MOVING YOU FURTHER

HX480L

With Tier 4 final / Stage IV Engine installed

*Photo may include optional equipment.

Net Power	Gross Power	Travel Speed	Operating Weight
SAE J1349 / 316 kW (424 HP) at 1,900 rpm	SAE J1995 / 331 kW (444 HP) at 1,900 rpm	5.3 km/hr (3.29 mph) / 3.3 km/hr (2.05 mph)	49,500 kg / 109,130 lb

HYUNDAI
CONSTRUCTION EQUIPMENT

RULE THE GROUND

The HX Series excavators are products of HHI's spirit of initiative, creativity and strong drive. HHI's engineers, who are the best in the industry, have worked tirelessly to offer a zero-defect product. The new HX Series reflects customers' needs in the field gleaned by thorough monitoring. They maximize fuel efficiency and performance proven by rigorous field tests and quality control.

*Photo may include optional equipment.

RULE THE GROUND

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

*Photo may include optional equipment.

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.

*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.

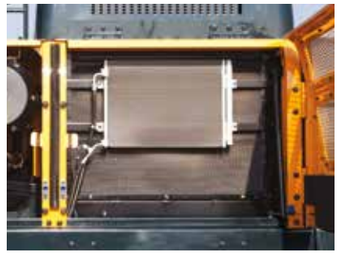
* P (power) mode: Maximizes speed and power of the equipment for heavy load work.
* S (standard) mode: Optimizes performance and fuel efficiency of the equipment for general load work.
* E (economy) mode: Improves the control system for light load work.

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.

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.

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).

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.

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 × stroke			130 × 160 mm (5.12" × 6.3")
Piston displacement			12,700 cc (775 cu in)
Batteries			24 V × 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 × 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/cm² (4,690 psi)
Travel	330 kgf/cm² (4,690 psi)
Power boost (boom, arm, bucket)	360 kgf/cm² (5,120 psi)
Swing circuit	285 kgf/cm² (4,050 psi)
Pilot circuit	40 kgf/cm² (569 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

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

	liter	US gal	UK gal
Re-filling			
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)

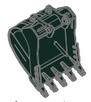
Operating weight, including 7,060 mm (23' 2") boom; 3,380 mm (11' 1") arm; SAE heaped 2.2 m³ (2.88 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.

OPERATING WEIGHT

Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf / cm² (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)	◈ 2.20 (2.88)	◆ 2.20 (2.88)
	1.38 (1.8)	◈ 2.43 (3.18)	◆ 2.43 (3.18)
	2.20 (2.88)	◈ 2.79 (3.65)	◆ 2.79 (3.65)
	2.79 (3.65)	◈ 3.20 (4.19)	◆ 3.20 (4.19)
	3.00 (3.92)		

Capacity m³ (yd³)		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
SAE heaped	CECE heaped			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

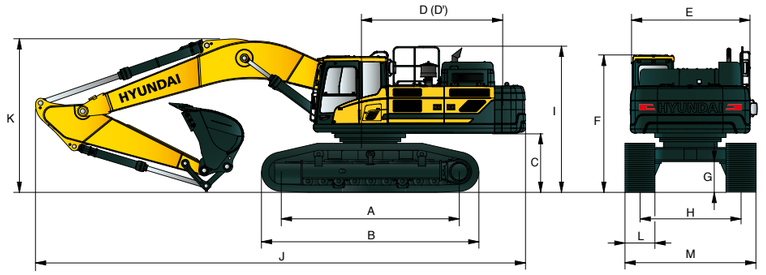
Boom	Length	mm (ft.in)	6,550 (21' 6")		7,060 (23' 2")				9,000 (29' 6")	Remarks:
	Weight	kg (lb)	4,340 (9,570)		4,370 (9,630)				5,130 (11,310)	
Arm	Length	mm (ft.in)	2,400 (7' 10")	2,900 (9' 6")	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	4,000 (13' 1")	6,000 (19' 8")	
	Weight	kg (lb)	2,390 (5,270)	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") & 9.0 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



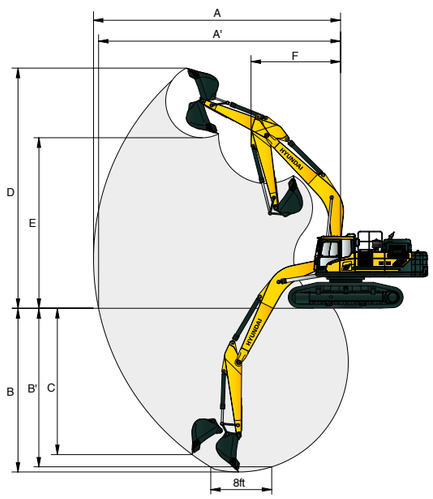
Unit : mm (ft-in)

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 3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		At max. reach Capacity		Reach
												m (ft)
6.0 m	kg					*13100	*13100	*12540	9840	10830	6430	9.71
(19.6 ft)	lb					*28880	*28880	*27640	21700	23890	14190	31.72
4.5 m	kg			*18500	*18500	*15010	13670	*13400	9460	9840	5750	10.16
(14.7 ft)	lb			*40800	*40800	*33100	30150	*29530	20850	21690	12680	33.19
3.0 m	kg					*17090	12800	*14450	9010	9410	5440	10.33
(9.8 ft)	lb					*37680	28230	*31850	19860	20740	11980	33.74
1.5 m	kg					*18620	12140	15190	8620	9430	5410	10.24
(4.9 ft)	lb					*41060	26750	33480	19010	20790	11940	33.44
Ground Line	kg			*24870	18570	*19220	11770	14910	8380	9930	5700	9.88
	lb			*54820	40940	*42370	25950	32860	18470	21900	12570	32.28
-1.5 m	kg			*23780	18600	*18850	11680	14840	8320	11150	6430	9.21
(-4.9 ft)	lb			*52420	41000	*41560	25750	32710	18340	24570	14180	30.1
-3.0 m	kg	*27210	*27210	*21680	18870	*17410	11840			*11320	8010	8.15
(-9.8 ft)	lb	*59990	*59990	*47800	41590	*38370	26090			*24960	17650	26.61
-4.5 m	kg			*18000	*18000					*10800	9470	7.4
(-14.7 ft)	lb			*39690	*39690					*23810	20870	24.19

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 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)		At max. reach Capacity		Reach
														m (ft)
7.5 m	kg							*11560	10150			*8700	7060	9.39
(24.5 ft)	lb							*25480	22390			*19180	15560	30.67
6.0 m	kg							*12010	9940			*8690	5950	10.12
(19.6 ft)	lb							*26480	21910			*19170	13120	33.06
4.5 m	kg			*17020	*17020	*14310	13870	*12990	9520			*8820	5340	10.55
(14.7 ft)	lb			*37530	*37530	*31560	30580	*28630	20990			*19440	11770	34.45
3.0 m	kg			*21620	20330	*16560	12950	*14170	9040	11500	6600	8810	5040	10.71
(9.8 ft)	lb			*47670	44820	*36500	28550	*31230	19920	25350	14550	19420	11110	34.99
1.5 m	kg			*24550	18980	*18370	12190	15180	8600	11240	6370	8800	5000	10.62
(4.9 ft)	lb			*54130	41850	*40490	26860	33470	18960	24780	14040	19410	11020	34.71
Ground Line	kg			*25300	18440	*19310	11710	14830	8290			9220	5230	10.28
	lb			*55770	40660	*42560	25830	32700	18280			20330	11540	33.59
-1.5 m	kg	*23710	*23710	*24660	18350	*19280	11530	14680	8160			10230	5840	9.65
(-4.9 ft)	lb	*52280	*52280	*54370	40450	*42510	25420	32370	17990			22550	12870	31.52
-3.0 m	kg	*29990	*29990	*22950	18540	*18250	11600	*14760	8250			*11610	7100	8.65
(-9.8 ft)	lb	*66110	*66110	*50590	40860	*40230	25570	*32540	18180			*25590	15650	28.26
-4.5 m	kg	*25460	*25460	*19850	19020	*15750	11960					*10980	9450	7.36
(-14.7 ft)	lb	*56130	*56130	*43770	41930	*34730	26380					*24210	20830	24.05

1. Lifting capacity is based on ISO 10567.
2. Load point is the end pin point of front attachment.
3. Lifting capacity does not exceed 75% of tipping load or 87% of hydraulic capacity.
4. (*) 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	kg							*11510	9900	*11340	7020	*7750	4930	11.05
(19.6 ft)	lb							*25370	21820	*25010	15480	*17090	10870	36.08
4.5 m	kg					*14080	13730	*12700	9410	11690	6770	*7880	4450	11.43
(14.7 ft)	lb					*31040	30270	*28000	20740	25770	14910	*17370	9820	37.34
3.0 m	kg			*21750	19990	*16510	12740	*14050	8870	11350	6460	7570	4210	11.58
(9.8 ft)	lb			*47940	44070	*36390	28080	*30970	19550	25020	14250	16680	9280	37.83
1.5 m	kg			*24850	18580	*18470	11920	14950	8390	11030	6180	7540	4160	11.5
(4.9 ft)	lb			*54780	40950	*40730	26270	32950	18490	24320	13620	16630	9180	37.57
Ground	kg			*25740	18010	*19570	11410	14550	8040	10790	5960	7830	4320	11.19
Line	lb			*56750	39710	*43150	25150	32070	17720	23800	13140	17270	9530	36.55
-1.5 m	kg	*19090	*19090	*25340	17890	*19780	11180	14330	7850	10680	5860	8530	4740	10.62
(-4.9 ft)	lb	*42080	*42080	*55870	39430	*43600	24640	31600	17310	23540	12910	18800	10450	34.69
-3.0 m	kg	*25270	*25270	*24050	18010	*19150	11180	14320	7840			9890	5580	9.74
(-9.8 ft)	lb	*55720	*55720	*53020	39710	*42220	24650	31570	17280			21810	12290	31.82
-4.5 m	kg	*28240	*28240	*21780	18370	*17570	11390	*14330	8040			*11250	7290	8.43
(-14.7 ft)	lb	*62250	*62250	*48020	40490	*38740	25120	*31590	17720			*24800	16080	27.54
-6.0 m	kg			*18000	*18000							*10910	8780	7.61
(-19.6 ft)	lb			*39690	*39690							*24060	19360	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	kg							*11920	9980			*10790	6730	9.53
(24.5 ft)	lb							*26280	22010			*23790	14850	31.14
6.0 m	kg					*13370	*13370	*12470	9690			9730	5700	10.26
(19.6 ft)	lb					*29480	*29480	*27490	21370			21450	12560	33.5
4.5 m	kg					*15530	13250	*13530	9230			8903	5120	10.68
(14.7 ft)	lb					*34250	29220	*29830	20340			19630	11290	34.88
3.0 m	kg					*17700	12330	*14680	8740	11330	6460	8540	4850	10.84
(9.8 ft)	lb					*39020	27200	*32370	19260	24980	14250	18820	10690	35.4
1.5 m	kg					*19140	11690	14860	8330	11080	6240	8550	4820	10.75
(4.9 ft)	lb					*42190	25780	32760	18370	24430	13760	18840	10640	35.12
Ground	kg					*19600	11380	14580	8090	10940	6110	8960	5060	10.41
Line	lb					*43210	25090	32140	17830	24120	13470	19750	11160	34.02
-1.5 m	kg			*23820	18210	*19210	11320	14500	8020			9930	5650	9.79
(-4.9 ft)	lb			*52520	40150	*42360	24960	31960	17680			21890	12460	31.98
-3.0 m	kg	*26660	*26660	*22010	18460	*17980	11470	14660	8160			*11270	6860	8.81
(-9.8 ft)	lb	*58780	*58780	*48530	40690	*39630	25290	32320	17980			*24840	15120	28.78
-4.5 m	kg			*19030	18970	*15480	11890					*10630	8730	7.71
(-14.7 ft)	lb			*41950	41820	*34120	26210					*23430	19240	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	kg							*11300	10110			*9200	6210	9.96
(24.5 ft)	lb							*24920	22290			*20290	13690	32.54
6.0 m	kg							*12000	9780			9110	5290	10.65
(19.6 ft)	lb							*26450	21560			20090	11660	34.78
4.5 m	kg			*18460	*18460	*14840	13460	*13150	9290	11630	6710	8370	4760	11.05
(14.7 ft)	lb			*40690	*40690	*32720	29680	*28980	20480	25630	14800	18440	10500	36.09
3.0 m	kg			*23200	19320	*17170	12480	*14420	8760	11310	6430	8020	4500	11.2
(9.8 ft)	lb			*51150	42600	*37860	27520	*31790	19320	24930	14170	17680	9920	36.6
1.5 m	kg			*21570	18200	*18920	11730	14850	8310	11020	6170	8010	4460	11.12
(4.9 ft)	lb			*47550	40110	*41710	25860	32750	18320	24290	13590	17650	9830	36.33
Ground	kg			*24530	17880	*19730	11310	14500	8000	10820	5990	8350	4650	10.8
Line	lb			*54090	39420	*43500	24920	31970	17640	23850	13200	18400	10250	35.27
-1.5 m	kg	*19550	*19550	*24880	17880	*19650	11160	14350	7870			9170	5140	10.2
(-4.9 ft)	lb	*43100	*43100	*54840	39430	*43320	24600	31640	17350			20210	11340	33.32
-3.0 m	kg	*27720	*27720	*23290	18090	*18730	11240	14410	7930			10790	6140	9.28
(-9.8 ft)	lb	*61120	*61120	*51340	39890	*41300	24770	31780	17470			23790	13530	30.31
-4.5 m	kg	*26110	*26110	*20660	18540	*16750	11550					*10990	8290	7.87
(-14.7 ft)	lb	*57560	*57560	*45550	40870	*36930	25460					*24220	18270	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	kg											*10200	7350			*7160	5140	11.03
(24.5 ft)	lb											*22500	16210			*15780	11340	36.02
6.0 m	kg											*10730	7180			*7190	4460	11.64
(19.6 ft)	lb											*23660	15830			*15840	9820	38.02
4.5 m	kg									*11990	9630	*11430	6900	8920	5040	7240	4040	12
(14.7 ft)	lb									*26430	21230	*25200	15200	19650	11100	15970	8900	39.21
3.0 m	kg					*19780	*19780	*15510	13090	*13450	9050	11470	6560	8720	4860	6960	3820	12.14
(9.8 ft)	lb					*43610	*43610	*34200	28870	*29650	19960	25280	14460	19220	10710	15340	8420	39.67
1.5 m	kg					*23740	19050	*17790	12160	*14820	8510	11110	6230	8520	4680	6930	3766	12.07
(4.9 ft)	lb					*52340	42000	*39230	26810	*32660	18770	24490	13740	18780	10310	15270	8303	39.43
Ground	kg			*13800	*13800	*25590	18130	*19290	11510	14620	8090	10810	5970	8360	4530	7154	3886	11.77
Line	lb			*30430	*30430	*56410	39970	*42530	25390	32230	17840	23840	13160	18440	9990	15772	8568	38.46
-1.5 m	kg	*14500	*14500	*17930	*17930	*25840	17790	*19900	11170	14320	7830	10630	5810			7706	4217	11.24
(-4.9 ft)	lb	*31970	*31970	*39520	*39520	*56971	39230	*43860	24620	31580	17270	23430	12800			16990	9298	36.73
-3.0 m	kg	*18590	*18590	*22750	*22750	*25020	17790	*19650	11070	14220	7740	10590	5770			8768	4871	10.43
(-9.8 ft)	lb	*40980	*40980	*50160	*50160	*55170	39230	*43320	24400	31350	17070	23350	12720			19329	10738	34.06
-4.5 m	kg			*28640	*28640	*23220	18040	*18520	11190	14330	7830					10836	6139	9.24
(-14.7 ft)	lb			*63150	*63150	*51200	39780	*40830	24660	31580	17270					23890	13534	30.17
-6.0 m	kg			*26350	*26350	*20150	18570	*16170	11560							*10846	8506	7.73
(-19.6 ft)	lb			*58080	*58080	*44430	40950	*35660	25470							*23910	18753	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	kg											*5500	3770	*4660	2920	14.78
(26.1 ft)	lb											*12130	8310	*10280	6440	48.27
6.0 m	kg									*8570	5400	6630	3620	*4700	2460	15.40
(19.6 ft)	lb									*18890	11910	14610	7980	*10370	5430	50.32
4.0 m	kg							*10020	7380	8790	4980	6370	3380	4500	2180	15.72
(13.1 ft)	lb							*22080	16280	19380	10980	14050	7460	9920	4810	51.37
2.0 m	kg			*19230	16740	*13910	10040	*11610	6620	8300	4530	6090	3120	4350	2040	15.76
(6.5 ft)	lb			*42390	36900	*30660	22120	*25600	14580	18300	9990	13430	6880	9590	4500	51.47
Ground	kg	*8600	*8600	*16340	14820	*16100	8930	11010	5960	7870	4130	5840	2880	4380	2030	15.50
Line	lb	*18960	*18960	*36020	32670	*35480	19690	24270	13140	17340	9100	12870	6360	9660	4480	50.64
-2.0 m	kg	*10720	*10720	*16220	14070	15820	8280	10510	5510	7550	3840	5660	2710	4630	2170	14.95
(-6.5 ft)	lb	*23630	*23630	*35750	31010	34870	18260	23160	12140	16640	8460	12470	5980	10210	4780	48.83
-4.0 m	kg	*13060	*13060	*18160	13920	15510	8012	10250	5280	7380	3680			5170	2500	14.06
(-13.1 ft)	lb	*28800	*28800	*40040	30690	34190	17660	22600	11640	16280	8120			11390	5520	45.92
-6.0 m	kg	*15680	*15680	*21300	14130	15540	8037	10230	5260	7400	3700			6120	3160	12.74
(-19.6 ft)	lb	*34570	*34570	*46950	31160	34250	17720	22560	11600	16320	8170			13690	6970	41.61
-8.0 m	kg	*18670	*18670	*20410	14660	*15830	8330	10490	5490					*7810	4550	10.82
(-26.1 ft)	lb	*41160	*41190	*45000	32330	*34890	18370	23120	12100					*17230	10020	35.33
-10.0 m	kg			*16900	15630	*13170	9000							*9870	6980	8.72
(-32.7 ft)	lb			*37270	34450	*29030	19840							*21760	15400	28.48

1. Lifting capacity is based on ISO 10567.
2. Load point is the end pin point of front attachment.
3. Lifting capacity does not exceed 75% of tipping load or 87% of hydraulic capacity.
4. (*) 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 CO_2 equivalent of 1.144 metric tonne.

HYUNDAI CONSTRUCTION EQUIPMENT

PLEASE CONTACT

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