

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		●
Hyundai Bio Hydraulic Oil (HBHO)		●
CAB & INTERIOR		
ISO Standard cabin		
Rise-up type windshield wiper	●	
Radio / USB player	●	
Handsfree mobile phone system with USB	●	
12 volt power outlet (24V DC to 12V DC converter)	●	
Electric horn	●	
All-weather steel cab with 360° visibility	●	
Safety glass windows	●	
Sliding fold-in front window	●	
Sliding side window(LH)	●	
Lockable door	●	
Hot & cool box	●	
Storage compartment & Ashtray	●	
Transparent cabin roof-cover	●	
Sun visor	●	
Door and cab locks, one key	●	
Mechanical suspension seat with heater	●	
Pilot-operated slidable joystick	●	
Console box height adjust system	●	
Automatic climate control		
Air conditioner & heater	●	
Defroster	●	
Starting Aid (air grid heater) for cold weather	●	
Centralized monitoring		
8" LCD display	●	
Engine speed or Trip meter/Accel.	●	
Engine coolant temperature gauge	●	
Max power	●	
Low speed/High speed	●	
Auto idle	●	
Overload	●	
Check Engine	●	
Air cleaner clogging	●	
Indicators	●	
ECO Gauges	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
Fuel warmer	●	
Warnings	●	
Communication error	●	
Low battery	●	
Clock	●	
Cabin lights		●
Cabin front window rain guard		●
Cabin roof-steel cover		●
Seat		
Adjustable air suspension seat with heater		●
Cabin FOPS (ISO 10262) Level 2		
FOPS (Falling Object Protective Structure) · ISO 10262 Level 2		●

SAFETY	STD	OPT
Battery master switch	●	
Rearview camera		●
AAVM (Advanced Around View Monitoring)		●
Six front working lights (4 boom mounted, 2 front frame mounted)	●	
Travel alarm	●	
Rear work lamp	●	
Beacon lamp		●
Automatic swing brake	●	
Boom holding system	●	
Arm holding system	●	
Safety lock valve for boom cylinder with overload warning device		●
Safety lock valve for arm cylinder		●
Swing Lock System		●
Three outside rearview mirror	●	
OTHER		
Booms		
6.55m, 21' 6"		●
7.06m, 23' 2"	●	
9.00m, 29' 6"		●
Arms		
2.4m, 7' 10"		●
2.9m, 9' 6"		●
3.38m, 11' 1"	●	
4.0m, 13' 1"		●
6.0m, 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)		●
Batteries (2 x 12V x 200 AH)	●	
Fuel filler pump (50 L/min)		●
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 grousers shoes (600mm, 24")	●	
Triple grousers shoe (700mm, 28")		●
Triple grousers shoe (750mm, 30")		●
Triple grousers shoe (800mm, 32")		●
Double grousers shoe (600mm, 24")		●
Double grousers shoe (700mm, 28")		●
Heavy duty grousers shoe (600mm, 24")		●
Heavy duty grousers shoe (700mm, 28")		●
Track rail guard	●	
Full track rail guard		●

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards.
 * 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.

MOVING YOU FURTHER

HX520 L

With Tier4 final / Stage IV Engine installed



*Photo may include optional equipment.

HYUNDAI CONSTRUCTION EQUIPMENT

PLEASE CONTACT

www.hyundai-ce.com 2019. 12 Rev.8

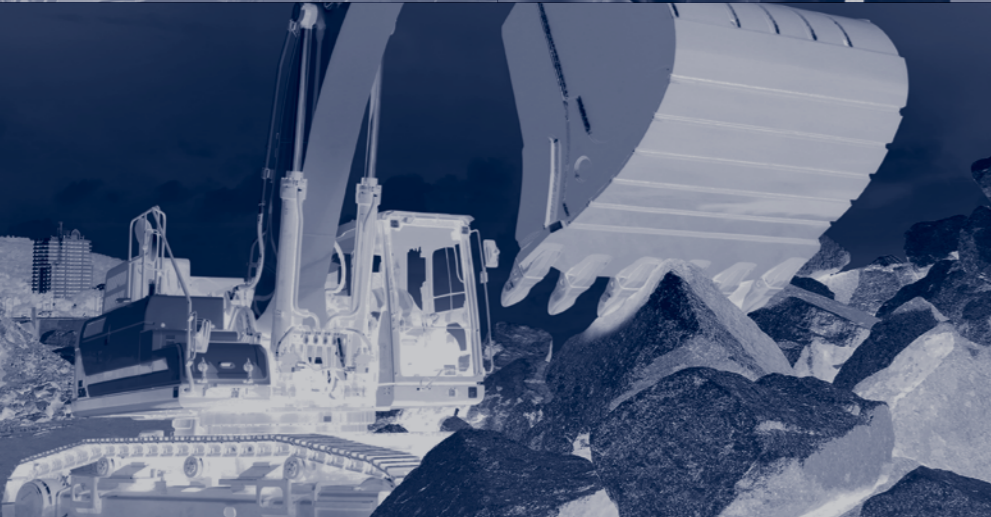
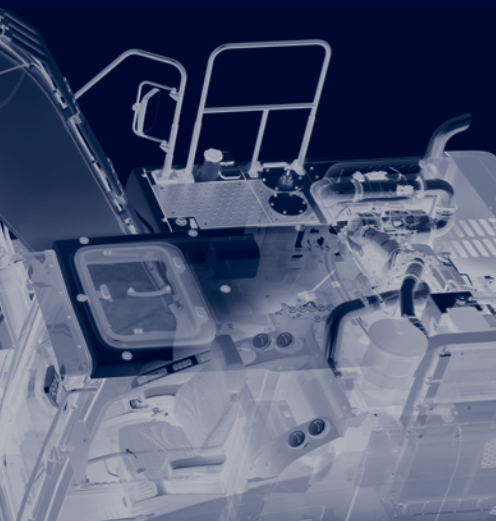
Net Power SAE J1349 / 424 HP (316 kW) at 1,900 rpm	Gross Power SAE J1995 / 444 HP (331 kW) at 1,900 rpm	Travel Speed 5.3 km/hr (3.29 mph) / 3.3 km/hr (2.05 mph)	Operating Weight 52,400 kg / 115,520 lb
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RULE THE GROUND

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

HX520L

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



WORK MAX, WORTH MAX

- ECO Gauge
- IPC (Intelligent Power Control)
- New Variable Power Control
- Enlarged Air Inlet with Grill Cover
- Attachment Flow Control (Option)
- New Cooling System with Increased Air Flow
- Boom Floating Control (Option)
- Cycle Time Improvement



MORE RELIABLE, MORE SUSTAINABLE

- Durable Cooling Module
- Reinforced Pin, Bush, and Polymer Shim
- Reinforced Durability of Upper and Lower Structure and Attachments
- Wear Resistant Cover Plate
- Hi-grade (High-pressure) Hoses



INFOTAINMENT FRONTIER

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



MODERN COMFORT, SIMPLE AND SAFE SOLUTION

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



*Photo may include optional equipment.

MAXIMUM PERFORMANCE

Optimal Performance with Fuel Efficiency

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



ECO Gauge

Using this function, the operator can monitor fuel consumption in real-time or review historical data. The colored gauge represents engine torque and fuel efficiency.

Also displayed are the average and total fuel consumed. The hourly and daily fuel consumption is also viewable through the menu.



IPC (Intelligent Power Control)

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

New Variable Power Control

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

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

Electronic Viscous Fan Clutch

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

Reinforced, Vented Cooler Door Grill

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

One Pedal Straight Travel (Option)

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

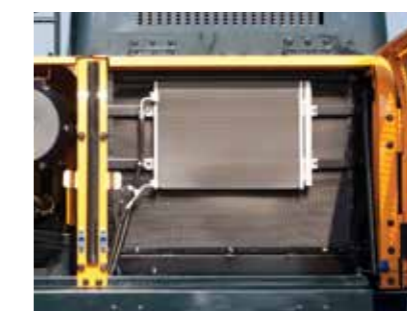


Attachment Flow Control (Option)

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

New Cooling System with Increased Air Flow

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



Cycle Time Improvement

The HX Series has higher productivity with faster cycle speeds: it loads trucks up to 3% faster and levels up to 6% faster than the 9 Series.

*Photo may include optional equipment.

RUGGED, RELIABLE AND DURABLE

Robust and Safe Structural Design

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



Durable Cooling Module

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



Chrome Coated Pins



Reinforced Durability of Upper and Lower Structure and Attachments

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

Reinforced Pins, Bushing, and Polymer Shims

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

Wear Resistant Cover Plate

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



*Photo may include optional equipment.

Hi-grade (High-pressure) Hoses

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



New Air Conditioning System

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

CAB COMFORT ENHANCEMENTS

Improved Instrument Panel for Easier Monitoring

Many electronic functions are concentrated in the most convenient spot for operators to improve work efficiency. The highly-advanced infotainment system, a product of HHI's intensive information technology development, enables both productivity and comfort while working! The HX Series is designed with the operator in mind.



Intelligent and Wide Cluster

The 8-inch interactive touchscreen display of the HX Series is 15% larger than that of the previous model. The centralized switches on the display allow the operator to check the urea level and the temperature outside the cab. The audio AUX, air conditioner, heater integration, wiper, lamp, overload warning, travel, alarm and inclinator also contribute to operator productivity.



Haptic Control

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

Wi-Fi Direct with Smart Phone (Miracast)

The Smart Terminal - Miracast System uses the Wi-fi from the operator's smart phone to easily and conveniently enable features of the smart phone, such as navigating, surfing the web, watching videos, and listening to music, on the 8" screen. (Currently only available for Android phones.)



New Audio System

The radio player with a USB-based MP3 player, an integrated Bluetooth hands-free feature, and a built-in microphone allow for phone calls while at work and in transit. The radio player is conveniently located on the right side of the operator to allow for improved access.

Proportional Auxiliary Hydraulic System (Option)

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

ADVANCED TECHNOLOGIES & SAFE SOLUTIONS

New Cab Designed for Ergonomics, Comfort & Safety

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



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

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



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

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



Hi-MATE (Remote Management System) (Option)

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

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

Easy Access to DEF/AdBlue® Supply System

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



*Photo may include optional equipment.

Improved Cab Suspension Mount

A newly designed, low-vibration cab mount with viscous material and a coil spring reduces noise inside the cab and improves durability, providing a comfortable operating space and lessening the operator's fatigue.

SPECIFICATIONS

ENGINE		
Maker / Model	Scania DC13 084A	
Type	4-cycle turbocharged, charge air cooled diesel engine	
Rated flywheel horse power	SAE J1995 (gross)	444 HP (331 kW) at 1,900 rpm
	J1349 (net)	424 HP (316 kW) at 1,900 rpm
horse power	DIN 6271/1 (gross)	450 PS (331 kW) at 1,900 rpm
	6271/1 (net)	430 PS (316 kW) at 1,900 rpm
Max. torque	232 kgf · m (1,678 lbf · ft) at 1300 rpm	
Bore X 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 × 380.0 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: Ø170 × 1,570 ST Arm: Ø190 × 1,820 ST Bucket: Ø170 × 1,370 ST

* Hyundai Bio Hydraulic Oil (HBHO) available

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, 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	7	1.8	1.54
Final drive (each)	12	3.2	2.64
Hydraulic system (including tank)	486	128.4	106.9
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	3 EA
No. of track roller on each side	9 EA
No. of rail guard on each side	2 EA

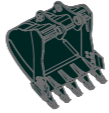
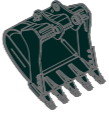



OPERATING WEIGHT (APPROXIMATE)	
Operating weight, including 7,060mm (23' 2") boom, 3,380mm (11' 1") arm, SAE heaped 2.2m ³ (2.88 yd ³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.	

OPERATING WEIGHT				
Shoes	Operating weight		Ground pressure	
Type	Width mm (in)	kg (lb)	kgf/cm ² (psi)	
Triple grouser	600 (24")	HX520 L	52,400 (115,520)	0.91 (12.94)
	700 (28")	HX520 L	52,920 (116,670)	0.79 (11.23)
	800 (32")	HX520 L	53,180 (117,240)	0.74 (10.52)
Double grouser	600 (24")	HX520 L	52,215 (115,110)	0.91 (12.94)
	700 (28")	HX520 L	52,735 (116,260)	0.78 (11.09)
Heavy duty grouser	600 (24")	HX520 HD	52,580 (115,920)	0.91 (12.94)
	700 (28")	HX520 HD	53,130 (117,130)	0.79 (11.2)

AIR CONDITIONING SYSTEM	
The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)	
The system hold 0.8kg refrigerant consisting of a CO ₂ equivalent 1.14kg metric tonne. For more information, Please refer to the manual.	

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

					
SAE heaped m ³ (yd ³)	1.00 (1.31)	◆2.20 (2.88)	◆2.20 (2.88)	◆1.81 (2.37)	◆2.70 (3.53)
	1.38 (1.8)	◆2.43 (3.18)	◆2.43 (3.18)		◆3.00 (3.92)
	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 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)	○	○	○	○	○	○	-
◆1.81 (2.37)	1.50 (1.96)	1,540 (61)	2,650 (5,840)	●	●	●	●	●	-	-
◆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)	○	○	○	○	○	-	-
◆2.70 (3.53)	2.39 (3.13)	1,800 (71)	2,770 (6,110)	●	●	●	○	○	-	-
◆3.00 (3.92)	2.76 (3.61)	1,995 (79)	3,040 (6,700)	○	○	○	○	○	-	-

◆ 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, 7.06 m, 9.0 m, and 2.4 m, 2.9 m, 3.38 m, 4.0 m, 6.0 m Arms are available.

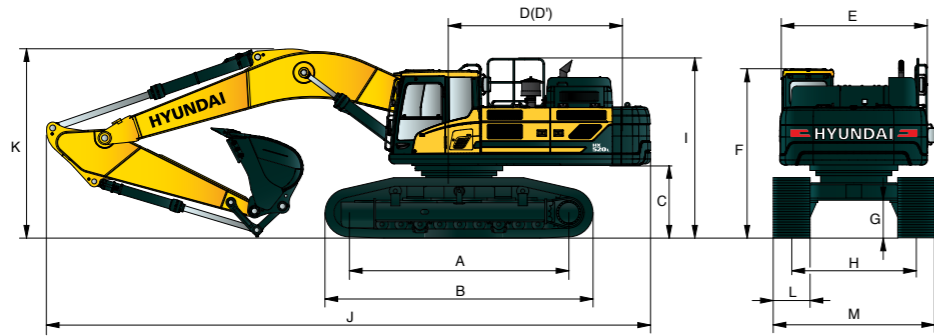
DIGGING FORCE										
Boom	Length	mm (ft.in)	6,550 (21' 6")		7,060 (23' 2")				9,000 (29' 6")	Remark
			Weight	kg (lb)	2,400 (7' 10")	2,900 (9' 6")	2,400 (7' 10")	2,900 (9' 6")	3,380 (11' 1")	
Arm	Length	mm (ft.in)	2,430 (5,360)	2,630 (5,800)	2,430 (5,360)	2,630 (5,800)	2,670 (5,890)	2,760 (6,080)	3,290 (7,250)	
			Weight	kg (lb)	2,430 (5,360)	2,630 (5,800)	2,670 (5,890)	2,760 (6,080)	3,290 (7,250)	
Bucket digging force	SAE	kN	241.2 [263.2]	241.2 [263.2]	241.2 [263.2]	241.2 [263.2]	241.2 [263.2]	241.2 [263.2]	184.4	
		kgf	24600 [26840]	24600 [26840]	24600 [26840]	24600 [26840]	24600 [26840]	24600 [26840]	18800	
		lbf	54230 [59170]	54230 [59170]	54230 [59170]	54230 [59170]	54230 [59170]	54230 [59170]	41450	
	ISO	kN	280.5 [306.0]	280.5 [306.0]	280.5 [306.0]	280.5 [306.0]	280.5 [306.0]	280.5 [306.0]	213.8	
		kgf	28600 [31200]	28600 [31200]	28600 [31200]	28600 [31200]	28600 [31200]	28600 [31200]	21800	
		lbf	63050 [68780]	63050 [68780]	63050 [68780]	63050 [68780]	63050 [68780]	63050 [68780]	48060	
Arm crowd force	SAE	kN	278.5 [303.8]	225.6 [246.1]	278.5 [303.8]	225.6 [246.1]	192.2 [209.7]	171.6 [187.2]	103.0	[] : Power Boost
		kgf	28400 [30980]	23000 [25090]	28400 [30980]	23000 [25090]	19600 [21380]	17500 [19090]	10500	
		lbf	62610 [68300]	50710 [55310]	62610 [68300]	50710 [55310]	43210 [47130]	38580 [42090]	23150	
	ISO	kN	291.3 [317.7]	235.4 [256.7]	291.3 [317.7]	235.4 [256.7]	200.1 [218.2]	177.5 [193.7]	105.9	
		kgf	29700 [32400]	24000 [26180]	29700 [32400]	24000 [26180]	20400 [22250]	18100 [19750]	10800	
		lbf	65480 [71430]	52910 [57720]	65480 [71430]	52910 [57720]	44970 [49050]	39900 [43540]	23810	

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

DIMENSIONS & WORKING RANGE

HX520 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' 1"), 6.0 m (19' 8") ARM

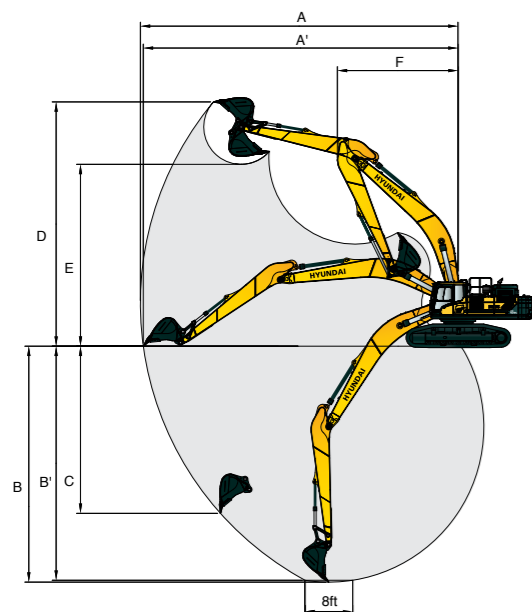


Unit : mm (ft · in)

A	Tumbler distance	4,470 (14' 8")
B	Overall length of crawler	5,405 (17' 7")
C	Ground clearance of counterweight	1,445 (4' 9")
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	3,340 (10' 11")
G	Min. ground clearance	770 (2' 6")
H	Track gauge	Extended 2,940 (9' 8")
		Retracted 2,380 (7' 10")
I	Overall height of guardrail	3,595 (11' 8")

Boom length		6,550 (21' 6")	7,060 (23' 2")	9,000 (29' 6")				
		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")
J	Overall length	12,000 (39' 4")	11,870 (38' 11")	12,510 (41' 1")	12,380 (40' 7")	12,260 (40' 3")	12,250 (40' 2")	14,200 (46' 7")
	K	Overall height of boom	4,190 (13' 9")	4,080 (13' 5")	4,070 (13' 4")	3,920 (12' 10")	3,790 (12' 5")	4,090 (13' 5")
L		Track shoe width	600 (24")	700 (28")	750 (30")	800 (32")		
	M	Overall width	Extended 3,540 (11' 7")	3,640 (11' 11")	3,640 (11' 11")	3,690 (12' 1")	3,740 (12' 3")	
		Retracted 2,980 (9' 10")	3,080 (10' 1")	3,130 (10' 3")	3,180 (10' 5")			

HX520 L WORKING RANGE



Unit : mm (ft · in)

Boom length		6,550 (21' 6")	7,060 (23' 2")	9,000 (29' 6")				
		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	10,430 (34' 3")	10,870 (35' 8")	10,950 (35' 11")	11,380 (37' 4")	11,810 (38' 9")	12,380 (40' 7")
B	Max. digging depth	6,240 (20' 6")	6,740 (22' 1")	6,630 (21' 9")	7,130 (23' 5")	7,610 (25' 0")	8,230 (27' 0")	11,870 (38' 11")
	B'	Max. digging depth (8' level)	6,060 (19' 11")	6,580 (21' 7")	6,460 (21' 2")	6,980 (22' 11")	7,470 (24' 6")	8,110 (26' 7")
C	Max. vertical wall digging depth	4,370 (14' 4")	5,420 (17' 9")	4,650 (15' 3")	5,660 (18' 7")	5,770 (18' 11")	6,320 (20' 9")	8,360 (27' 5")
	D	Max. digging height	10,390 (34' 1")	10,660 (35' 0")	10,750 (35' 3")	10,980 (36' 0")	11,060 (36' 3")	11,280 (37' 0")
E		Max. dumping height	7,040 (23' 1")	7,210 (23' 8")	7,410 (24' 4")	7,540 (24' 9")	7,690 (25' 3")	7,910 (25' 11")
	F	Min. 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")

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX520 L

6.55 m (21' 6") boom, 2.40 m (7' 10") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)	Load radius								At max. reach					
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity	Reach				
6.0 m (20 ft)											m (ft)			
kg														
lb														
4.5 m (15 ft)			*19010	*19010	*15250	*15250	*13520	11190	10630	6840	10.22			
kg														
lb			*41910	*41910	*33630	*33630	*29820	24660	23430	15070	33.39			
3.0 m (10 ft)					*17320	15170	*14580	10730	10240	6540	10.36			
kg														
lb					*38170	33450	*32140	23650	22560	14410	33.86			
1.5 m (5 ft)					*18760	14520	*15410	10350	10320	6560	10.25			
kg														
lb					*41370	32000	*333970	22810	22740	14460	33.48			
Ground														
kg			*24850	22470	*19270	14170	*15740	10110	10920	6943	9.86			
lb			*54790	49530	*42470	31240	*34690	22290	24080	15310	32.22			
-1.5 m (-5 ft)					*23670	22520	*18780	14100	*15300	10070	*11680	7850	9.17	
kg	*26490	*26490												
lb	*58390	*58390			*52180	49650	*41440	31090	*33740	22210	*25740	17300	29.95	
-3.0 m (-10 ft)					*26910	*26910	*21450	*21450	*17220	14290		*11150	9790	8.05
kg														
lb					*59330	*59330	*47290	*47290	*37970	31510		*24580	21590	26.31
-4.5 m (-15 ft)							*17540	*17540				*10720	*10720	7.49
kg														
lb							*38660	*38660				*23640	*23640	24.46

6.55 m (21' 6") boom, 2.90 m (9' 6") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)	Load radius								At max. reach					
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity	Reach		
7.5 m (25 ft)													m (ft)	
kg														
lb														
6.0 m (20 ft)														
kg														
lb														
4.5 m (15 ft)			*17530	*17530	*14570	*14570	*13130	11250				*8710	8100	9.54
kg														
lb			*38640	*38640	*32110	*32110	*28940	24800				*19200	17850	31.17
3.0 m (10 ft)			*22060	*22060	*16800	15320	*14310	10750	12550	7950		*9040	6060	10.77
kg														
lb			*48640	*48640	*37040	33770	*31550	23710	27660	17530		*19930	13370	35.18
1.5 m (5 ft)			*24760	22820	*18540	14560	*15320	10320	12290	7720		*9420	6070	10.66
kg														
lb			*51590	50310	*40880	32100	*33770	22750	27100	17010		*20770	13380	34.82
Ground														
kg			*25340	22320	*19390	14110	*15870	10020				*9990	6380	10.29
lb			*55860	49210	*42740	31100	*34980	22090				*22230	14070	33.62
-1.5 m (-5 ft)			*24530	*24530	*24590	22260	*19270	13950	*15750	9910		*10880	7120	9.63
kg														
lb			*54080	*54080	*54220	49070	*42480	30750	*34720	21840		*23960	15700	31.47
-3.0 m (-10 ft)			*29690	*29690	*22760	22480	*18120	14040	*14610	10020		*11430	8670	8.59
kg														
lb			*65460	*65460	*50180	49560	*39940	30960	*32200	22100		*25200	19120	28.07
-4.5 m (-15 ft)					*19480	*19490	*15400	14460				*10840	*10840	7.5
kg														
lb					*42950	*42950	*33860	31880				*23900	*23900	24.5

- 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 degree

HX520 L

7.06 m (23' 2") boom, 2.40 m (7' 10") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)	Load radius										At max. reach	
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity	Reach
											kg (lb)	m (ft)
7.5 m (25 ft)	kg										*10860 7810	9.66
	lb										*23940 17210	31.56
6.0 m (20 ft)	kg			*13590 13590	*12590 11430						10460 6730	10.35
	lb			*29970 29970	*27750 25200						23050 14840	33.8
4.5 m (15 ft)	kg			*15800 15620	*13470 10950	*12580 8060					9650 6150	10.74
	lb			*34820 34430	*30150 24130	*27740 17770					21280 13550	35.07
3.0 m (10 ft)	kg			*17920 14690	*14820 10450	12380 7810					9320 5880	10.87
	lb			*38510 32390	*32680 23030	27290 17210					20540 12970	35.52
1.5 m (5 ft)	kg			*19270 14070	*15690 10050	12140 7590					9380 5900	10.76
	lb			*42480 31010	*34590 22150	26760 16730					20670 13000	35.16
Ground Line	kg			*19640 13780	15940 9820						9870 6210	10.4
	lb			*43300 30370	35140 21640						21760 13700	33.97
-1.5 m (-5 ft)	kg		*23730 22120		*19170 13740	*15770 9760					10980 6740	9.75
	lb		*52320 48760		*42270 30290	*34760 21530					24210 15300	31.85
-3.0 m (-10 ft)	kg	*26500 26500	*21830 21830	*17840 13910	*14540 9930						*11140 8420	8.74
	lb	*58420 58420	*48130 48130	*39330 30680	*32060 21900						*24560 18560	28.54
-4.5 m (-15 ft)	kg		*18680 18680	*15140 14380							*10560 10260	7.8
	lb		*41180 41180	*33380 31710							*23280 22620	25.47

7.06 m (23' 2") boom, 2.90 m (9' 6") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)	Load radius										At max. reach	
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity	Reach
											kg (lb)	m (ft)
7.5 m (25 ft)	kg										*9210 7190	10.11
	lb										*20310 15860	33.03
6.0 m (20 ft)	kg										*9220 6250	10.76
	lb										*20340 13770	35.15
4.5 m (15 ft)	kg		*19010 19010	*15110 15110	*13300 11010	*12330 8060					9050 5720	11.13
	lb		*41900 41900	*33310 33310	*29320 24270	*27180 17770					19940 12600	36.37
3.0 m (10 ft)	kg		*23620 23090	*17420 14840	*14570 10470	12350 7770					8730 5470	11.26
	lb		*52060 50900	*38400 32710	*32120 23090	27230 17130					19250 12600	36.8
1.5 m (5 ft)	kg		*21570 21570	*19080 14200	*15610 10020	12070 7510					8770 5460	11.16
	lb		*47560 47560	*42070 31080	*34410 22090	26600 16560					19320 12040	36.45
Ground Line	kg		*25090 21760	*19800 13690	15860 9730	11880 7340					9180 5720	10.81
	lb		*55310 47970	*43660 30190	34960 21440	26180 16170					20230 12610	35.32
-1.5 m (-5 ft)	kg	*20350 20350	*24810 21780	*19640 13570	15730 9610						10110 6330	10.19
	lb	*44860 44560	*54690 48020	*43300 29910	34670 21180						22280 13950	33.3
-3.0 m (-10 ft)	kg	*28610 28610	*23130 22020	*18630 13670	*15310 9690						*11360 7540	9.23
	lb	*63060 63060	*50990 48550	*41080 30140	*33750 21360						*25040 16620	30.17
-4.5 m (-15 ft)	kg		*20370 20370	*16510 14020							*10730 10170	7.79
	lb		*44710 44910	*36390 30910							*23650 22430	25.43

7.06 m (23' 2") boom, 3.38 m (11' 1") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)	Load radius										At max. reach	
	3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		Capacity	Reach
											kg (lb)	m (ft)
6.0 m (20 ft)	kg										*11640 8380	11.18
	lb										*25650 18480	36.53
4.5 m (15 ft)	kg		*17410 17410	*14350 14350	*12860 11130	*12030 8110					*7860 5340	11.54
	lb		*38390 38390	*31640 31640	*28360 24540	*26530 17890					*17330 11780	37.7
3.0 m (10 ft)	kg		*22210 22210	*16770 15090	*14210 10580	12390 7800					*8060 5120	11.67
	lb		*48960 48960	*36960 33280	*31330 23320	27320 17200					*17760 11280	38.11
1.5 m (5 ft)	kg		*25070 22400	*18660 14280	*15370 10100	12080 7520					8240 5100	11.57
	lb		*55270 49380	*41150 31490	*33880 22260	26630 16570					18160 11250	37.78
Ground Line	kg		*25800 21880	*19670 13790	15990 9760	11848 7310					8580 5320	11.23
	lb		*56880 48230	*43370 30400	35040 21510	26120 16110					18930 11730	36.69
-1.5 m (-5 ft)	kg	*19680 19680	*25300 21780	*19800 13580	15700 9580	11750 7210					9370 5830	10.64
	lb	*43390 43390	*55780 48010	*43640 29940	34620 21130	25890 15900					20660 12860	34.77
-3.0 m (-10 ft)	kg	*25950 25950	*23920 21930	*19080 13600	15710 9590						*10510 6840	9.74
	lb	*57200 57200	*52700 48450	*42070 29990	346230 21140						*23180 15080	31.82
-4.5 m (-15 ft)	kg	*27870 27870	*21540 21540	*17390 13850							*10990 8910	8.39
	lb	*61430 61430	*47480 47480	*38330 30530							*24230 19640	27.41

- 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.

Rating over-front Rating over-side or 360 degree

HX520 L

7.06 m (23' 2") boom, 4.00 m (13' 1") arm equipped with 0.92 m³ (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)	Load radius										At max. reach					
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Capacity	Reach
															kg (lb)	m (ft)
7.5 m (25 ft)	kg													*10410 8730	*7170 6000	11.19
	lb													*22950 19250	*15800 13240	36.54
6.0 m (20 ft)	kg													*10810 8540	*7190 5300	11.77
	lb													*23840 18830	*15850 11680	38.45
4.5 m (15 ft)	kg									*12150 11350				*11540 8240	*9510 6140	12.11
	lb									*26790 25030				*25430 18170	*20960 13550	39.55
3.0 m (10 ft)	kg					*20300 20300	*15800 15460			*13620 10760	*12390 7900			9570 5960	*7450 4680	12.23
	lb					*44750 44750	*34820 34070			*30040 23730	*27310 17410			21110 13140	*16430 10310	39.94
1.5 m (5 ft)	kg					*24060 22850	*18020 14520			*14970 10220	12150 7570			9380 5780	7590 4650	12.13
	lb					*53050 50390	*39730 32020			*33000 22530	26780 16690			20670 12730	16720 10260	39.63
Ground Line	kg			*14190 14190	*14190 14190	*25720 21980	*19430 13890			*15930 9805	11860 7310			9230 5640	7860 4820	11.82
	lb			*31290 31290	*31290 31290	*56710 48450	*42840 30620			*35120 21620	26150 16120			20340 12430	17340 10630	38.6
-1.5 m (-5 ft)	kg	*14900 14900	*14900 14900	*18380 18380	*25860 21670	*19950 13560	15680 9560			11690 7160				8490 5240		11.26
	lb	*32850 32850	*32850 32850	*40520 40520	*57000 47780	*43950 29900	34570 21070			25770 15770				18730 11550		36.78
-3.0 m (-10 ft)	kg	*19020 19020	*19020 19020	*23290 23290	*24940 21700	*19620 13480	15600 9480			16670 7140				7460 6020		10.42
	lb	*41940 41940	*41940 41940	*51340 51340	*54990 47830	*43250 29720	34390 20910			25720 15730				20850 13280		34.05
-4.5 m (-15 ft)	kg			*29320 29320	*23030 21980	*18390 13630	*15130 9600							10910 7550		9.2
	lb			*64640 64640	*50750 48470	*40550 30040	*33350 21160							24050 16650		30.05
-6.0 m (-20 ft)	kg				*19800 19800	*15870 14040								10660 981		