

MOVING YOU FURTHER

# HX480L

With Tier 4 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**

49,500 kg / 109,130 lb







# RULE THE GROUND

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







\*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
- Operating Simulation for Joy & Achievement
- Wi-Fi Direct with Smart Phone (Miracast)
- Proportional Auxiliary Hydraulic System
- New Audio System
- New Air Conditioning System





# HX480L

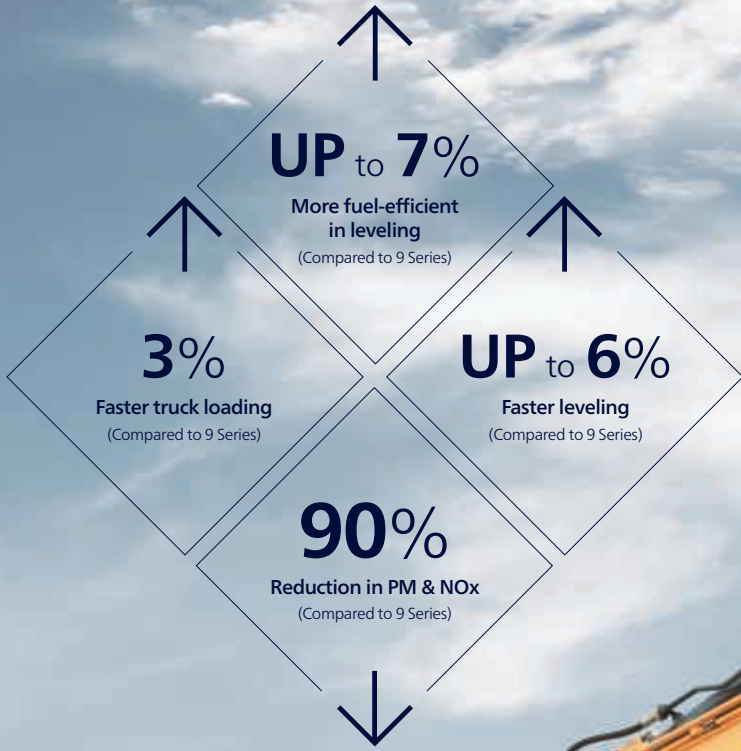


## MODERN COMFORT, SIMPLE AND SAFE SOLUTION

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



\*Photo may include optional equipment.



**Fuel Rate Information\***

|  |                 |  |  |                   |                 |          |         |       |       |
|--|-----------------|--|--|-------------------|-----------------|----------|---------|-------|-------|
| <p>11:18 37°C</p> <p>HYUNDAI</p> <p>Fuel Rate Information</p> <ul style="list-style-type: none"> <li>General Record</li> <li>Hourly Record</li> <li>Daily Record</li> <li>Mode Record</li> </ul> |                 | <p>11:26 37°C</p> <p>HYUNDAI</p> <p>General Record</p> <table border="1"> <tr> <td>Average Fuel Rate</td> <td>A Day Fuel Used</td> </tr> <tr> <td>25.7 ℓ/h</td> <td>233.4 ℓ</td> </tr> <tr> <td>Reset</td> <td>Reset</td> </tr> </table> |  | Average Fuel Rate | A Day Fuel Used | 25.7 ℓ/h | 233.4 ℓ | Reset | Reset |
| Average Fuel Rate  | A Day Fuel Used |  |  |                   |                 |          |         |       |       |
| 25.7 ℓ/h   | 233.4 ℓ         |  |  |                   |                 |          |         |       |       |
| Reset  | Reset           |  |  |                   |                 |          |         |       |       |

\*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.

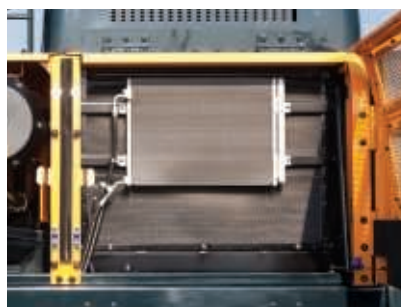
### Enlarged Air Inlet with Grill Cover

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

### Boom Floating Control (Option)

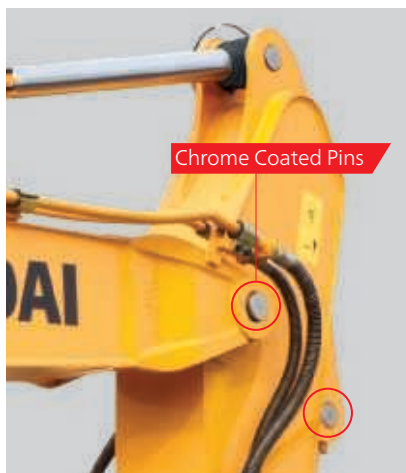
In order to achieve efficient leveling work by arm-in and arm-out operation with the boom fixed, the HX Series applies boom floating control, allowing stable operation even in high-load work.



# MORE RELIABLE, MORE SUSTAINABLE

## New Exterior Design for Robustness and Safety

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



### Reinforced Pin, Bush and Polymer Shim

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

### Wear Resistant Cover Plate

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



### Durable Cooling Module

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



### Reinforced Durability of Upper and Lower Structure and Attachments

The upper and lower structure and attachments of the HX Series have higher durability than demanded on the site, as proven through numerous tests including road tests and virtual simulation. The wear resistance of the bucket has been improved by use of new material. Durability of Arm and Boom has been reinforced by 1.5 times, compared to the previous generation 9-series.



### Almost Doubled Durability of the Attachments for HX480

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





\*Photo may include optional equipment

### **Hi-grade (High-pressure) Hoses**

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





310 mm  
(9 Series)

340 mm  
(HX Series)

Cabin space for  
drivers increased by  
**13%**  
(Compared to 9 Series)

\*Photo may include optional equipment.

### New Air Conditioning System

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



# INFOTAINMENT FRONTIER

## Enhanced Instrument Panel for Easier Monitoring

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



### Intelligent and Wide Cluster

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



### New Audio System

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



### Haptic Control

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

### Wi-Fi Direct with Smart Phone (Miracast)

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

### Proportional Auxiliary Hydraulic System

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

# MODERN COMFORT, SIMPLE AND SAFE SOLUTION

## New Cabin for More Comfort

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



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

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



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

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



### Hi-mate (Remote Management System)

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

\* 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 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.





\*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)   | 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 1,250 rpm                 |                              |
| Bore x stroke              |     | 130 x 160 mm (5.12" x 6.3")                           |                              |
| Piston displacement        |     | 12,700 cc (775 cu in)                                 |                              |
| Batteries                  |     | 24 V x 200 Ah   |                              |
| Starting motor             |     | 24 V - 6 kW   |                              |
| Alternator                 |     | 24 V - 100 A  |                              |

| HYDRAULIC SYSTEM                          |  |
|---|--|
| MAIN PUMP                                 |  |
| Type                                      | Variable displacement tandem axis piston pumps |
| Max. flow                                 | 2 x 380 l/min (100.4 U.S. gpm / 83.6 U.K. gpm) |
| Sub-pump for pilot circuit                | Gear pump                                      |
| Cross-sensing and fuel saving pump system |  |

| HYDRAULIC MOTORS |  |
|------------------|--|
| Travel           | Two speed axial pistons motor with brake valve and parking brake |
| Swing            | Axial piston motor with automatic brake                          |

| RELIEF VALVE SETTING            |                                     |
|---------------------------------|-------------------------------------|
| Implement circuits              | 330 kgf/cm <sup>2</sup> (4,690 psi) |
| Travel                          | 330 kgf/cm <sup>2</sup> (4,690 psi) |
| Power boost (boom, arm, bucket) | 360 kgf/cm <sup>2</sup> (5,120 psi) |
| Swing circuit                   | 285 kgf/cm <sup>2</sup> (4,050 psi) |
| Pilot circuit                   | 40 kgf/cm <sup>2</sup> (569 psi)    |
| Service valve                   | Installed                           |

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

| DRIVES & BRAKES                |   |
|--------------------------------|---|
| Drive method                   | Fully hydrostatic type                      |
| Drive motor                    | Axial piston motor, in-shoe design          |
| Reduction system               | Planetary reduction gear                    |
| Max. drawbar pull              | 34,100 kgf (75,180 lbf)                     |
| Max. travel speed (high / low) | 5.3 km/hr (3.29 mph) / 3.3 km/hr (2.05 mph) |
| Gradeability                   | 35° (70%)                                   |
| Parking brake                  | Multi wet disc                              |

| CONTROL   |   |
|---|---|
| Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation. |   |
| Pilot control   | Two joysticks with one safety lever (LH): Swing and arm (RH): Boom and bucket (ISO) |
| Traveling and steering  | Two levers with pedals  |
| Engine throttle   | Electric, Dial type   |

| SWING SYSTEM              |                                       |
|---------------------------|---------------------------------------|
| Swing motor               | Fixed displacement axial piston motor |
| Swing reduction           | Planetary gear reduction              |
| Swing bearing lubrication | Grease-bathed                         |
| Swing brake               | Multi wet disc                        |
| Swing speed               | 8.6 rpm                               |

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

| UNDERCARRIAGE   |                     |
|---|---------------------|
| The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets and a track chain with double or triple grouser shoes. |                     |
| Center frame  | X - leg type        |
| Track frame   | Pentagonal box type |
| No. of shoes on each side   | 53 EA               |
| No. of carrier roller on each side  | 2 EA                |
| No. of track roller on each side  | 9 EA                |
| No. of rail guard on each side  | 2 EA                |

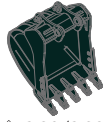
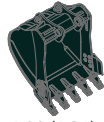
| OPERATING WEIGHT (APPROXIMATE)  |  |
|---|--|
| Operating weight, including 7,060 mm (23' 2") boom; 3,380 mm (11' 1") arm; SAE heaped 2.2 m <sup>3</sup> (2.88 yd <sup>3</sup> ) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments. |  |

| OPERATING WEIGHT   |               |                  |                  |                             |
|--------------------|---------------|------------------|------------------|-----------------------------|
| Shoes              |               | Operating weight |                  | Ground pressure             |
| Type               | Width mm (in) | kg (lb)          |                  | kgf / cm <sup>2</sup> (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<br>m <sup>3</sup> (yd <sup>3</sup> ) | 1.00 (1.31)<br>1.38 (1.8)<br>2.20 (2.88)<br>2.79 (3.65)<br>3.00 (3.92) | ◆ 2.20 (2.88)<br>◆ 2.43 (3.18)<br>◆ 2.79 (3.65)<br>◆ 3.20 (4.19) | ◆ 2.20 (2.88)<br>◆ 2.43 (3.18)<br>◆ 2.79 (3.65)<br>◆ 3.20 (4.19) |
|---|--|--|--|
|---|--|--|--|

| Capacity<br>m <sup>3</sup> (yd <sup>3</sup> ) |                | Width<br>mm (in) | Weight<br>kg (lb) | Recommendation mm (ft.in) |                      |                        |                      |                       |                        |                       |
|---|----------------|------------------|-------------------|---------------------------|----------------------|------------------------|----------------------|-----------------------|------------------------|-----------------------|
|   |                |                  |                   | 6,550 (21' 6")<br>Boom    |                      | 7,060 (23' 2")<br>Boom |                      |                       | 9,000 (29' 6")<br>Boom |                       |
| SAE<br>heaped                                 | CECE<br>heaped |                  |                   | 2,400 (7' 10")<br>Arm     | 2,900 (9' 6")<br>Arm | 2,400 (7' 10")<br>Arm  | 2,900 (9' 6")<br>Arm | 3,380 (11' 1")<br>Arm | 4,000 (13' 1")<br>Arm  | 6,000 (19' 8")<br>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 /m<sup>3</sup> (3,370 lb/ yd<sup>3</sup>) or less
- ⊙ : Applicable for materials with density of 1,600 kg /m<sup>3</sup> (2,700 lb/ yd<sup>3</sup>) or less
- : Applicable for materials with density of 1,100 kg /m<sup>3</sup> (1,850 lb/ yd<sup>3</sup>) 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

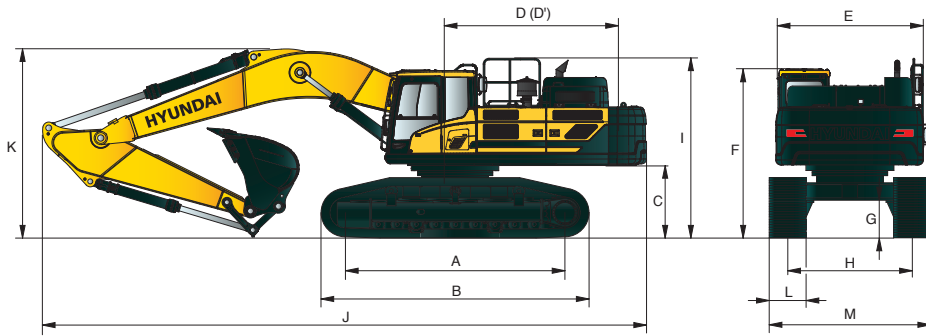
| Boom                 | Length | mm (ft.in) | 6,550 (21' 6") |               | 7,060 (23' 2") |               |                |                | 9,000 (29' 6") | Remarks:         |
|----------------------|--------|------------|----------------|---------------|----------------|---------------|----------------|----------------|----------------|------------------|
|                      | 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") | Power Boost      |
|                      | 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



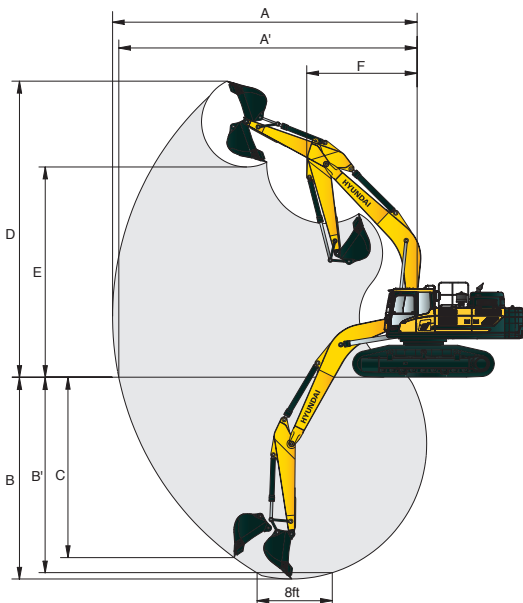
Unit : mm (ft-in)

|    |                                   |                 |
|----|-----------------------------------|-----------------|
| 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")  |

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

## HX480 L WORKING RANGE


Unit : mm (ft-in)



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













# 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 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.



| Load point height<br>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<br>m (ft) |
|                             |    |  |  |  |  |  |  |  |  |  |  |                 |
| 6.0 m<br>(19.6 ft)          | kg |   |   |   |   | *13100  | *13100  | *12540  | 9840  | 10830   | 6430  | 9.71            |
|                             | lb |   |   |   |   | *28880  | *28880  | *27640  | 21700   | 23890   | 14190   | 31.72           |
| 4.5 m<br>(14.7 ft)          | kg |   |   | *18500  | *18500  | *15010  | 13670   | *13400  | 9460  | 9840  | 5750  | 10.16           |
|                             | lb |   |   | *40800  | *40800  | *33100  | 30150   | *29530  | 20850   | 21690   | 12680   | 33.19           |
| 3.0 m<br>(9.8 ft)           | kg |   |   |   |   | *17090  | 12800   | *14450  | 9010  | 9410  | 5440  | 10.33           |
|                             | lb |   |   |   |   | *37680  | 28230   | *31850  | 19860   | 20740   | 11980   | 33.74           |
| 1.5 m<br>(4.9 ft)           | kg |   |   |   |   | *18620  | 12140   | 15190   | 8620  | 9430  | 5410  | 10.24           |
|                             | lb |   |   |   |   | *41060  | 26750   | 33480   | 19010   | 20790   | 11940   | 33.44           |
| Ground<br>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<br>(-4.9 ft)         | kg |   |   | *23780  | 18600   | *18850  | 11680   | 14840   | 8320  | 11150   | 6430  | 9.21            |
|                             | lb |   |   | *52420  | 41000   | *41560  | 25750   | 32710   | 18340   | 24570   | 14180   | 30.1            |
| -3.0 m<br>(-9.8 ft)         | kg | *27210  | *27210  | *21680  | 18870   | *17410  | 11840   |   |   | *11320  | 8010  | 8.15            |
|                             | lb | *59990  | *59990  | *47800  | 41590   | *38370  | 26090   |   |   | *24960  | 17650   | 26.61           |
| -4.5 m<br>(-14.7 ft)        | kg |   |   | *18000  | *18000  |   |   |   |   | *10800  | 9470  | 7.4             |
|                             | lb |   |   | *39690  | *39690  |   |   |   |   | *23810  | 20870   | 24.19           |

6.55 m (21' 6") boom; 2.9 m (9' 6") arm equipped with 2.20 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.

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













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

# LIFTING CAPACITY













 Rating over-front  Rating over-side or 360 degrees

## HX480 L













7.06 m (23' 2") boom; 3.38 m (11' 1") arm equipped with 2.20 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.

| Load point height<br>m (ft) | Load radius   |   |   |   |   |   |   |   |   |   | At max. reach   |   |        |       |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|--------|-------|
|                             | 3.0 m (10 ft)   |   | 4.5 m (15 ft)   |   | 6.0 m (20 ft)   |   | 7.5 m (25 ft)   |   | 9.0 m (30 ft)   |   | Capacity  | Reach   |        |       |
|                             |  |  |  |  |  |  |  |  |  |  |  |  | m (ft) |       |
| 6.0 m (19.6 ft)             | kg  |   |   |   |   |   | *11510  | 9900  | *11340  | 7020  | *7750   | 4930  | 11.05  |       |
|                             | lb  |   |   |   |   |   | *25370  | 21820   | *25010  | 15480   | *17090  | 10870   | 36.08  |       |
| 4.5 m (14.7 ft)             | kg  |   |   |   | *14080  | 13730   | *12700  | 9410  | *11690  | 6770  | *7880   | 4450  | 11.43  |       |
|                             | lb  |   |   |   | *31040  | 30270   | *28000  | 20740   | *25770  | 14910   | *17370  | 9820  | 37.34  |       |
| 3.0 m (9.8 ft)              | kg  |   | *21750  | 19990   | *16510  | 12740   | *14050  | 8870  | *11350  | 6460  | *7570   | 4210  | 11.58  |       |
|                             | lb  |   | *47940  | 44070   | *36390  | 28080   | *30970  | 19550   | *25020  | 14250   | *16680  | 9280  | 37.83  |       |
| 1.5 m (4.9 ft)              | kg  |   | *24850  | 18580   | *18470  | 11920   | 14950   | 8390  | *11030  | 6180  | *7540   | 4160  | 11.5   |       |
|                             | lb  |   | *54780  | 40950   | *40730  | 26270   | 32950   | 18490   | *24320  | 13620   | *16630  | 9180  | 37.57  |       |
| Ground Line                 | kg  |   | *25740  | 18010   | *19570  | 11410   | 14550   | 8040  | *10790  | 5960  | *7830   | 4320  | 11.19  |       |
|                             | lb  |   | *56750  | 39710   | *43150  | 25150   | 32070   | 17720   | *23800  | 13140   | *17270  | 9530  | 36.55  |       |
| -1.5 m (-4.9 ft)            | kg  | *19090  | *19090  | *25340  | 17890   | *19780  | 11180   | 14330   | 7850  | *10680  | 5860  | *8530   | 4740   | 10.62 |
|                             | lb  | *42080  | *42080  | *55870  | 39430   | *43600  | 24640   | 31600   | 17310   | *23540  | 12910   | *18800  | 10450  | 34.69 |
| -3.0 m (-9.8 ft)            | kg  | *25270  | *25270  | *24050  | 18010   | *19150  | 11180   | 14320   | 7840  |   |   | *9890   | 5580   | 9.74  |
|                             | lb  | *55720  | *55720  | *53020  | 39710   | *42220  | 24650   | 31570   | 17280   |   |   | *21810  | 12290  | 31.82 |
| -4.5 m (-14.7 ft)           | kg  | *28240  | *28240  | *21780  | 18370   | *17570  | 11390   | *14330  | 8040  |   |   | *11250  | 7290   | 8.43  |
|                             | lb  | *62250  | *62250  | *48020  | 40490   | *38740  | 25120   | *31590  | 17720   |   |   | *24800  | 16080  | 27.54 |
| -6.0 m (-19.6 ft)           | kg  |   |   | *18000  | *18000  |   |   |   |   |   |   | *10910  | 8780   | 7.61  |
|                             | lb  |   |   | *39690  | *39690  |   |   |   |   |   |   | *24060  | 19360  | 24.85 |

7.06 m (23' 2") boom; 2.4 m (7' 10") arm equipped with 2.20 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.

| Load point height<br>m (ft) | Load radius   |   |   |   |   |   |   |   |   |   | At max. reach   |   |        |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|--------|
|                             | 3.0 m (10 ft)   |   | 4.5 m (15 ft)   |   | 6.0 m (20 ft)   |   | 7.5 m (25 ft)   |   | 9.0 m (30 ft)   |   | Capacity  | Reach   |        |
|                             |  |  |  |  |  |  |  |  |  |  |  |  | m (ft) |
| 7.5 m (24.5 ft)             | kg  |   |   |   |   |   | *11920  | 9980  |   |   | *10790  | 6730  | 9.53   |
|                             | lb  |   |   |   |   |   | *26280  | 22010   |   |   | *23790  | 14850   | 31.14  |
| 6.0 m (19.6 ft)             | kg  |   |   |   | *13370  | *13370  | *12470  | 9690  |   |   | *9730   | 5700  | 10.26  |
|                             | lb  |   |   |   | *29480  | *29480  | *27490  | 21370   |   |   | *21450  | 12560   | 33.5   |
| 4.5 m (14.7 ft)             | kg  |   |   |   | *15530  | 13250   | *13530  | 9230  |   |   | *8903   | 5120  | 10.68  |
|                             | lb  |   |   |   | *34250  | 29220   | *29830  | 20340   |   |   | *19630  | 11290   | 34.88  |
| 3.0 m (9.8 ft)              | kg  |   |   |   | *17700  | 12330   | *14680  | 8740  | 11330   | 6460  | *8540   | 4850  | 10.84  |
|                             | lb  |   |   |   | *39020  | 27200   | *32370  | 19260   | 24980   | 14250   | *18820  | 10690   | 35.4   |
| 1.5 m (4.9 ft)              | kg  |   |   |   | *19140  | 11690   | 14860   | 8330  | 11080   | 6240  | *8550   | 4820  | 10.75  |
|                             | lb  |   |   |   | *42190  | 25780   | 32760   | 18370   | 24430   | 13760   | *18840  | 10640   | 35.12  |
| Ground Line                 | kg  |   |   |   | *19600  | 11380   | 14580   | 8090  | 10940   | 6110  | *8960   | 5060  | 10.41  |
|                             | lb  |   |   |   | *43210  | 25090   | 32140   | 17830   | 24120   | 13470   | *19750  | 11160   | 34.02  |
| -1.5 m (-4.9 ft)            | kg  |   | *23820  | 18210   | *19210  | 11320   | 14500   | 8020  |   |   | *9930   | 5650  | 9.79   |
|                             | lb  |   | *52520  | 40150   | *42360  | 24960   | 31960   | 17680   |   |   | *21890  | 12460   | 31.98  |
| -3.0 m (-9.8 ft)            | kg  | *26660  | *26660  | *22010  | 18460   | *17980  | 11470   | 14660   | 8160  |   | *11270  | 6860  | 8.81   |
|                             | lb  | *58780  | *58780  | *48530  | 40690   | *39630  | 25290   | 32320   | 17980   |   | *24840  | 15120   | 28.78  |
| -4.5 m (-14.7 ft)           | kg  |   |   | *19030  | 18970   | *15480  | 11890   |   |   |   | *10630  | 8730  | 7.71   |
|                             | 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 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.

| Load point height<br>m (ft) | Load radius   |   |   |   |   |   |   |   |   |   | At max. reach   |   |        |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|--------|
|                             | 3.0 m (10 ft)   |   | 4.5 m (15 ft)   |   | 6.0 m (20 ft)   |   | 7.5 m (25 ft)   |   | 9.0 m (30 ft)   |   | Capacity  | Reach   |        |
|                             |  |  |  |  |  |  |  |  |  |  |  |  | m (ft) |
| 7.5 m (24.5 ft)             | kg  |   |   |   |   |   | *11300  | 10110   |   |   | *9200   | 6210  | 9.96   |
|                             | lb  |   |   |   |   |   | *24920  | 22290   |   |   | *20290  | 13690   | 32.54  |
| 6.0 m (19.6 ft)             | kg  |   |   |   |   |   | *12000  | 9780  |   |   | *9110   | 5290  | 10.65  |
|                             | lb  |   |   |   |   |   | *26450  | 21560   |   |   | *20090  | 11660   | 34.78  |
| 4.5 m (14.7 ft)             | kg  |   | *18460  | *18460  | *14840  | 13460   | *13150  | 9290  | 11630   | 6710  | *8370   | 4760  | 11.05  |
|                             | lb  |   | *40690  | *40690  | *32720  | 29680   | *28980  | 20480   | 25630   | 14800   | *18440  | 10500   | 36.09  |
| 3.0 m (9.8 ft)              | kg  |   | *23200  | 19320   | *17170  | 12480   | *14420  | 8760  | 11310   | 6430  | *8020   | 4500  | 11.2   |
|                             | lb  |   | *51150  | 42600   | *37860  | 27520   | *31790  | 19320   | 24930   | 14170   | *17680  | 9920  | 36.6   |
| 1.5 m (4.9 ft)              | kg  |   | *21570  | 18200   | *18920  | 11730   | 14850   | 8310  | 11020   | 6170  | *8010   | 4460  | 11.12  |
|                             | lb  |   | *47550  | 40110   | *41710  | 25860   | 32750   | 18320   | 24290   | 13590   | *17650  | 9830  | 36.33  |
| Ground Line                 | kg  |   | *24530  | 17880   | *19730  | 11310   | 14500   | 8000  | 10820   | 5990  | *8350   | 4650  | 10.8   |
|                             | lb  |   | *54090  | 39420   | *43500  | 24920   | 31970   | 17640   | 23850   | 13200   | *18400  | 10250   | 35.27  |
| -1.5 m (-4.9 ft)            | kg  | *19550  | *19550  | *24880  | 17880   | *19650  | 11160   | 14350   | 7870  |   | *9170   | 5140  | 10.2   |
|                             | lb  | *43100  | *43100  | *54840  | 39430   | *43320  | 24600   | 31640   | 17350   |   | *20210  | 11340   | 33.32  |
| -3.0 m (-9.8 ft)            | kg  | *27720  | *27720  | *23290  | 18090   | *18730  | 11240   | 14410   | 7930  |   | *10790  | 6140  | 9.28   |
|                             | lb  | *61120  | *61120  | *51340  | 39890   | *41300  | 24770   | 31780   | 17470   |   | *23790  | 13530   | 30.31  |
| -4.5 m (-14.7 ft)           | kg  | *26110  | *26110  | *20660  | 18540   | *16750  | 11550   |   |   |   | *10990  | 8290  | 7.87   |
|                             | 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 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 9,200 kg (20,280 lb) counterweight.

| Load point height<br>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<br>(24.5 ft)          | kg |   |   |   |   |   |   |   |   |   |   | *10200  | 7350  |   |   | *7160   | 5140  | 11.03  |       |       |
|                             | lb |   |   |   |   |   |   |   |   |   |   | *22500  | 16210   |   |   | *15780  | 11340   | 36.02  |       |       |
| 6.0 m<br>(19.6 ft)          | kg |   |   |   |   |   |   |   |   |   |   | *10730  | 7180  |   |   | *7190   | 4460  | 11.64  |       |       |
|                             | lb |   |   |   |   |   |   |   |   |   |   | *23660  | 15830   |   |   | *15840  | 9820  | 38.02  |       |       |
| 4.5 m<br>(14.7 ft)          | kg |   |   |   |   |   |   |   |   |   |   | *11990  | 9630  | *11430  | 6900  | 8920  | 5040  | 7240   | 4040  | 12    |
|                             | lb |   |   |   |   |   |   |   |   |   |   | *26430  | 21230   | *25200  | 15200   | 19650   | 11100   | 15970  | 8900  | 39.21 |
| 3.0 m<br>(9.8 ft)           | kg |   |   |   | *19780  | *19780  | *15510  | 13090   | *13450  | 9050  | 11470   | 6560  | 8720  | 4860  | 6960  | 3820  | 6960  | 3820   | 12.14 |       |
|                             | lb |   |   |   | *43610  | *43610  | *34200  | 28870   | *29650  | 19960   | 25280   | 14460   | 19220   | 10710   | 15340   | 8420  | 15340   | 8420   | 39.67 |       |
| 1.5 m<br>(4.9 ft)           | kg |   |   |   | *23740  | 19050   | *17790  | 12160   | *14820  | 8510  | 11110   | 6230  | 8520  | 4680  | 6930  | 3766  | 6930  | 3766   | 12.07 |       |
|                             | lb |   |   |   | *52340  | 42000   | *39230  | 26810   | *32660  | 18770   | 24490   | 13740   | 18780   | 10310   | 15270   | 8303  | 15270   | 8303   | 39.43 |       |
| Ground<br>Line              | kg |   |   | *13800  | *13800  | *25590  | 18130   | *19290  | 11510   | 14620   | 8090  | 10810   | 5970  | 8360  | 4530  | 7154  | 3886  | 11.77  |       |       |
|                             | lb |   |   | *30430  | *30430  | *56410  | 39970   | *42530  | 25390   | 32230   | 17840   | 23840   | 13160   | 18440   | 9990  | 15772   | 8568  | 38.46  |       |       |
| -1.5 m<br>(-4.9 ft)         | kg | *14500  | *14500  | *17930  | *17930  | *25840  | 17790   | *19900  | 11170   | 14320   | 7830  | 10630   | 5810  |   |   | 7706  | 4217  | 11.24  |       |       |
|                             | lb | *31970  | *31970  | *39520  | *39520  | *56971  | 39230   | *43860  | 24620   | 31580   | 17270   | 23430   | 12800   |   |   | 16990   | 9298  | 36.73  |       |       |
| -3.0 m<br>(-9.8 ft)         | kg | *18590  | *18590  | *22750  | *22750  | *25020  | 17790   | *19650  | 11070   | 14220   | 7740  | 10590   | 5770  |   |   | 8768  | 4871  | 10.43  |       |       |
|                             | lb | *40980  | *40980  | *50160  | *50160  | *55170  | 39230   | *43320  | 24400   | 31350   | 17070   | 23350   | 12720   |   |   | 19329   | 10738   | 34.06  |       |       |
| -4.5 m<br>(-14.7 ft)        | kg |   |   | *28640  | *28640  | *23220  | 18040   | *18520  | 11190   | 14330   | 7830  |   |   |   |   | 10836   | 6139  | 9.24   |       |       |
|                             | lb |   |   | *63150  | *63150  | *51200  | 39780   | *40830  | 24660   | 31580   | 17270   |   |   |   |   | 23890   | 13534   | 30.17  |       |       |
| -6.0 m<br>(-19.6 ft)        | kg |   |   | *26350  | *26350  | *20150  | 18570   | *16170  | 11560   |   |   |   |   |   |   | *10846  | 8506  | 7.73   |       |       |
|                             | 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 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe and 10,200 kg (22,490 lb) counterweight.

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

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

| ENGINE  | STD | OPT |
|---|-----|-----|
| Scania DC13 084A engine                                       | ●   |     |
| <b>HYDRAULIC SYSTEM</b>                                       |     |     |
| <b>Intelligent Power Control (IPC)</b>                        |     |     |
| 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                                  |     | ●   |
| <b>CABIN &amp; INTERIOR</b>                                   |     |     |
| <b>ISO Standard cabin</b>                                     |     |     |
| 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                              | ●   |     |
| <b>Automatic climate control</b>                              |     |     |
| Air conditioner & heater                                      | ●   |     |
| Defroster   | ●   |     |
| <b>Centralized monitoring</b>                                 |     |     |
| 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  |     | ●   |
| <b>Seat</b>   |     |     |
| Adjustable air suspension seat with heater                    |     | ●   |
| <b>Cabin FOPS/FOG (ISO/DIS 10262) Level 2</b>                 |     |     |
| FOPS (Falling Object Protective Structure) · ISO 3449 Level 2 |     | ●   |
| FOG (Falling Object Guard) · Front & Top Guard                |     | ●   |
| ISO/DIS 10262 Level 2 · Top Guard                             |     | ●   |
| <b>Cabin ROPS (ISO 12117-2)</b>                               |     |     |
| 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                                   | ●         |     |
| <b>OTHER</b>   |           |     |
| <b>Booms</b>   |           |     |
| 6.55 m; 21' 6"   |           | ●   |
| 7.06 m; 23' 2"   | ●         |     |
| 9.00 m; 29' 6"   |           | ●   |
| <b>Arms</b>  |           |     |
| 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 x 12 V x 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   |           | ●   |
| <b>UNDERCARRIAGE</b>   |           |     |
| Lower frame under cover (Additional)                             |           | ●   |
| Lower frame under cover (Normal)                                 | ●         |     |
| <b>Track shoes</b>   |           |     |
| 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.