	OPT
Battery master switch	●	
Rearview camera	●	
AAVM (Advanced Around View Monitoring)		●
Four front working lights	●	
Travel alarm	●	
Rear work lamp		●
Beacon lamp		●
Automatic swing brake	●	
Boom holding system	●	
Arm holding system	●	
Safety lock valve for boom cylinder with overload warning device	●	
Safety lock valve for arm cylinder		●
Swing Lock System		●
Three outside rearview mirrors	●	
OTHER		
Booms		
5.65 m; 18' 6" Mono boom	●	
5.65 m; 18' 6" 2-Piece boom		●
Arms		
2.0 m; 6' 7"		●
2.4 m; 7' 10"		●
2.92 m; 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 12 V x 100 Ah)	●	
Fuel filler pump (50 l/min)	●	
Single-acting piping kit (breaker, etc.)		●
Double-acting piping kit (clamshell, etc.)	●	
Rotating Piping Kit		●
Quick coupler piping		●
Quick coupler		●
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 (600 mm; 24")	●	
Triple grouser shoes (700 mm; 28")		●
Triple grouser shoes (800 mm; 32")		●
Triple grouser shoes - H / Chassis (600 mm; 24")		●
Track rail guard	●	
Full track rail guard		●

STD = Standard
OPT = Optional

- * 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.
- * The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant HFC-134a (Global Warming Potential = 1430).
The system contains 0.65 kg of refrigerant which has a CO₂ equivalent of 0.9295 metric tonne.



PLEASE CONTACT

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