| 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.

**HYUNDAI CONSTRUCTION EQUIPMENT**

PLEASE CONTACT

www.hyundai-ce.com

2019. 12 Rev.8

**MOVING YOU FURTHER**

# HX520 L

With Tier4 final / Stage Ⅳ Engine installed


*Photo may include optional equipment.

**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

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

HX520 L

## 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.


*Photo may include optional equipment.

### 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.



# MAXIMUM PERFORMANCE

### Optimal Performance with Fuel Efficiency

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


### ECO Gauge

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


### IPC (Intelligent Power Control)

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

### New Variable Power Control

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

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

### Electronic Viscous Fan Clutch

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


### Attachment Flow Control (Option)

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

### 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.

### 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.

# 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.


## Reinforced Pins, Bushing, and Polymer Shims

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

## Wear Resistant Cover Plate

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

## Reinforced Durability of Upper and Lower Structure and Attachments

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




*Photo may include optional equipment.

## Hi-grade (High-pressure) Hoses

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


### 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.


### 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.


### 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.)

### 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 tele-communication 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 |
| | 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/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 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 2.2m³ (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") | 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 m³ (yd³) | | | | | |
|---|---|---|---|---|---|
| | 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 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) | ⊙ | ⊙ | ⊙ | ○ | ○ | ○ | - |
| ◆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

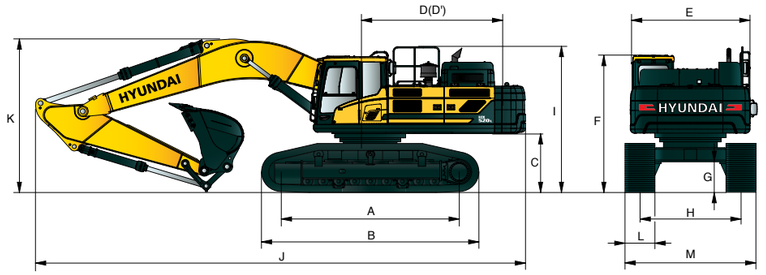
| Boom | Length | mm (ft.in) | 6,550 (21' 6") | | 7,060 (23' 2") | | | | 9,000 (29' 6") | Remark |
|---|---|---|---|---|---|---|---|---|---|---|
| | Weight | kg (lb) | 4,340 (9,570) | | 4,370 (9,630) | | | | 5,130 (11,310) | |
| Arm | Length | mm (ft.in) | 2,400 (7' 10") | 2,900 (9' 6") | 2,400 (7' 10") | 2,900 (9' 6") | 3,380 (11' 1") | 4,000 (13' 1") | 6,000 (19' 8") | |
| | Weight | kg (lb) | 2,430 (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) | |
| 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 | [ ] : Power Boost |
| | | 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 | |
| | | 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



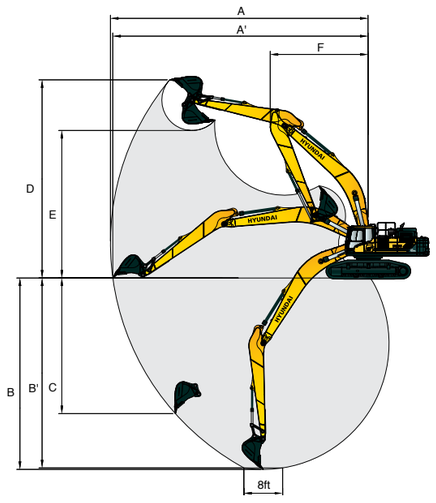

Unit : mm (ft · in)

| | | |
|---|---|---|
| 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") |
| | Track gauge — 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") |
| | 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 | 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") | 3,960 (13' 0") |
| L | Track shoe width | 600 (24") | | 700 (28") | | 750 (30") | | 800 (32") |
| M | Overall width — Extended | 3,540 (11' 7") | | 3,640 (11' 11") | | 3,690 (12' 1") | | 3,740 (12' 3") |
| | Overall width — 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") |
| | 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 | 10,430 (34' 3") | 10,870 (35' 8') | 10,950 (35' 11") | 11,380 (37' 4") | 11,810 (38' 9") | 12,380 (40' 7") | 16,010 (52' 6") |
| 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") | 11,770 (38' 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") | 12,590 (41' 4") |
| 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") | 9,410 (30' 10") |
| 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") | 6,140 (20' 2") |



# 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 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 | | | | | *13290 | *13290 | *12630 | 11600 | *11270 | 7540 | 9.8 |
| (20 ft) | lb | | | | | *29290 | *29290 | *27840 | 25560 | *24840 | 16610 | 32.02 |
| 4.5 m | kg | | | *19010 | *19010 | *15250 | *15250 | *13520 | 11190 | 10630 | 6840 | 10.22 |
| (15 ft) | lb | | | *41910 | *41910 | *33630 | *33630 | *29820 | 24660 | 23430 | 15070 | 33.39 |
| 3.0 m | kg | | | | | *17320 | 15170 | *14580 | 10730 | 10240 | 6540 | 10.36 |
| (10 ft) | lb | | | | | *38170 | 33450 | *32140 | 23650 | 22560 | 14410 | 33.86 |
| 1.5 m | kg | | | | | *18760 | 14520 | *15410 | 10350 | 10320 | 6560 | 10.25 |
| (5 ft) | lb | | | | | *41370 | 32000 | *333970 | 22810 | 22740 | 14460 | 33.48 |
| Ground | kg | | | *24850 | 22470 | *19270 | 14170 | *15740 | 10110 | 10920 | 6943 | 9.86 |
| Line | lb | | | *54790 | 49530 | *42470 | 31240 | *34690 | 22290 | 24080 | 15310 | 32.22 |
| -1.5 m | kg | *26490 | *26490 | *23670 | 22520 | *18780 | 14100 | *15300 | 10070 | *11680 | 7850 | 9.17 |
| (-5 ft) | lb | *58390 | *58390 | *52180 | 49650 | *41440 | 31090 | *33740 | 22210 | *25740 | 17300 | 29.95 |
| -3.0 m | kg | *26910 | *26910 | *21450 | *21450 | *17220 | 14290 | | | *11150 | 9790 | 8.05 |
| (-10 ft) | lb | *59330 | *59330 | *47290 | *47290 | *37970 | 31510 | | | *24580 | 21590 | 26.31 |
| -4.5 m | kg | | | *17540 | *17540 | | | | | *10720 | *10720 | 7.49 |
| (-15 ft) | 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 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 | | | | | | | *11640 | *11640 | | | *8710 | 8100 | 9.54 |
| (25 ft) | lb | | | | | | | *25650 | *25650 | | | *19200 | 17850 | 31.17 |
| 6.0 m | kg | | | | | | | *12110 | 11690 | | | *8690 | 6970 | 10.24 |
| (20 ft) | lb | | | | | | | *26700 | 25770 | | | *19170 | 15360 | 33.44 |
| 4.5 m | kg | | | *17530 | *17530 | *14570 | *14570 | *13130 | 11250 | | | *8810 | 6340 | 10.63 |
| (15 ft) | lb | | | *38640 | *38640 | *32110 | *32110 | *28940 | 24800 | | | *19410 | 13990 | 34.73 |
| 3.0 m | kg | | | *22060 | *22060 | *16800 | 15320 | *14310 | 10750 | 12550 | 7950 | *9040 | 6060 | 10.77 |
| (10 ft) | lb | | | *48640 | *48640 | *37040 | 33770 | *31550 | 23710 | 27660 | 17530 | *19930 | 13370 | 35.18 |
| 1.5 m | kg | | | *24760 | 22820 | *18540 | 14560 | *15320 | 10320 | 12290 | 7720 | *9420 | 6070 | 10.66 |
| (5 ft) | 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 |
| Line | lb | | | *55860 | 49210 | *42740 | 31100 | *34980 | 22090 | | | *22230 | 14070 | 33.62 |
| -1.5 m | kg | *24530 | *24530 | *24590 | 22260 | *19270 | 13950 | *15750 | 9910 | | | *10880 | 7120 | 9.63 |
| (-5 ft) | lb | *54080 | *54080 | *54220 | 49070 | *42480 | 30750 | *34720 | 21840 | | | *23960 | 15700 | 31.47 |
| -3.0 m | kg | *29690 | *29690 | *22760 | 22480 | *18120 | 14040 | *14610 | 10020 | | | *11430 | 8670 | 8.59 |
| (-10 ft) | lb | *65460 | *65460 | *50180 | 49560 | *39940 | 30960 | *32200 | 22100 | | | *25200 | 19120 | 28.07 |
| -4.5 m | kg | | | *19480 | *19490 | *15400 | 14460 | | | | | *10840 | *10840 | 7.5 |
| (-15 ft) | lb | | | *42950 | *42950 | *33860 | 31880 | | | | | *23900 | *23900 | 24.5 |

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 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 |
| | | | | | | | | | | | | | | m (ft) |
| 7.5 m | kg | | | | | | | *11960 | 11760 | | | *10860 | 7810 | 9.66 |
| (25 ft) | lb | | | | | | | *26360 | 25920 | | | *23940 | 17210 | 31.56 |
| 6.0 m | kg | | | | | *13590 | *13590 | *12590 | 11430 | | | 10460 | 6730 | 10.35 |
| (20 ft) | lb | | | | | *29970 | *29970 | *27750 | 25200 | | | 23050 | 14840 | 33.8 |
| 4.5 m | kg | | | | | *15800 | 15620 | *13470 | 10950 | *12580 | 8060 | 9650 | 6150 | 10.74 |
| (15 ft) | lb | | | | | *34820 | 34430 | *30150 | 24130 | *27740 | 17770 | 21280 | 13550 | 35.07 |
| 3.0 m | kg | | | | | *17920 | 14690 | *14820 | 10450 | 12380 | 7810 | 9320 | 5880 | 10.87 |
| (10 ft) | lb | | | | | *38510 | 32390 | *32680 | 23030 | 27290 | 17210 | 20540 | 12970 | 35.52 |
| 1.5 m | kg | | | | | *19270 | 14070 | *15690 | 10050 | 12140 | 7590 | 9380 | 5900 | 10.76 |
| (5 ft) | lb | | | | | *42480 | 31010 | *34590 | 22150 | 26760 | 16730 | 20670 | 13000 | 35.16 |
| Ground | kg | | | | | *19640 | 13780 | 15940 | 9820 | | | 9870 | 6210 | 10.4 |
| Line | lb | | | | | *43300 | 30370 | 35140 | 21640 | | | 21760 | 13700 | 33.97 |
| -1.5 m | kg | | | *23730 | 22120 | *19170 | 13740 | *15770 | 9760 | | | 10980 | 6740 | 9.75 |
| (-5 ft) | lb | | | *52320 | 48760 | *42270 | 30290 | *34760 | 21530 | | | 24210 | 15300 | 31.85 |
| -3.0 m | kg | *26500 | *26500 | *21830 | *21830 | *17840 | 13910 | *14540 | 9930 | | | *11140 | 8420 | 8.74 |
| (-10 ft) | lb | *58420 | *58420 | *48130 | *48130 | *39330 | 30680 | *32060 | 21900 | | | *24560 | 18560 | 28.54 |
| -4.5 m | kg | | | *18680 | *18680 | *15140 | 14380 | | | | | *10560 | 10260 | 7.8 |
| (-15 ft) | 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 |
| | | | | | | | | | | | | | | m (ft) |
| 7.5 m | kg | | | | | | | *11360 | *11360 | | | *9210 | 7190 | 10.11 |
| (25 ft) | lb | | | | | | | *25050 | *25050 | | | *20310 | 15860 | 33.03 |
| 6.0 m | kg | | | | | | | *12120 | 11520 | | | *9220 | 6250 | 10.76 |
| (20 ft) | lb | | | | | | | *26730 | 25400 | | | *20340 | 13770 | 35.15 |
| 4.5 m | kg | | | *19010 | *19010 | *15110 | *15110 | *13300 | 11010 | *12330 | 8060 | 9050 | 5720 | 11.13 |
| (15 ft) | lb | | | *41900 | *41900 | *33310 | *33310 | *29320 | 24270 | *27180 | 17770 | 19940 | 12600 | 36.37 |
| 3.0 m | kg | | | *23620 | 23090 | *17420 | 14840 | *14570 | 10470 | 12350 | 7770 | 8730 | 5470 | 11.26 |
| (10 ft) | lb | | | *52060 | 50900 | *38400 | 32710 | *32120 | 23090 | 27230 | 17130 | 19250 | 12600 | 36.8 |
| 1.5 m | kg | | | *21570 | *21570 | *19080 | 14200 | *15610 | 10020 | 12070 | 7510 | 8770 | 5460 | 11.16 |
| (5 ft) | lb | | | *47560 | *47560 | *42070 | 31080 | *34410 | 22090 | 26600 | 16560 | 19320 | 12040 | 36.45 |
| Ground | kg | | | *25090 | 21760 | *19800 | 13690 | 15860 | 9730 | 11880 | 7340 | 9180 | 5720 | 10.81 |
| Line | lb | | | *55310 | 47970 | *43660 | 30190 | 34960 | 21440 | 26180 | 16170 | 20230 | 12610 | 35.32 |
| -1.5 m | kg | *20350 | *20350 | *24810 | 21780 | *19640 | 13570 | 15730 | 9610 | | | 10110 | 6330 | 10.19 |
| (-5 ft) | lb | *44860 | *44560 | *54690 | 48020 | *43300 | 29910 | 34670 | 21180 | | | 22280 | 13950 | 33.3 |
| -3.0 m | kg | *28610 | *28610 | *23130 | 22020 | *18630 | 13670 | *15310 | 9690 | | | *11360 | 7540 | 9.23 |
| (-10 ft) | lb | *63060 | *63060 | *50990 | 48550 | *41080 | 30140 | *33750 | 21360 | | | *25040 | 16620 | 30.17 |
| -4.5 m | kg | | | *20370 | *20370 | *16510 | 14020 | | | | | *10730 | 10170 | 7.79 |
| (-15 ft) | 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 |
| | | | | | | | | | | | | | | m (ft) |
| 6.0 m | kg | | | | | | | *11640 | *11640 | *11410 | 8380 | *7750 | 5820 | 11.18 |
| (20 ft) | lb | | | | | | | *25650 | *25650 | *25160 | 18480 | *17080 | 12840 | 36.53 |
| 4.5 m | kg | | | *17410 | *17410 | *14350 | *14350 | *12860 | 11130 | *12030 | 8110 | *7860 | 5340 | 11.54 |
| (15 ft) | lb | | | *38390 | *38390 | *31640 | *31640 | *28360 | 24540 | *26530 | 17890 | *17330 | 11780 | 37.7 |
| 3.0 m | kg | | | *22210 | *22210 | *16770 | 15090 | *14210 | 10580 | 12390 | 7800 | *8060 | 5120 | 11.67 |
| (10 ft) | lb | | | *48960 | *48960 | *36960 | 33280 | *31330 | 23320 | 27320 | 17200 | *17760 | 11280 | 38.11 |
| 1.5 m | kg | | | *25070 | 22400 | *18660 | 14280 | *15370 | 10100 | 12080 | 7520 | 8240 | 5100 | 11.57 |
| (5 ft) | lb | | | *55270 | 49380 | *41150 | 31490 | *33880 | 22260 | 26630 | 16570 | 18160 | 11250 | 37.78 |
| Ground | kg | | | *25800 | 21880 | *19670 | 13790 | 15990 | 9760 | 11848 | 7310 | 8580 | 5320 | 11.23 |
| Line | lb | | | *56880 | 48230 | *43370 | 30400 | 35040 | 21510 | 26120 | 16110 | 18930 | 11730 | 36.69 |
| -1.5 m | kg | *19680 | *19680 | *25300 | 21780 | *19800 | 13580 | 15700 | 9580 | 11750 | 7210 | 9370 | 5830 | 10.64 |
| (-5 ft) | lb | *43390 | *43390 | *55780 | 48010 | *43640 | 29940 | 34620 | 21130 | 25890 | 15900 | 20660 | 12860 | 34.77 |
| -3.0 m | kg | *25950 | *25950 | *23920 | 21930 | *19080 | 13600 | 15710 | 9590 | | | *10510 | 6840 | 9.74 |
| (-10 ft) | lb | *57200 | *57200 | *57200 | 48450 | *42070 | 29990 | 346230 | 21140 | | | *23180 | 15080 | 31.82 |
| -4.5 m | kg | *27870 | *27870 | *21540 | *21540 | *17390 | 13850 | | | | | *10990 | 8910 | 8.39 |
| (-15 ft) | lb | *61430 | *61430 | *47480 | *47480 | *38330 | 30530 | | | | | *24230 | 19640 | 27.41 |

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.



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 |
| | | | | | | | | | | | | | | | | | | m (ft) |
| 7.5 m | kg | | | | | | | | | | | *10410 | 8730 | | | *7170 | 6000 | 11.19 |
| (25 ft) | lb | | | | | | | | | | | *22950 | 19250 | | | *15800 | 13240 | 36.54 |
| 6.0 m | kg | | | | | | | | | | | *10810 | 8540 | | | *7190 | 5300 | 11.77 |
| (20 ft) | lb | | | | | | | | | | | *23840 | 18830 | | | *15850 | 11680 | 38.45 |
| 4.5 m | kg | | | | | | | | | *12150 | 11350 | *11540 | 8240 | *9510 | 6140 | *7280 | 4880 | 12.11 |
| (15 ft) | lb | | | | | | | | | *26790 | 25030 | *25430 | 18170 | *20960 | 13550 | *16050 | 10770 | 39.55 |
| 3.0 m | kg | | | | | *20300 | *20300 | *15800 | 15460 | *13620 | 10760 | *12390 | 7900 | 9570 | 5960 | *7450 | 4680 | 12.23 |
| (10 ft) | lb | | | | | *44750 | *44750 | *34820 | 34070 | *30040 | 23730 | *27310 | 17410 | 21110 | 13140 | *16430 | 10310 | 39.94 |
| 1.5 m | kg | | | | | *24060 | 22850 | *18020 | 14520 | *14970 | 10220 | 12150 | 7570 | 9380 | 5780 | 7590 | 4650 | 12.13 |
| (5 ft) | lb | | | | | *53050 | 50390 | *39730 | 32020 | *33000 | 22530 | 26780 | 16690 | 20670 | 12730 | 16720 | 10260 | 39.63 |
| Ground | kg | | | *14190 | *14190 | *25720 | 21980 | *19430 | 13890 | *15930 | 9805 | 11860 | 7310 | 9230 | 5640 | 7860 | 4820 | 11.82 |
| Line | lb | | | *31290 | *31290 | *56710 | 48450 | *42840 | 30620 | *35120 | 21620 | 26150 | 16120 | 20340 | 12430 | 17340 | 10630 | 38.6 |
| -1.5 m | kg | *14900 | *14900 | *18380 | *18380 | *25860 | 21670 | *19950 | 13560 | 15680 | 9560 | 11690 | 7160 | | | 8490 | 5240 | 11.26 |
| (-5 ft) | lb | *32850 | *32850 | *40520 | *40520 | *57000 | 47780 | *43950 | 29900 | 34570 | 21070 | 25770 | 15770 | | | 18730 | 11550 | 36.78 |
| -3.0 m | kg | *19020 | *19020 | *23290 | *23290 | *24940 | 21700 | *19620 | 13480 | 15600 | 9480 | 16670 | 7140 | | | 7460 | 6020 | 10.42 |
| (-10 ft) | lb | *41940 | *41940 | *51340 | *51340 | *54990 | 47830 | *43250 | 29720 | 34390 | 20910 | 25720 | 15730 | | | 20850 | 13280 | 34.05 |
| -4.5 m | kg | | | *29320 | *29320 | *23030 | 21980 | *18390 | 13630 | *15130 | 9600 | | | | | 10910 | 7550 | 9.2 |
| (-15 ft) | lb | | | *64640 | *64640 | *50750 | 48470 | *40550 | 30040 | *33350 | 21160 | | | | | 24050 | 16650 | 30.05 |
| -6.0 m | kg | | | | | *19800 | *19800 | *15870 | 14040 | | | | | | | 10660 | 9810 | 7.93 |
| (-20 ft) | lb | | | | | *43650 | *43550 | *35000 | 30950 | | | | | | | 23500 | 21620 | 25.91 |

9.00 m (29' 6") boom, 6.00 m (19' 8") 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 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 3.0m (9.8ft) | | 5.0m (16.3ft) | | 7.0m (22.9ft) | | 9.0m (29.4ft) | | 11.0m (35.9ft) | | 13.0m (42.5ft) | | Capacity | | Reach |
| | | | | | | | | | | | | | | | | m (ft) |
| 8.0 m | kg | | | | | | | | | | | *6240 | 4340 | *5120 | 3370 | 14.83 |
| (26 ft) | lb | | | | | | | | | | | *13760 | 9560 | *11280 | 7430 | 48.46 |
| 6.0 m | kg | | | | | | | | | *9373 | 6090 | 6910 | 4180 | 5060 | 2900 | 15.44 |
| (20 ft) | lb | | | | | | | | | *20670 | 13410 | 15230 | 9204 | 11160 | 6390 | 50.43 |
| 4.0 m | kg | | | | | | | *11050 | 8260 | 9120 | 5650 | 6650 | 3930 | 4720 | 2620 | 15.74 |
| (13 ft) | lb | | | | | | | *24370 | 18200 | 20100 | 12460 | 14660 | 8670 | 10410 | 5770 | 51.4 |
| 2.0 m | kg | | | *21520 | 18830 | *15430 | 11260 | 12150 | 7480 | 8930 | 5200 | 6370 | 3670 | 4580 | 2490 | 15.75 |
| (7 ft) | lb | | | *47440 | 14510 | *34020 | 24830 | 26790 | 16490 | 19030 | 11470 | 14040 | 8090 | 10100 | 5480 | 51.44 |
| Ground | kg | *9910 | *9910 | *18740 | 16960 | 17170 | 10170 | 11440 | 6830 | 8206 | 4800 | 6120 | 3430 | 4640 | 2500 | 15.47 |
| Line | lb | *21840 | *21840 | *41310 | 37400 | 37850 | 22420 | 25210 | 15060 | 18090 | 10590 | 13490 | 7570 | 10220 | 5510 | 50.54 |
| -2.0 m | kg | *12430 | *12430 | *18870 | 16250 | 16450 | 9540 | 10950 | 6390 | 7990 | 4520 | 5950 | 3270 | 4910 | 2670 | 14.9 |
| (-7 ft) | lb | *27400 | *27400 | *41310 | 35830 | 36270 | 21030 | 24140 | 14090 | 17410 | 9960 | 13110 | 7210 | 10830 | 5880 | 48.66 |
| -4.0 m | kg | *15220 | *15220 | *21280 | 16130 | 16170 | 9290 | 10710 | 6170 | 7740 | 4370 | | | 5500 | 3060 | 13.97 |
| (-13 ft) | lb | *33560 | *33560 | *46910 | 35570 | 35650 | 20480 | 23620 | 13610 | 17070 | 9640 | | | 12120 | 6740 | 45.64 |
| -6.0 m | kg | *18350 | *18350 | *24410 | 16380 | 16220 | 9340 | 10710 | 6180 | 7780 | 4410 | | | 6630 | 3820 | 12.62 |
| (-20 ft) | lb | *40460 | *40460 | *53810 | 36110 | 35760 | 20580 | 23620 | 13610 | 17150 | 9720 | | | 14620 | 8420 | 41.22 |
| -8.0 m | kg | *21930 | *21930 | *21960 | 16950 | 16590 | 9660 | 10990 | 6430 | | | | | 9060 | 5450 | 10.63 |
| (-26 ft) | lb | *48340 | *48340 | *48410 | 37370 | 36570 | 21290 | 24230 | 14170 | | | | | 19970 | 12020 | 34.72 |
| -10.0 m | kg | | | *17820 | *17820 | *13830 | 10380 | | | | | | | *10570 | 7950 | 8.72 |
| (-33 ft) | lb | | | *39280 | *39280 | *30490 | 22880 | | | | | | | *23290 | 17520 | 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.