

MOVING YOU FURTHER

HX480L

With Tier 4 final / Stage IV Engine installed



*Photo may include optional equipment.

Net Power

SAE J1349 / 316 kW (424 HP) at 1,900 rpm

Gross Power

SAE J1995 / 331 kW (444 HP) at 1,900 rpm

Travel Speed

5.3 km/hr (3.29 mph) / 3.3 km/hr (2.05 mph)

Operating Weight

49,500 kg / 109,130 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.





HYUNDAI

**HX
480LC**

*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
- Enlarged Air Inlet with Grill Cover
- Attachment Flow Control (Option)
- New Cooling System with Increased Air Flow
- Cycle Time Improvement
- Boom Floating Control (Option)



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



HX480L

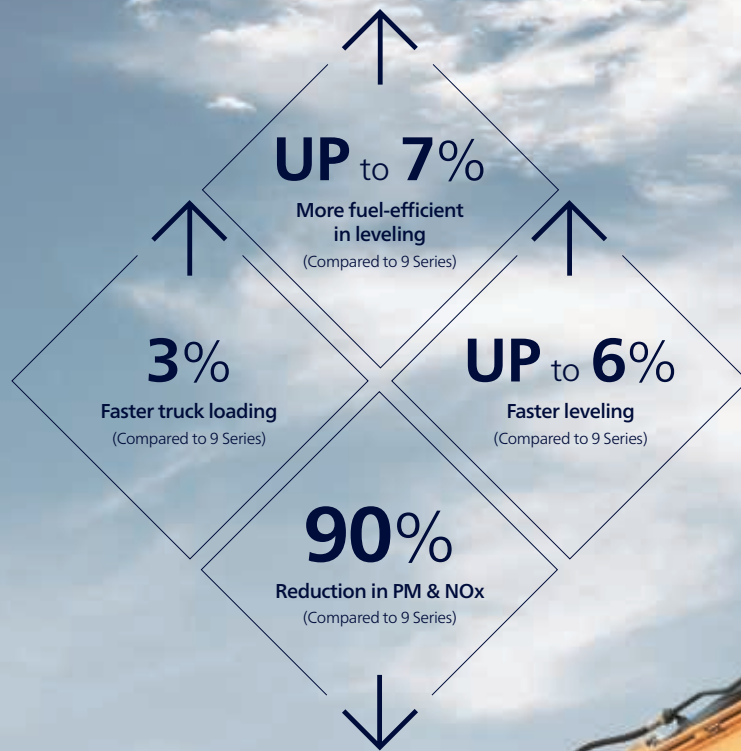


MODERN COMFORT, SIMPLE AND SAFE SOLUTION

- AAVM (Advanced Around View Monitoring) Camera System (Option)
- Easy Access to DEF/AdBlue® Supply System
- Hi MATE (Remote Management System)
- Cab Suspension Mount



*Photo may include optional equipment.



Fuel Rate Information*



*Photo may include optional equipment.

*Numbers in this illustration are for reference.

Cycle Time Improvement

The HX Series provides higher productivity on the site by faster operation: it loads trucks up to 3% faster and levels up to 6% faster than the 9 Series.

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.

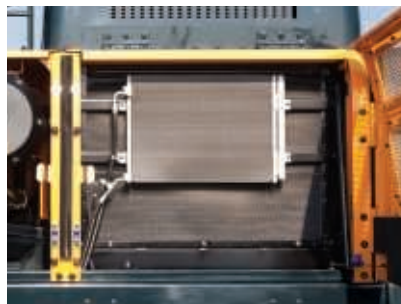
Enlarged Air Inlet with Grill Cover

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



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 dual cooling module improving air inflow, the HX Series provides excellent cooling performance by increasing heat dissipation and can be easily cleaned.

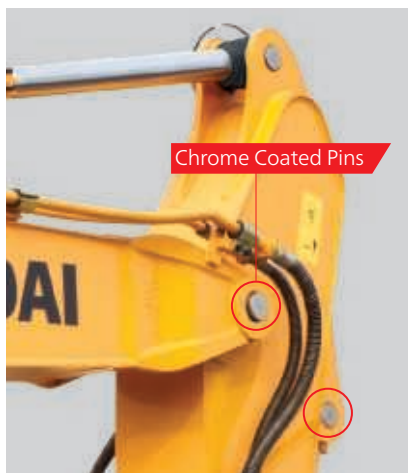
Boom Floating Control (Option)

In order to achieve efficient leveling work by arm-in and arm-out operation with the boom fixed, the HX Series applies boom floating control, allowing stable operation even in high-load work.

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.



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.



Durable Cooling Module

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



Reinforced Durability of Upper and Lower Structure and Attachments

The upper and lower structure and attachments of 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. Durability of Arm and Boom has been reinforced by 1.5 times, compared to the previous generation 9-series.



Almost Doubled Durability of the Attachments for HX480

New boom and arm for HX480 radically enhanced its durability in fields. Principal dimensions have been increased notably at critical section while their total weights were kept as usual by means of structural optimization. Completely new welding technique, which was developed to remove the back plate, also contributed a lot to the enhancement. The new attachments, in the end, have been proved to ensure at least 1.8 times longer life than those for 9-series.



*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 system, HX series provide pleasant temperature condition all the time. The cabin filter removes micro particulates and supplies cleaner inlet air.

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, heater interoperation, wiper, lamp, overload warning, travel, alarm 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).



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.

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.

* Operation of the system may be affected by the condition of telecommunication signal



*Photo may include optional equipment.

Cab Suspension Mount

With a low-vibration design by the coil spring and damper inside the mount, the cab suspension mount of the HX Series reduces noise inside the cabin and improves durability, providing a comfortable operation space that lessens operators' fatigue.

SPECIFICATIONS

ENGINE

Maker / Model			Scania DC13 084Ac
Type			4-cycle turbocharged, charge air cooled diesel engine
Rated flywheel horse power	SAE	J1995 (gross)	331 kW (444 HP) at 1,900 rpm
		J1349 (net)	316 kW (424 HP) at 1,900 rpm
	DIN	6271/1 (gross)	331 kW (450 PS) at 1,900 rpm
		6271/1 (net)	316 kW (430 PS) at 1,900 rpm
Max. torque			232 kgf-m (1.678 lbf-ft) at 1,250 rpm
Bore x stroke			130 x 160 mm (5.12" x 6.3")
Piston displacement			12,700 cc (775 cu in)
Batteries			24 V x 200 Ah
Starting motor			24 V - 6 kW
Alternator			24 V - 100 A

HYDRAULIC SYSTEM

MAIN PUMP

Type	Variable displacement tandem axis piston pumps
Max. flow	2 x 380 l/min (100.4 U.S. gpm / 83.6 U.K. gpm)
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	330 kgf/cm ² (4,690 psi)
Travel	330 kgf/cm ² (4,690 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	285 kgf/cm ² (4,050 psi)
Pilot circuit	40 kgf/cm ² (569 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

No. of cylinder bore x stroke	Boom: Ø 170 x 1,570 mm	
	Arm: Ø 190 x 1,820 mm	
	Bucket: Ø 160 x 1,370 mm	

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	34,100 kgf (75,180 lbf)
Max. travel speed (high / low)	5.3 km/hr (3.29 mph) / 3.3 km/hr (2.05 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	8.6 rpm

SERVICE REFILL CAPACITIES

Re-filling	liter	US gal	UK gal
Fuel tank	610	161.1	134.2
Engine coolant	50	13.2	11
Engine oil	39	10.3	8.6
Swing device (each)	7	1.8	1.54
Final drive (each)	12	3.2	2.64
Hydraulic system (including tank)	486	128.4	105.9
Hydraulic tank	262	69.2	57.6
DEF/AdBlue®	69	18.2	15.2

UNDERCARRIAGE

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

Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	53 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)

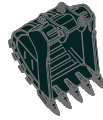
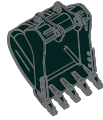
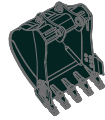
Operating weight, including 7,060 mm (23' 2") boom; 3,380 mm (11' 1") arm; SAE heaped 2.2 m³ (2.88 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

OPERATING WEIGHT

Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf / cm ² (psi)
Triple grouser	600 (24")	HX480 L	49,500 (109,130)	0.86 (12.23)
	700 (28")	HX480 L	50,020 (110,280)	0.75 (10.67)
	750 (30")	HX480 L	50,280 (110,850)	0.70 (9.95)
	800 (32")	HX480 L	50,540 (111,420)	0.66 (9.35)
	900 (36")	HX480 L	51,060 (112,570)	0.59 (8.39)
Double grouser	600 (24")	HX480 L	49,315 (108,720)	0.86 (12.23)
	700 (28")	HX480 L	49,835 (109,870)	0.74 (10.52)
Heavy duty grouser	600 (24")	HX480 HD	49,680 (109,530)	0.86 (12.23)
	700 (28")	HX480 HD	50,230 (110,740)	0.75 (10.67)

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS



SAE heaped
m³ (yd³)

1.00 (1.31)
1.38 (1.8)
2.20 (2.88)
2.79 (3.65)
3.00 (3.92)

◆ 2.20 (2.88)
◆ 2.43 (3.18)
◆ 2.79 (3.65)
◆ 3.20 (4.19)

◆ 2.20 (2.88)
◆ 2.43 (3.18)
◆ 2.79 (3.65)
◆ 3.20 (4.19)

Capacity m ³ (yd ³)		Width mm (in)	Weight kg (lb)	Recommendation mm (ft.in)						
				6,550 (21' 6") Boom		7,060 (23' 2") Boom				9,000 (29' 6") Boom
				2,400 (7' 10") Arm	2,900 (9' 6") Arm	2,400 (7' 10") Arm	2,900 (9' 6") Arm	3,380 (11' 1") Arm	4,000 (13' 1") Arm	6,000 (19' 8") Arm
1.00 (1.31)	0.90 (1.18)	1,030 (41")	1,450 (3,200)	●	●	●	●	●	●	●
1.38 (1.8)	1.24 (1.62)	1,215 (48")	1,670 (3,680)	●	●	●	●	●	●	○
2.20 (2.88)	1.93 (2.52)	1,685 (66")	2,030 (4,480)	●	●	●	●	●	⊙	-
2.79 (3.65)	2.47 (3.23)	1,865 (73")	2,300 (5,070)	●	●	⊙	⊙	○	○	-
3.00 (3.92)	2.70 (3.53)	1,985 (78")	2,440 (5,380)	●	●	○	○	○	○	-
◆ 2.20 (2.88)	1.93 (2.52)	1,685 (66")	2,320 (5,110)	●	●	●	●	⊙	⊙	-
◆ 2.43 (3.18)	2.11 (2.76)	1,830 (72")	2,450 (5,400)	●	●	⊙	⊙	⊙	○	-
◆ 2.79 (3.65)	2.47 (3.23)	1,865 (73")	2,630 (5,800)	●	●	⊙	○	○	○	-
◆ 3.20 (4.19)	2.82 (3.69)	2,075 (82")	2,870 (6,330)	⊙	⊙	○	○	○	-	-
◆ 2.20 (2.88)	1.93 (2.52)	1,685 (66")	2,610 (5,750)	●	●	●	⊙	⊙	-	-
◆ 2.43 (3.18)	2.11 (2.76)	1,830 (72")	2,730 (6,020)	●	●	⊙	⊙	○	-	-
◆ 2.79 (3.65)	2.47 (3.23)	1,865 (73")	2,950 (6,500)	●	⊙	○	○	○	-	-
◆ 3.20 (4.19)	2.82 (3.69)	2,075 (82")	3,230 (7,120)	⊙	⊙	○	○	-	-	-

- ◆ Heavy duty bucket
- ◆ Rock-Heavy duty 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.
6.55 m (21' 6"); 7.06 m (23' 2") and 9.0 m (29' 6") Booms and 2.4 m (7' 10"); 2.9 m (9' 6"); 3.38 m (11' 1"); 4.0 m (13' 1") & 6.0 m (19' 8") Arms are available.
Hyundai Bucket are all-welded, high-strength steel implements.

DIGGING FORCE

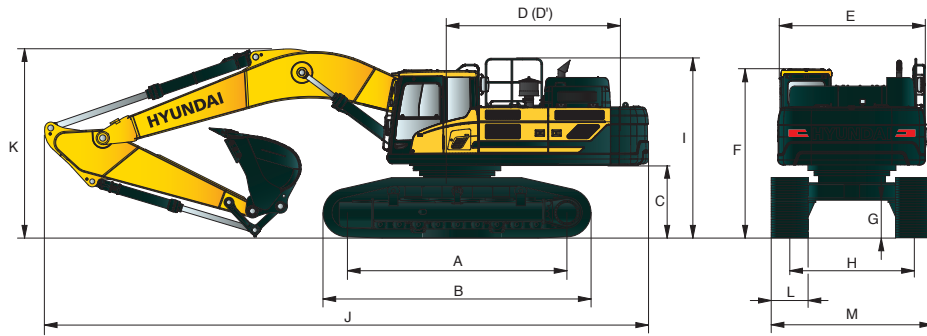
Boom	Length	mm (ft.in)	6,550 (21' 6")		7,060 (23' 2")				9,000 (29' 6")	Remarks:
	Weight	kg (lb)	4,340 (9,570)		4,370 (9,630)				5,130 (11,310)	
Arm	Length	mm (ft.in)	2,400 (7' 10")	2,900 (9' 6")	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	6,000 (19' 8")	
	Weight	kg (lb)	2,390 (5,270)	2,590 (5,710)	2,390 (5,270)	2,590 (5,710)	2,630 (5,800)	2,760 (6,080)	3,290 (7,250)	
Bucket digging force	SAE	kN	220.7 [240.8]	220.7 [240.8]	220.7 [240.8]	220.7 [240.8]	220.7 [240.8]	220.7 [240.8]	184.4	[]: Power Boost
		kgf	22500 [24550]	22500 [24550]	22500 [24550]	22500 [24550]	22500 [24550]	22500 [24550]	18800	
		lbf	49600 [54120]	49600 [54120]	49600 [54120]	49600 [54120]	49600 [54120]	49600 [54120]	41450	
	ISO	kN	255.0 [278.1]	255.0 [278.1]	255.0 [278.1]	255.0 [278.1]	255.0 [278.1]	255.0 [278.1]	213.8	
		kgf	26000 [28360]	26000 [28360]	26000 [28360]	26000 [28360]	26000 [28360]	26000 [28360]	21800	
		lbf	57320 [62520]	57320 [62520]	57320 [62520]	57320 [62520]	57320 [62520]	57320 [62520]	48060	
Arm crowd force	SAE	kN	276.6 [301.7]	224.6 [245.0]	276.6 [301.7]	224.6 [245.0]	191.2 [208.6]	170.6 [186.1]	103.0	
		kgf	28200 [30760]	22900 [24980]	28200 [30760]	22900 [24980]	19500 [21270]	17400 [18980]	10500	
		lbf	62170 [67810]	50490 [55070]	62170 [67810]	50490 [55070]	42990 [46890]	38360 [41840]	23150	
	ISO	kN	290.3 [316.7]	234.4 [255.7]	290.3 [316.7]	234.4 [255.7]	199.1 [217.2]	176.5 [192.6]	105.9	
		kgf	29600 [32290]	23900 [26070]	29600 [32290]	23900 [26070]	20300 [22150]	18000 [19640]	10800	
		lbf	65260 [71190]	52690 [57470]	65260 [71190]	52690 [57470]	44750 [48830]	39680 [43300]	23810	

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

DIMENSIONS & WORKING RANGE

HX480 L DIMENSIONS

6.55 m (21' 6"); 7.06 m (23' 2") & 9.00 m (29' 6") BOOM and 2.4 m (7' 10"); 2.9 m (9' 6"); 3.38 m (11' 1"); 4.0 m (13' 8") & 6.0 m (19' 8") ARM



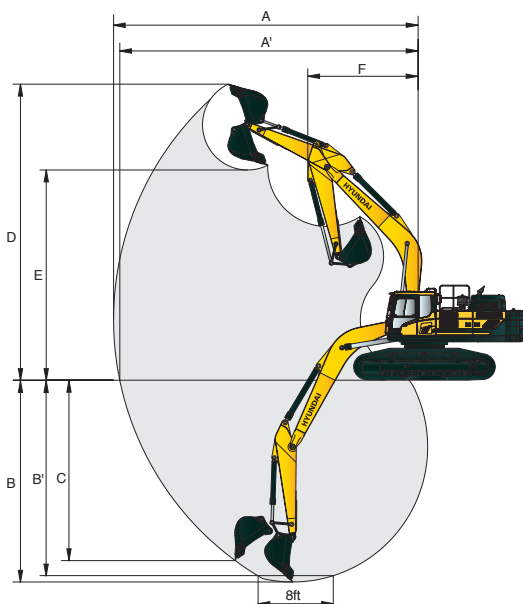
Unit : mm (ft-in)

A	Tumbler distance	4,470 (14' 8")
B	Overall length of crawler	5,460 (17' 11")
C	Ground clearance of counterweight	1,295 (4' 3")
D	Tail swing radius	3,940 (12' 11")
D'	Rear-end length	3,885 (12' 9")
E	Overall width of upperstructure	2,980 (9' 9")
F	Overall height of cab	3,240 (10' 6")
G	Min. ground clearance	560 (1' 8")
H	Track gauge	2,740 (9' 0")
I	Overall height of guardrail	3,450 (11' 3")

Boom length		6,550 (21' 6")		7,060 (23' 2")			9,000 (29' 6")	
Arm length		2,400 (7' 10")	2,900 (9' 6")	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 8")	6,000 (19' 8")
J	Overall length	11,990 (39' 4")	11,870 (38' 11")	12,510 (41' 1")	12,390 (40' 8")	12,260 (40' 3")	12,230 (40' 1")	14,230 (46' 8")
K	Overall height of boom	4,130 (13' 7")	4,050 (13' 3")	4,010 (13' 2")	3,900 (12' 10")	3,790 (12' 5")	4,110 (13' 6")	3,990 (13' 1")
L	Track shoe width	600 (24")	700 (28")	750 (30")	800 (32")	900 (36")		
M	Overall width	3,340 (10' 11")	3,440 (11' 3")	3,490 (11' 5")	3,540 (11' 7")	3,640 (11' 11")		

HX480 L WORKING RANGE

Unit : mm (ft-in)



Boom length		6,550 (21' 6")		7,060 (23' 2")			9,000 (29' 6")	
Arm length		2,400 (7' 10")	2,900 (9' 6")	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	6,000 (19' 8")
A	Max. digging reach	10,690 (35' 1")	11,130 (36' 6")	11,200 (36' 9")	11,620 (38' 1")	12,040 (39' 6")	12,600 (41' 4")	16,180 (53' 1")
A'	Max. digging reach on ground	10,470 (34' 4")	10,910 (35' 10")	10,980 (36' 0")	11,410 (37' 5")	11,840 (38' 10")	12,410 (40' 9")	16,030 (52' 7")
B	Max. digging depth	6,390 (21' 0")	6,890 (22' 7")	6,780 (22' 3")	7,280 (23' 11")	7,760 (25' 6")	8,380 (27' 6")	12,020 (39' 5")
B'	Max. digging depth (8' level)	6,210 (20' 4")	6,730 (22' 1")	6,600 (21' 8")	7,120 (23' 4")	7,620 (25' 0")	8,250 (27' 1")	11,920 (39' 1")
C	Max. vertical wall digging depth	4,510 (14' 10")	5,550 (18' 3")	4,790 (15' 9")	5,800 (19' 0")	5,920 (19' 5")	6,470 (21' 3")	8,510 (27' 11")
D	Max. digging height	10,240 (33' 7")	10,510 (34' 6")	10,600 (34' 9")	10,830 (35' 6")	10,910 (35' 10")	11,130 (36' 6")	12,440 (40' 10")
E	Max. dumping height	6,890 (22' 7")	7,060 (23' 2")	7,260 (23' 10")	7,390 (24' 3")	7,540 (24' 9")	7,760 (25' 6")	9,260 (30' 5")
F	Min. front swing radius	4,870 (16' 0")	4,540 (14' 11")	5,160 (16' 11")	4,890 (16' 1")	4,850 (15' 11")	4,710 (15' 5")	6,140 (20' 2")

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX480 L

6.55 m (21' 6") boom; 2.4 m (7' 10") arm equipped with 2.20 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.

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
											
6.0 m	kg					*13100	*13100	*12540	9840	10830	6430
(19.6 ft)	lb					*28880	*28880	*27640	21700	23890	14190
4.5 m	kg			*18500	*18500	*15010	13670	*13400	9460	9840	5750
(14.7 ft)	lb			*40800	*40800	*33100	30150	*29530	20850	21690	12680
3.0 m	kg					*17090	12800	*14450	9010	9410	5440
(9.8 ft)	lb					*37680	28230	*31850	19860	20740	11980
1.5 m	kg					*18620	12140	15190	8620	9430	5410
(4.9 ft)	lb					*41060	26750	33480	19010	20790	11940
Ground	kg			*24870	18570	*19220	11770	14910	8380	9930	5700
Line	lb			*54820	40940	*42370	25950	32860	18470	21900	12570
-1.5 m	kg			*23780	18600	*18850	11680	14840	8320	11150	6430
(-4.9 ft)	lb			*52420	41000	*41560	25750	32710	18340	24570	14180
-3.0 m	kg	*27210	*27210	*21680	18870	*17410	11840			*11320	8010
(-9.8 ft)	lb	*59990	*59990	*47800	41590	*38370	26090			*24960	17650
-4.5 m	kg			*18000	*18000					*10800	9470
(-14.7 ft)	lb			*39690	*39690					*23810	20870

6.55 m (21' 6") boom; 2.9 m (9' 6") arm equipped with 2.20 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.

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)		9.0 m (30 ft)	
											
7.5 m	kg							*11560	10150		*8700
(24.5 ft)	lb							*25480	22390		*19180
6.0 m	kg							*12010	9940		*8690
(19.6 ft)	lb							*26480	21910		*19170
4.5 m	kg			*17020	*17020	*14310	13870	*12990	9520		*8820
(14.7 ft)	lb			*37530	*37530	*31560	30580	*28630	20990		*19440
3.0 m	kg			*21620	20330	*16560	12950	*14170	9040	11500	6600
(9.8 ft)	lb			*47670	44820	*36500	28550	*31230	19920	25350	14550
1.5 m	kg			*24550	18980	*18370	12190	15180	8600	11240	6370
(4.9 ft)	lb			*54130	41850	*40490	26860	33470	18960	24780	14040
Ground	kg			*25300	18440	*19310	11710	14830	8290		9220
Line	lb			*55770	40660	*42560	25830	32700	18280		20330
-1.5 m	kg	*23710	*23710	*24660	18350	*19280	11530	14680	8160		10230
(-4.9 ft)	lb	*52280	*52280	*54370	40450	*42510	25420	32370	17990		22550
-3.0 m	kg	*29990	*29990	*22950	18540	*18250	11600	*14760	8250		*11610
(-9.8 ft)	lb	*66110	*66110	*50590	40860	*40230	25570	*32540	18180		*25590
-4.5 m	kg	*25460	*25460	*19850	19020	*15750	11960				*10980
(-14.7 ft)	lb	*56130	*56130	*43770	41930	*34730	26380				*24210

- Lifting capacity is based on ISO 10567.
- Load point is the end pin point of front attachment.
- Lifting capacity does not exceed 75% of tipping load or 87% of hydraulic capacity.
- (*) indicates the load limited by hydraulic capacity.

LIFTING CAPACITY



Rating over-front



Rating over-side or 360 degrees

HX480 L

7.06 m (23' 2") boom; 3.38 m (11' 1") arm equipped with 2.20 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.

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)		9.0 m (30 ft)		Capacity		Reach
														m (ft)
6.0 m (19.6 ft)	kg lb							*11510 *25370	9900 21820	*11340 *25010	7020 15480	*7750 *17090	4930 10870	11.05 36.08
4.5 m (14.7 ft)	kg lb					*14080 *31040	13730 30270	*12700 *28000	9410 20740	11690 25770	6770 14910	*7880 *17370	4450 9820	11.43 37.34
3.0 m (9.8 ft)	kg lb			*21750 *47940	19990 44070	*16510 *36390	12740 28080	*14050 *30970	8870 19550	11350 25020	6460 14250	7570 16680	4210 9280	11.58 37.83
1.5 m (4.9 ft)	kg lb			*24850 *54780	18580 40950	*18470 *40730	11920 26270	14950 32950	8390 18490	11030 24320	6180 13620	7540 16630	4160 9180	11.5 37.57
Ground Line	kg lb			*25740 *56750	18010 39710	*19570 *43150	11410 25150	14550 32070	8040 17720	10790 23800	5960 13140	7830 17270	4320 9530	11.19 36.55
-1.5 m (-4.9 ft)	kg lb	*19090 *42080	*19090 *42080	*25340 *55870	17890 39430	*19780 *43600	11180 24640	14330 31600	7850 17310	10680 23540	5860 12910	8530 18800	4740 10450	10.62 34.69
-3.0 m (-9.8 ft)	kg lb	*25270 *55720	*25270 *55720	*24050 *53020	18010 39710	*19150 *42220	11180 24650	14320 31570	7840 17280			9890 21810	5580 12290	9.74 31.82
-4.5 m (-14.7 ft)	kg lb	*28240 *62250	*28240 *62250	*21780 *48020	18370 40490	*17570 *38740	11390 25120	*14330 *31590	8040 17720			*11250 *24800	7290 16080	8.43 27.54
-6.0 m (-19.6 ft)	kg lb			*18000 *39690	*18000 *39690							*10910 *24060	8780 19360	7.61 24.85

7.06 m (23' 2") boom; 2.4 m (7' 10") arm equipped with 2.20 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.

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)		9.0 m (30 ft)		Capacity		Reach
														m (ft)
7.5 m (24.5 ft)	kg lb							*11920 *26280	9980 22010			*10790 *23790	6730 14850	9.53 31.14
6.0 m (19.6 ft)	kg lb					*13370 *29480	*13370 *29480	*12470 *27490	9690 21370			9730 21450	5700 12560	10.26 33.5
4.5 m (14.7 ft)	kg lb					*15530 *34250	13250 29220	*13530 *29830	9230 20340			8903 19630	5120 11290	10.68 34.88
3.0 m (9.8 ft)	kg lb					*17700 *39020	12330 27200	*14680 *32370	8740 19260	11330 24980	6460 14250	8540 18820	4850 10690	10.84 35.4
1.5 m (4.9 ft)	kg lb					*19140 *42190	11690 25780	14860 32760	8330 18370	11080 24430	6240 13760	8550 18840	4820 10640	10.75 35.12
Ground Line	kg lb					*19600 *43210	11380 25090	14580 32140	8090 17830	10940 24120	6110 13470	8960 19750	5060 11160	10.41 34.02
-1.5 m (-4.9 ft)	kg lb			*23820 *52520	18210 40150	*19210 *42360	11320 24960	14500 31960	8020 17680			9930 21890	5650 12460	9.79 31.98
-3.0 m (-9.8 ft)	kg lb	*26660 *58780	*26660 *58780	*22010 *48530	18460 40690	*17980 *39630	11470 25290	14660 32320	8160 17980			*11270 *24840	6860 15120	8.81 28.78
-4.5 m (-14.7 ft)	kg lb			*19030 *41950	18970 41820	*15480 *34120	11890 26210					*10630 *23430	8730 19240	7.71 25.19

7.06 m (23' 2") boom; 2.9 m (9' 6") arm equipped with 2.20 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.

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)		9.0 m (30 ft)		Capacity		Reach
														m (ft)
7.5 m (24.5 ft)	kg lb							*11300 *24920	10110 22290			*9200 *20290	6210 13690	9.96 32.54
6.0 m (19.6 ft)	kg lb							*12000 *26450	9780 21560			9110 20090	5290 11660	10.65 34.78
4.5 m (14.7 ft)	kg lb			*18460 *40690	*18460 *40690	*14840 *32720	13460 29680	*13150 *28980	9290 20480	11630 25630	6710 14800	8370 18440	4760 10500	11.05 36.09
3.0 m (9.8 ft)	kg lb			*23200 *51150	19320 42600	*17170 *37860	12480 27520	*14420 *31790	8760 19320	11310 24930	6430 14170	8020 17680	4500 9920	11.2 36.6
1.5 m (4.9 ft)	kg lb			*21570 *47550	18200 40110	*18920 *41710	11730 25860	14850 32750	8310 18320	11020 24290	6170 13590	8010 17650	4460 9830	11.12 36.33
Ground Line	kg lb			*24530 *54090	17880 39420	*19730 *43500	11310 24920	14500 31970	8000 17640	10820 23850	5990 13200	8350 18400	4650 10250	10.8 35.27
-1.5 m (-4.9 ft)	kg lb	*19550 *43100	*19550 *43100	*24880 *54840	17880 39430	*19650 *43320	11160 24600	14350 31640	7870 17350			9170 20210	5140 11340	10.2 33.32
-3.0 m (-9.8 ft)	kg lb	*27720 *61120	*27720 *61120	*23290 *51340	18090 39890	*18730 *41300	11240 24770	14410 31780	7930 17470			10790 23790	6140 13530	9.28 30.31
-4.5 m (-14.7 ft)	kg lb	*26110 *57560	*26110 *57560	*20660 *45550	18540 40870	*16750 *36930	11550 25460					*10990 *24220	8290 18270	7.87 25.72

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX480 NL

7.06 m (23' 2") boom; 4.0 m (13' 11") arm equipped with 2.20 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.

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)		10.5 m (35 ft)		Capacity		Reach
																		m (ft)
7.5 m (24.5 ft)	kg lb											*10200 *22500	7350 16210			*7160 *15780	5140 11340	11.03 36.02
6.0 m (19.6 ft)	kg lb											*10730 *23660	7180 15830			*7190 *15840	4460 9820	11.64 38.02
4.5 m (14.7 ft)	kg lb								*11990 *26430	9630 21230	*11430 *25200	6900 15200	8920 19650	5040 11100		7240 15970	4040 8900	12 39.21
3.0 m (9.8 ft)	kg lb					*19780 *43610	*19780 *43610	*15510 *34200	13090 28870	*13450 *29650	9050 19960	11470 25280	6560 14460	8720 19220	4860 10710	6960 15340	3820 8420	12.14 39.67
1.5 m (4.9 ft)	kg lb					*23740 *52340	19050 42000	*17790 *39230	12160 26810	*14820 *32660	8510 18770	11110 24490	6230 13740	8520 18780	4680 10310	6930 15270	3766 8303	12.07 39.43
Ground Line	kg lb			*13800 *30430	*13800 *30430	*25590 *56410	18130 39970	*19290 *42530	11510 25390	14620 32230	8090 17840	10810 23840	5970 13160	8360 18440	4530 9990	7154 15772	3886 8568	11.77 38.46
-1.5 m (-4.9 ft)	kg lb	*14500 *31970	*14500 *31970	*17930 *39520	*17930 *39520	*25840 *56971	17790 39230	*19900 *43860	11170 24620	14320 31580	7830 17270	10630 23430	5810 12800			7706 16990	4217 9298	11.24 36.73
-3.0 m (-9.8 ft)	kg lb	*18590 *40980	*18590 *40980	*22750 *50160	*22750 *50160	*25020 *55170	17790 39230	*19650 *43320	11070 24400	14220 31350	7740 17070	10590 23350	5770 12720			8768 19329	4871 10738	10.43 34.06
-4.5 m (-14.7 ft)	kg lb			*28640 *63150	*28640 *63150	*23220 *51200	18040 39780	*18520 *40830	11190 24660	14330 31580	7830 17270					10836 23890	6139 13534	9.24 30.17
-6.0 m (-19.6 ft)	kg lb			*26350 *58080	*26350 *58080	*20150 *44430	18570 40950	*16170 *35660	11560 25470							*10846 *23910	8506 18753	7.73 25.26

9.00 m (29' 6") boom; 6.0 m (13' 1") arm equipped with 2.20 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 10,200 kg (22,490 lb) counterweight.

Load point height m (ft)		Load radius										At max. reach				
		3.0 m (9.8 ft)		5.0 m (16.3 ft)		7.0 m (22.9 ft)		9.0 m (29.4 ft)		11.0 m (35.9 ft)		13.0 m (42.5 ft)		Capacity		Reach
																m (ft)
8.0 m (26.1 ft)	kg lb											*5500 *12130	3770 8310	*4660 *10280	2920 6440	14.78 48.27
6.0 m (19.6 ft)	kg lb								*8570 *18890	5400 11910	6630 14610	3620 7980	*4700 *10370	2460 5430	15.40 50.32	
4.0 m (13.1 ft)	kg lb							*10020 *22080	7380 16280	8790 19380	4980 10980	6370 14050	3380 7460	4500 9920	2180 4810	15.72 51.37
2.0 m (6.5 ft)	kg lb			*19230 *42390	16740 36900	*13910 *30660	10040 22120	*11610 *25600	6620 14580	8300 18300	4530 9990	6090 13430	3120 6880	4350 9590	2040 4500	15.76 51.47
Ground Line	kg lb	*8600 *18960	*8600 *18960	*16340 *36020	14820 32670	*16100 *35480	8930 19690	11010 24270	5960 13140	7870 17340	4130 9100	5840 12870	2880 6360	4380 9660	2030 4480	15.50 50.64
-2.0 m (-6.5 ft)	kg lb	*10720 *23630	*10720 *23630	*16220 *35750	14070 31010	15820 34870	8280 18260	10510 23160	5510 12140	7550 16640	3840 8460	5660 12470	2710 5980	4630 10210	2170 4780	14.95 48.83
-4.0 m (-13.1 ft)	kg lb	*13060 *28800	*13060 *28800	*18160 *40040	13920 30690	15510 34190	8012 17660	10250 22600	5280 11640	7380 16280	3680 8120			5170 11390	2500 5520	14.06 45.92
-6.0 m (-19.6 ft)	kg lb	*15680 *34570	*15680 *34570	*21300 *46950	14130 31160	15540 34250	8037 17720	10230 22560	5260 11600	7400 16320	3700 8170			6120 13690	3160 6970	12.74 41.61
-8.0 m (-26.1 ft)	kg lb	*18670 *41160	*18670 *41190	*20410 *45000	14660 32330	*15830 *34890	8330 18370	10490 23120	5490 12100					*7810 *17230	4550 10020	10.82 35.33
-10.0 m (-32.7 ft)	kg lb			*16900 *37270	15630 34450	*13170 *29030	9000 19840							*9870 *21760	6980 15400	8.72 28.48

- Lifting capacity is based on ISO 10567.
- Load point is the end pin point of front attachment.
- Lifting capacity does not exceed 75% of tipping load or 87% of hydraulic capacity.
- (*) indicates the load limited by hydraulic capacity.

ENGINE	STD	OPT
Scania DC13 084A 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		●
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	●	
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 (ISO 12117-2)		
ROPS (Roll Over Protective Structure) · ISO 12117-2	●	

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		●
Three outside rearview mirrors	●	
OTHER		
Booms		
6.55 m; 21' 6"		●
7.06 m; 23' 2"	●	
9.00 m; 29' 6"		●
Arms		
2.4 m; 7' 10"		●
2.9 m; 9' 6"		●
3.38 m; 11' 1"	●	
4.0 m; 13' 1"		●
6.0 m; 19' 8"		●
Removable clean-out dust net for cooler	●	
Removable reservoir tank	●	
Fuel pre-filter with fuel warmer	●	
Rain cap	●	
Pre-cleaner		●
Self-diagnostics system	●	
Hi MATE (Remote Management System)	Mobile Satellite	●
Batteries (2 × 12 V × 200 Ah)	●	
Fuel filler pump (50 l/min)	●	
Lower wiper moter	●	
Single-acting piping kit (breaker, etc.)		●
Double-acting piping kit (clamshell, etc.)	●	
Quick coupler piping		●
Quick coupler		●
Boom floating control		●
Accumulator for lowering work equipment	●	
Pattern change valve (2 patterns)		●
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 (750 mm; 30")		●
Triple grouser shoes (800 mm; 32")		●
Triple grouser shoes (900 mm; 36")		●
Double grouser shoes (600 mm; 24")		●
Double grouser shoes (700 mm; 28")		●
Heavy duty grouser shoes (600 mm; 24")		●
Heavy duty grouser shoes (700 mm; 28")		●
Track rail guard	●	
Full track rail guard high walker		●
3-piece type 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 0.8 kg of refrigerant which has a CO₂ equivalent of 1.144 metric tonne.



PLEASE CONTACT

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