www.**hd-hyundaice**.com

HX140 L

With Tier 3 / Stage IIIA Engine Installed

* Photo may include optional equipment.

Gross Power	Net Power	Bucket Capacity	Operating Weight
97 kW (130 HP) at 2,000 rpm	95 kW (127 HP) at 2,000 rpm	0.52 ~ 0.71m³	14,325 kg / 31,580 lb

HD HYUNDAI CONSTRUCTION EQUIPMENT

Head Office(Sales Office)
11F, GLOBAL R&D CENTER, 477 BUNDANG SUSEO-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, 13553, KOREA

PLEASE CONTACT

2023. NOV

HD HYUNDAI

RULE THE GROUND

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

WORK MAX, WORTH MAX

- IPC (Intelligent Power Control) NEW
- Attachment Flow Control Option
- New Variable Power Control
- Fuel Rate Information
- ECO Gauge
- New Cooling System with Increased Air Flow
- Enlarged Air Inlet with Grill Cover

MORE RELIABLE, MORE SUSTAINABLE

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

INFOTAINMENT FRONTIER

- Key On Init Work Mode NEW
- Proportional Auxiliary Hydraulic System Option
- Quick Coupler Button Option
- New Front Side Air-conditioning System
- Intelligent and Wide Cluster
- New Air Conditioning System
- Audio System

MODERN COMFORT, SIMPLE AND SAFE SOLUTION

- Rear and Mirror view Camera NEW Option
- AAVM (Advanced Around View Monitoring) Camera System Option
- Hi MATE (Remote Management System) Option
- Swing Lock System Option
- Fine Swing Control Option
- ROPS / FOG Cabin Option
- Emergency Engine Stop Switch

* Photo may include optional equipment.

15% increased greater screen from 7 to 8 inch is applied in HX Series. More functions and better resolution are available with adding premium options.

IPC (Intelligent Power Control)

NEW

HX Series adopts the upgraded IPC system. It is able to optimize pump flow rate and power at the various working condition through the individual pump control. Furthermore, optimized design of MCV and pipe line minimizes energy loss such as conflux and throttle loss.

Attachment Flow Control Option

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.

Eco Gauge

Eco gauge enables 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 is displayed. Hourly and daily based fuel consumption can be checked in the detailed menu as well.

Fuel Rate Information

New Cooling System with Increased Air Flow

With the three-floor vertically placed cooling module improving air inflow, HX Series provides excellent cooling performance by increasing heat dissipation and can be easily cleaned.

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.

WORK MAX, WORTH MAX

Fuel Efficient System Allows Great Performance

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.

New Variable Power Control

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 systemfor light load work.

BETTER FUEL-EFFICIENCY
(Compared to 9 Series)

Truck Loading	Leveling	Daily Fuel Efficiency
12% ↑	12% ↑	12% ↑

* Photo may include optional equipment.

MORE RELIABLE, MORE SUSTAINABLE

New Exterior Design for Robustness and Safety

The true value of HX Series lies in its durability. The robust frame structure and the attachments show the real value of HX Series in tough working environments and promise higher productivity.

* Photo may include optional equipment.

> "We make the best performance in rough working conditions without any unsureness with trustworthy HX140SA."

Durable Cooling Module

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 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.

Reinforced Pins, Bushing, and Polymer Shims

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. Vibration reduction of buckets enables more stable operation even in high-load work.

Hi-grade (High-pressure) Hoses

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

INFOTAINMENT FRONTIER

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 HCE's intensive information technology development, enables both productivity and comfort while working! HX Series is designed with the operator in mind.

* Photo may include optional equipment.

New Front Side Air-conditioning System

The ventilation is designed for both warm and cool air reaching to operator's faces. It could helps operators create more neat and enjoyable atmosphere through in-door air circulation.

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.

Quick Coupler Button Option

Easy attachment replacement of equipment is available with quick coupler button.

Key On Init Work Mode NEW

Operator can maintain previously set about attachment mode when starting.

Proportional Auxiliary Hydraulic System Option

Proportional control switch with better speed control helps operators to enlarge the operation convenience whenever they do time-consuming work.

Intelligent and Wide Cluster

The 8" capacitive-type display(like smartphone display) of HX Series is delivering excellent legibility. The centralized switches on the display allow convenience of checking the urea level and temperature outside the cabin.

* The above image is 'Premium type'.

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, HX Series allows rapid and safe equipment inspection anytime and anywhere, providing an optimal environment for operators to work.

* Photo may include optional equipment.

Hi MATE

Option

IT'S CONVENIENT, EASY AND VALUABLE

Hi MATE Hyundai's newly developed remote management system, utilizes GPS-satellite technology to provide customers with the highest level of service and product support available. Hi MATE enables users to remotely evaluate machine performance, access diagnostic information, and verify machine locations at the touch of a button.

WHAT IS BENEFITS

Increase Productivity

It helps you operate machines in efficient. You can check the difference between total engine hours and actual working hours. See how productive your machines are and plan any required cost saving solutions. Hi MATE offers working information such as working / idling hours, fuel consumption and rate.

Convenient and Easy Monitoring

There is nothing much to do to monitor your machines. Just log on to the Hi MATE website or mobile application. Hi MATE allows you to watch your machines whenever and wherever you are.

Security

Protect your machines from theft or unauthorized usage with Hi MATE. If the machine moves out of the Geofence boundary, you will get alerts.

"HX140L with advanced technology ensures our safety on a construction site."

HX Series excavators are products of HCE's spirit of initiative, creativity, and strong drive. HCE 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.

Rear and Mirror View Camera

NEW Option

The mirror view camera is installed on right side. The camera helps the operator cover the visiual blind spot on the right side mirror.

AAVM(Advanced Around View Monitoring) Camera System Option

HX-LT3 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 and rear and to the right and left.

- **AAVM**(Advanced Around View Monitoring) : Secure field of vision in all directions by ten 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).

Swing Lock System Option

Swing lock system is provided to maintain stability when swing movement needs to be limited.

Fine Swing Contro Option

This option enables smooth movement at the start and stop of swing operation. (Cushion Swing).

ROPS / FOG Cabin Option

The cabin structure of Hyundai HX A Series is using intergrally welded low-stress, high strength steel to meet ROPS and FOG certification.

- **ROPS** : Roll-Over Protective Structures ISO 12117-2
- **IMOD** : Falling Object Guard, ISO 10262 Level 2

Emergency Engine Stop Switch

Manual engine stop switch behind the seat is used for emergency stop. It can be reached from outside of cabin.

SPECIFICATIONS

ENGINE

Maker / Model	CUMMINS / QSB4.5
Type	4-cycle, turbocharged, charge air cooled, electronic controlled diesel engine
Gross Power	97 kW (130 HP) at 2,000 rpm
Net Power	95 kW (127 HP) at 2,000 rpm
Max. Power	101 kW (135 HP) at 1,800 rpm
Peak Torque	620 N·m (457 lb·ft) at 1,500 rpm
Displacement	4.5 ℓ (272 cu in)

HYDRAULIC SYSTEM

MAIN PUMP

Type	Variable displacement tandem axis piston pumps
Max. flow	2 x 131 ℓ/min (34.6 U.S. gpm)

PILOT PUMP

Type	Fixed displacement gear pump single stage
Max. flow	27 ℓ/min (7.1 U.S. gpm)

HYDRAULIC MOTORS

Travel	Variable displacement axial piston motor
Swing	Two fixed displacement axial piston motor

RELIEF VALVE SETTING

Implement circuits	350 kgf/cm² (4,980psi)
Travel	350 kgf/cm² (4,980psi)
Power boost (boom, arm, bucket)	380 kgf/cm² (5,410psi)
Swing circuit	280 kgf/cm² (3,990psi)
Pilot circuit	40 kgf/cm² (569psi)
Service valve	Installed

HYDRAULIC CYLINDERS

No. of cylinder bore X stroke	Boom: 2-Ø105×1,080 mm
	Arm: 1-Ø115×1,108 mm
	Bucket: 1-Ø100×900 mm
	Blade: 2-100 x 250 mm

* 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	12,670 kgf (27,930 lbf)
Max. travel speed (high / low)	3.4km/hr (2.1mph) / 5.8km/hr (3.6mph)
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
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type

SWING SYSTEM

Swing motor	Two fixed displacement axial piston motor
Swing reduction	2-stage planetary
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	12.4 rpm

COOLANT & LUBRICANT CAPACITY

	liter	US gal
Fuel tank	270	71.3
Engine coolant	23	6.1
Engine oil	11	2.9
Swing device	3.5	0.9
Final drive	2.3	0.6
Hydraulic system (including tank)	210	55.5
Hydraulic tank	120	31.7

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

model	HX140L(D) T3	HX140HW T3
No. of shoes on each side	46	47
No. of carrier roller on each side	2 x 1	2 x 2
No. of track roller on each side	2 x 7	2 x 7
No. of rail guard on each side	2	Full Rail Guard

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 4,600mm (15' 1") boom, 2,500mm (8' 2") arm, SAE heaped 0.59m³ (0.77 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	500 (20")	HX140 L	14,110 (31,110)	0.44 (6.26)
		HX140 LD	15,015 (33,100)	0.46 (6.54)
	600 (24")	HX140 L	14,325 (31,580)	0.37 (5.26)
		HX140 LD	15,230 (33,580)	0.39 (5.55)
	700 (28")	HX140 L	14,535 (32,040)	0.32 (4.55)
		HX140 LD	15,440 (34,040)	0.34 (4.84)
		HX140 HW	17,085 (37,670)	0.37 (5.26)
	800 (32")	HX140 HW	17,320 (38,180)	0.33 (4.69)

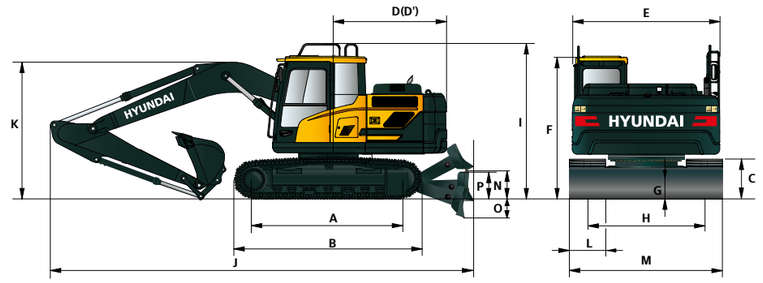
AIR CONDITIONING SYSTEM

The air condition system for the machine contains the fluorinated

DIMENSIONS & WORKING RANGE

HX140 L / HX140 LD MONO BOOM DIMENSIONS

4.60 m (15' 1") BOOM and 2.50 m (8' 2"), 3.00 m (9' 0") ARM



Unit : mm (ft · in)

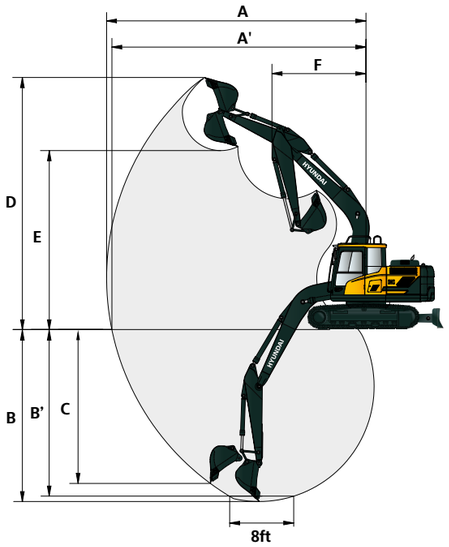
A	Tumbler distance	3,035 (9' 11")
*B	Overall length of crawler	3,757 (12' 4")
C	Ground clearance of counterweight	905 (3' 0")
D	Tail swing radius	2,345 (7' 8")
D'	Rear-end length	2,335 (7' 8")
E	Overall width of upperstructure	2,475 (8' 1")
*F	Overall height of cab	2,835 (9' 4")
*G	Min. ground clearance	405 (1' 4")
H	Track gauge	1,990 (6' 6")
I	Overall height of guardrail	2,925 (9' 7")

* This figure includes the size of grousers.

	Boom length	4,600 (15' 1")		
	Arm length	2,500 (8' 2")		3,000 (9' 10")
J	Overall length	8,135 (26' 8")		8,100 (26' 7")
K	Overall height of boom	2,730 (8' 11")		3,160 (10' 4")
L	Track shoe width	500 (20")	600 (24")	700 (28")
M	Overall width	2,490 (8' 2")	2,590 (8' 6")	2,690 (8' 10")

N	Ground clearance of blade up	580 (1' 11")
O	Depth of blade down	475 (1' 7")
P	Height of blade	575 (1' 11")

HX140 L / HX140 LD MONO BOOM WORKING RANGE



Unit : mm (ft · in)

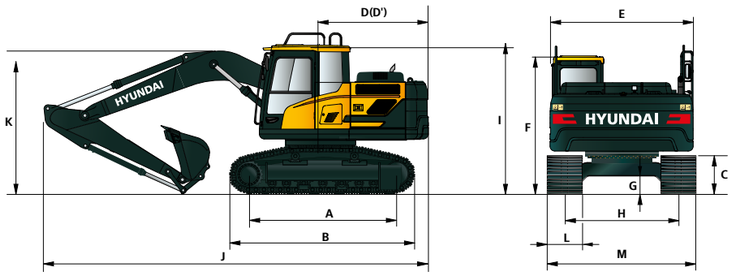
	Boom length	4,600 (15' 1")	
	Arm length	2,500 (8' 2")	3,000 (9' 10")
A	Max. digging reach	8,290 (27' 2")	8,670 (28' 5")
A'	Max. digging reach on ground	8,140 (26' 8")	8,530 (28' 0")
B	Max. digging depth	5,380 (17' 8")	5,880 (19' 3")
B'	Max. digging depth (8' level)	5,180 (17' 0")	5,690 (18' 8")
C	Max. vertical wall digging depth	4,770 (15' 8")	4,980 (16' 4")
D	Max. digging height	8,580 (28' 2")	8,650 (28' 5")
E	Max. dumping height	6,240 (20' 6")	6,350 (20' 10")
F	Min. swing radius	2,450 (8' 0")	2,660 (8' 9")

HX140 L

DIMENSIONS & WORKING RANGE

HX140 HW MONO BOOM DIMENSIONS

4.60 m (15' 1") BOOM and 2.50 m (8' 2"), 3.00 m (9' 0") ARM



Unit : mm (ft · in)

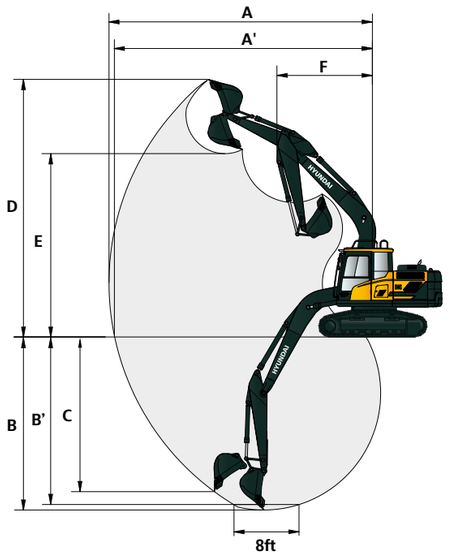
A	Tumbler distance	3,030 (9' 11")
*B	Overall length of crawler	3,820 (12' 6")
C	Ground clearance of counterweight	1,205 (3' 11")
D	Tail swing radius	2,345 (7' 8")
D'	Rear-end length	2,335 (7' 8")
E	Overall width of upperstructure	2,475 (8' 1")
*F	Overall height of cab	3,135 (10' 3")
*G	Min. ground clearance	600 (2' 0")
H	Track gauge	2,040 (6' 8")
I	Overall height of guardrail	3,385 (11' 1")

Boom length		4,600 (15' 1")	
Arm length		2,500 (8' 2")	3,000 (9' 10")
J	Overall length	7,775 (25' 6")	7,845 (25' 9")
K	Overall height of boom	2,750 (9' 0")	3,120 (10' 3")
L	Track shoe width	700 (28")	800 (32")
M	Overall width	2,740 (9' 0")	2,840 (9' 4")

* This figure includes the size of grousers.

HX140 HW MONO BOOM WORKING RANGE

Unit : mm (ft · in)



Boom length		4,600 (15' 1")	
Arm length		2,500 (8' 2")	3,000 (9' 10")
A	Max. digging reach	8,290 (27' 2")	8,670 (28' 5")
A'	Max. digging reach on ground	8,080 (26' 6")	8,470 (27' 9")
B	Max. digging depth	5,110 (16' 9")	5,610 (18' 5")
B'	Max. digging depth (8' level)	4,900 (16' 1")	5,410 (17' 9")
C	Max. vertical wall digging depth	4,490 (14' 9")	4,700 (15' 5")
D	Max. digging height	8,860 (29' 1")	8,930 (29' 4")
E	Max. dumping height	6,520 (21' 5")	6,620 (21' 9")
F	Min. swing radius	2,450 (8' 0")	2,660 (8' 9")

HX140 L

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX140 L T3 MONO BOOM

4.60 m (15' 1") boom, 2.50 m (8' 2") arm equipped with 1,900kg counter weight and 600mm(24") Triple grouser shoe without Dozer.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg					*3,670	*3,670			*2,180	*2,180	5.42
19.7ft	lb					*8,090	*8,090			*4,810	*4,810	(17.8)
4.5m	kg					*3,930	3,920	*3,210	2,470	*2,020	*2,020	6.39
14.8ft	lb					*8,660	8,640	*7,080	5,450	*4,450	*4,450	(21.0)
3.0m	kg			*6,610	*6,610	*4,820	3,720	3,650	2,410	*2,010	1,920	6.90
9.8ft	lb			*14,570	*14,570	*10,630	8,200	8,050	5,310	*4,430	4,230	(22.6)
1.5m	kg			*7,930	6,310	5,510	3,490	3,540	2,310	*2,120	1,810	7.06
4.9ft	lb			*17,480	13,910	12,150	7,690	7,800	5,090	*4,670	3,990	(23.2)
0.0m	kg			*6,750	6,040	5,320	3,330	3,460	2,240	*2,380	1,850	6.89
0.0ft	lb			*14,880	13,320	11,730	7,340	7,630	4,940	*5,250	4,080	(22.6)
-1.5m	kg	*4,910	*4,910	*9,970	6,010	5,260	3,280	3,430	2,210	*2,910	2,060	6.36
-4.9ft	lb	*10,820	*10,820	*21,980	13,250	11,600	7,230	7,560	4,870	*6,420	4,540	(20.9)
-3.0m	kg	*8,760	*8,760	*8,640	6,120	5,310	3,320			4,100	2,630	5.36
-9.8ft	lb	*19,310	*19,310	*19,050	13,490	11,710	7,320			9,040	5,800	(17.6)

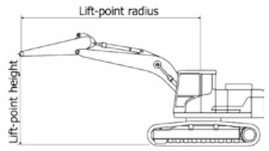
4.60 m (15' 1") boom, 2.50 m (8' 2") arm equipped with 1,900kg counter weight and 600mm(24") Triple grouser shoe with Dozer up.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg					*3,670	*3,670			*2,180	*2,180	5.42
19.7ft	lb					*8,090	*8,090			*4,810	*4,810	(17.8)
4.5m	kg					*3,930	*3,930	*3,210	2,630	*2,020	*2,020	6.39
14.8ft	lb					*8,660	*8,660	*7,080	5,800	*4,450	*4,450	(21.0)
3.0m	kg			*6,610	*6,610	*4,820	3,950	3,660	2,570	*2,010	*2,010	6.90
9.8ft	lb			*14,570	*14,570	*10,630	8,710	8,070	5,670	*4,430	*4,430	(22.6)
1.5m	kg			*7,930	6,710	5,530	3,720	3,550	2,470	*2,120	1,950	7.06
4.9ft	lb			*17,480	14,790	12,190	8,200	7,830	5,450	*4,670	4,300	(23.2)
0.0m	kg			*6,750	6,440	5,340	3,560	3,470	2,400	*2,380	1,980	6.89
0.0ft	lb			*14,880	14,200	11,770	7,850	7,650	5,290	*5,250	4,370	(22.6)
-1.5m	kg	*4,910	*4,910	*9,970	6,410	5,280	3,500	3,450	2,370	*2,910	2,210	6.36
-4.9ft	lb	*10,820	*10,820	*21,980	14,130	11,640	7,720	7,610	5,220	*6,420	4,870	(20.9)
-3.0m	kg	*8,760	*8,760	*8,640	6,520	5,330	3,550			4,120	2,820	5.36
-9.8ft	lb	*19,310	*19,310	*19,050	14,370	11,750	7,830			9,080	6,220	(17.6)

4.60 m (15' 1") boom, 2.50 m (8' 2") arm equipped with 1,900kg counter weight and 600mm(24") Triple grouser shoe with Dozer down.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg					*3,670	*3,670			*2,180	*2,180	5.42
19.7ft	lb					*8,090	*8,090			*4,810	*4,810	(17.8)
4.5m	kg					*3,930	*3,930	*3,210	2,870	*2,020	*2,020	6.39
14.8ft	lb					*8,660	*8,660	*7,080	6,330	*4,450	*4,450	(21.0)
3.0m	kg			*6,610	*6,610	*4,820	4,320	*4,140	2,800	*2,010	*2,010	6.90
9.8ft	lb			*14,570	*14,570	*10,630	9,520	*9,130	6,170	*4,430	*4,430	(22.6)
1.5m	kg			*7,930	7,510	*5,900	4,090	*4,590	2,700	*2,120	*2,120	7.06
4.9ft	lb			*17,480	16,560	*13,010	9,020	*10,120	5,950	*4,670	*4,670	(23.2)
0.0m	kg			*6,750	*6,750	*6,630	3,920	*4,920	2,630	*2,380	2,170	6.89
0.0ft	lb			*14,880	*14,880	*14,620	8,640	*10,850	5,800	*5,250	4,780	(22.6)
-1.5m	kg	*4,910	*4,910	*9,970	7,200	*6,700	3,870	*4,830	2,600	*2,910	2,420	6.36
-4.9ft	lb	*10,820	*10,820	*21,980	15,870	*14,770	8,530	*10,650	5,730	*6,420	5,340	(20.9)
-3.0m	kg	*8,760	*8,760	*8,640	7,310	*5,860	3,910			*4,220	3,090	5.36
-9.8ft	lb	*19,310	*19,310	*19,050	16,120	*12,920	8,620			*9,300	6,810	(17.6)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX140 L T3 MONO BOOM

4.60 m (15' 1") boom, 2.50 m (8' 2") arm equipped with 2,300kg counter weight and 600mm(24") Triple grouser shoe without Dozer.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg					*3,670	*3,670			*2,180	*2,180	5.42
19.7ft	lb					*8,090	*8,090			*4,810	*4,810	(17.8)
4.5m	kg					*3,930	*3,930	*3,210	2,660	*2,020	*2,020	6.39
14.8ft	lb					*8,660	*8,660	*7,080	5,860	*4,450	*4,450	(21.0)
3.0m	kg			*6,610	*6,610	*4,820	4,000	3,880	2,600	*2,010	*2,010	6.90
9.8ft	lb			*14,570	*14,570	*10,630	8,820	8,550	5,730	*4,430	*4,430	(22.6)
1.5m	kg			*7,930	6,800	5,870	3,770	3,780	2,500	*2,120	1,970	7.06
4.9ft	lb			*17,480	14,990	12,940	8,310	8,330	5,510	*4,670	4,340	(23.2)
0.0m	kg			*6,750	6,520	5,680	3,610	3,700	2,430	*2,380	2,010	6.89
0.0ft	lb			*14,880	14,370	12,520	7,960	8,160	5,360	*5,250	4,430	(22.6)
-1.5m	kg	*4,910	*4,910	*9,970	6,500	5,620	3,550	3,670	2,400	*2,910	2,230	6.36
-4.9ft	lb	*10,820	*10,820	*21,980	14,330	12,390	7,830	8,090	5,290	*6,420	4,920	(20.9)
-3.0m	kg	*8,760	*8,760	*8,640	6,600	5,670	3,600			*4,220	2,850	5.36
-9.8ft	lb	*19,310	*19,310	*19,050	14,550	12,500	7,940			*9,300	6,280	(17.6)

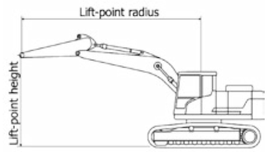
4.60 m (15' 1") boom, 2.50 m (8' 2") arm equipped with 2,300kg counter weight and 600mm(24") Triple grouser shoe with Dozer up.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg					*3,670	*3,670			*2,180	*2,180	5.42
19.7ft	lb					*8,090	*8,090			*4,810	*4,810	(17.8)
4.5m	kg					*3,930	*3,930	*3,210	2,820	*2,020	*2,020	6.39
14.8ft	lb					*8,660	*8,660	*7,080	6,220	*4,450	*4,450	(21.0)
3.0m	kg			*6,610	*6,610	*4,820	4,230	3,900	2,760	*2,010	*2,010	6.90
9.8ft	lb			*14,570	*14,570	*10,630	9,330	8,600	6,080	*4,430	*4,430	(22.6)
1.5m	kg			*7,930	7,200	5,880	4,000	3,790	2,660	*2,120	2,100	7.06
4.9ft	lb			*17,480	15,870	12,960	8,820	8,360	5,860	*4,670	4,630	(23.2)
0.0m	kg			*6,750	*6,750	5,700	3,840	3,710	2,590	*2,380	2,150	6.89
0.0ft	lb			*14,880	*14,880	12,570	8,470	8,180	5,710	*5,250	4,740	(22.6)
-1.5m	kg	*4,910	*4,910	*9,970	6,900	5,630	3,780	3,680	2,560	*2,910	2,380	6.36
-4.9ft	lb	*10,820	*10,820	*21,980	15,210	12,410	8,330	8,110	5,640	*6,420	5,250	(20.9)
-3.0m	kg	*8,760	*8,760	*8,640	7,010	5,690	3,820			*4,220	3,040	5.36
-9.8ft	lb	*19,310	*19,310	*19,050	15,450	12,540	8,420			*9,300	6,700	(17.6)

4.60 m (15' 1") boom, 2.50 m (8' 2") arm equipped with 2,300kg counter weight and 600mm(24") Triple grouser shoe with Dozer down.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
6.0m	kg					*3,670	*3,670			*2,180	*2,180	5.42
19.7ft	lb					*8,090	*8,090			*4,810	*4,810	(17.8)
4.5m	kg					*3,930	*3,930	*3,210	3,060	*2,020	*2,020	6.39
14.8ft	lb					*8,660	*8,660	*7,080	6,750	*4,450	*4,450	(21.0)
3.0m	kg			*6,610	*6,610	*4,820	4,610	*4,140	3,000	*2,010	*2,010	6.90
9.8ft	lb			*14,570	*14,570	*10,630	10,160	*9,130	6,610	*4,430	*4,430	(22.6)
1.5m	kg			*7,930	*7,930	*5,900	4,380	*4,590	2,900	*2,120	*2,120	7.06
4.9ft	lb			*17,480	*17,480	*13,010	9,660	*10,120	6,390	*4,670	*4,670	(23.2)
0.0m	kg			*6,750	*6,750	*6,630	4,210	*4,920	2,830	*2,380	2,340	6.89
0.0ft	lb			*14,880	*14,880	*14,620	9,280	*10,850	6,240	*5,250	5,160	(22.6)
-1.5m	kg	*4,910	*4,910	*9,970	7,720	*6,700	4,150	*4,830	2,800	*2,910	2,600	6.36
-4.9ft	lb	*10,820	*10,820	*21,980	17,020	*14,770	9,150	*10,650	6,170	*6,420	5,730	(20.9)
-3.0m	kg	*8,760	*8,760	*8,640	7,830	*5,860	4,200			*4,220	3,320	5.36
-9.8ft	lb	*19,310	*19,310	*19,050	17,260	*12,920	9,260			*9,300	7,320	(17.6)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



Rating over-front Rating over-side or 360 degree

HX140 L T3 MONO BOOM

4.60 m (15' 1") boom, 3.00 m (9' 10")arm equipped with 1,900kg counter weight and 600mm(24") Triple grouser shoe without Dozer.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
7.5m	kg									*2,440	*2,440	4.34
24.6ft	lb									*5,380	*5,380	(14.2)
6.0m	kg									*2,070	*2,070	5.91
19.7ft	lb									*4,560	*4,560	(19.4)
4.5m	kg					*3,420	*3,420	*3,220	2,520	*1,960	*1,960	6.81
14.8ft	lb					*7,540	*7,540	*7,100	5,560	*4,320	*4,320	(22.4)
3.0m	kg			*5,510	*5,510	*4,340	3,790	3,680	2,440	*1,980	1,770	7.30
9.8ft	lb			*12,150	*12,150	*9,570	8,360	8,110	5,380	*4,370	3,900	(23.9)
1.5m	kg			*8,570	6,470	*5,510	3,540	3,560	2,330	*2,100	1,680	7.44
4.9ft	lb			*18,890	14,260	*12,150	7,800	7,850	5,140	*4,630	3,700	(24.4)
0.0m	kg			*7,920	6,050	5,340	3,340	3,460	2,230	*2,360	1,690	7.28
0.0ft	lb			*17,460	13,340	11,770	7,360	7,630	4,920	*5,200	3,730	(23.9)
-1.5m	kg	*4,680	*4,680	*9,710	5,950	5,230	3,250	3,400	2,180	2,870	1,850	6.78
-4.9ft	lb	*10,320	*10,320	*21,410	13,120	11,530	7,170	7,500	4,810	6,330	4,080	(22.3)
-3.0m	kg	*7,710	*7,710	*9,300	6,010	5,240	3,260			3,550	2,280	5.86
-9.8ft	lb	*17,000	*17,000	*20,500	13,250	11,550	7,190			7,830	5,030	(19.2)
-4.5m	kg			*6,670	6,230					*4,510	8,180	4.24
-14.8ft	lb			*14,700	13,730					*9,940	7,560	(13.9)

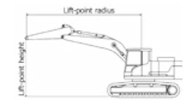
4.60 m (15' 1") boom, 3.00 m (9' 10")arm equipped with 1,900kg counter weight and 600mm(24") Triple grouser shoe with Dozer up.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
7.5m	kg									*2,440	*2,440	4.34
24.6ft	lb									*5,380	*5,380	(14.2)
6.0m	kg									*2,070	*2,070	5.91
19.7ft	lb									*4,560	*4,560	(19.4)
4.5m	kg					*3,420	*3,420	*3,220	2,680	*1,960	*1,960	6.81
14.8ft	lb					*7,540	*7,540	*7,100	5,910	*4,320	*4,320	(22.4)
3.0m	kg			*5,510	*5,510	*4,340	4,020	3,690	2,600	*1,980	1,900	7.30
9.8ft	lb			*12,150	*12,150	*9,570	8,860	8,140	5,730	*4,370	4,190	(23.9)
1.5m	kg			*8,570	6,870	*5,510	3,770	3,570	2,490	*2,100	1,800	7.44
4.9ft	lb			*18,890	15,150	*12,150	8,310	7,870	5,490	*4,630	3,970	(24.4)
0.0m	kg			*7,920	6,450	5,350	3,570	3,470	2,390	*2,360	1,820	7.28
0.0ft	lb			*17,460	14,220	11,790	7,870	7,650	5,270	*5,200	4,010	(23.9)
-1.5m	kg	*4,680	*4,680	*9,710	6,350	5,250	3,480	3,420	2,340	*2,870	1,990	6.78
-4.9ft	lb	*10,320	*10,320	*21,410	14,000	11,570	7,670	7,540	5,160	*6,330	4,390	(22.3)
-3.0m	kg	*7,710	*7,710	*9,300	6,410	5,260	3,490			3,570	2,450	5.86
-9.8ft	lb	*17,000	*17,000	*20,500	14,130	11,600	7,690			7,870	5,400	(19.2)
-4.5m	kg			*6,670	6,640					*4,510	3,960	4.24
-14.8ft	lb			*14,700	14,640					*9,940	8,730	(13.9)

4.60 m (15' 1") boom, 3.00 m (9' 10")arm equipped with 1,900kg counter weight and 600mm(24") Triple grouser shoe with Dozer down.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
7.5m	kg									*2,440	*2,440	4.34
24.6ft	lb									*5,380	*5,380	(14.2)
6.0m	kg									*2,070	*2,070	5.91
19.7ft	lb									*4,560	*4,560	(19.4)
4.5m	kg					*3,420	*3,420	*3,220	2,910	*1,960	*1,960	6.81
14.8ft	lb					*7,540	*7,540	*7,100	6,420	*4,320	*4,320	(22.4)
3.0m	kg			*5,510	*5,510	*4,340	*4,340	*3,830	2,830	*1,980	*1,980	7.30
9.8ft	lb			*12,150	*12,150	*9,570	*9,570	*8,440	6,240	*4,370	*4,370	(23.9)
1.5m	kg			*8,570	7,680	*5,510	4,130	*4,350	2,720	*2,100	1,970	7.44
4.9ft	lb			*18,890	16,930	*12,150	9,110	*9,590	6,000	*4,630	4,340	(24.4)
0.0m	kg			*7,920	7,240	*6,410	3,930	*4,790	2,620	*2,360	2,000	7.28
0.0ft	lb			*17,460	15,960	*14,130	8,660	*10,560	5,780	*5,200	4,410	(23.9)
-1.5m	kg	*4,680	*4,680	*9,710	7,130	*6,710	3,840	*4,900	2,570	*2,870	2,190	6.78
-4.9ft	lb	*10,320	*10,320	*21,410	15,720	*14,790	8,470	*10,800	5,670	*6,330	4,830	(22.3)
-3.0m	kg	*7,710	*7,710	*9,300	7,200	*6,230	3,850			*4,050	2,690	5.86
-9.8ft	lb	*17,000	*17,000	*20,500	15,870	*13,730	8,490			*8,930	5,930	(19.2)
-4.5m	kg			*6,670	*6,670					*4,510	4,360	4.24
-14.8ft	lb			*14,700	*14,700					*9,940	9,610	(13.9)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX140 L T3 MONO BOOM

4.60 m (15' 1") boom, 3.00 m (9' 10")arm equipped with 2,300kg counter weight and 600mm(24") Triple grouser shoe without Dozer.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
7.5m	kg									*2,440	*2,440	4.34
24.6ft	lb									*5,380	*5,380	(14.2)
6.0m	kg									*2,070	*2,070	5.91
19.7ft	lb									*4,560	*4,560	(19.4)
4.5m	kg					*3,420	*3,420	*3,220	2,710	*1,960	*1,960	6.81
14.8ft	lb					*7,540	*7,540	*7,100	5,970	*4,320	*4,320	(22.4)
3.0m	kg			*5,510	*5,510	*4,340	4,070	*3,830	2,630	*1,980	1,930	7.30
9.8ft	lb			*12,150	*12,150	*9,570	8,970	*8,440	5,800	*4,370	4,250	(23.9)
1.5m	kg			*8,570	6,960	*5,510	3,810	3,800	2,520	*2,100	1,820	7.44
4.9ft	lb			*18,890	15,340	*12,150	8,400	8,380	5,560	*4,630	4,010	(24.4)
0.0m	kg			*7,920	6,540	5,690	3,610	3,690	2,420	*2,360	1,850	7.28
0.0ft	lb			*17,460	14,420	12,540	7,960	8,140	5,340	*5,200	4,080	(23.9)
-1.5m	kg	*4,680	*4,680	*9,710	6,430	5,590	3,520	3,640	2,370	*2,870	2,020	6.78
-4.9ft	lb	*10,320	*10,320	*21,410	14,180	12,320	7,760	8,020	5,220	*6,330	4,450	(22.3)
-3.0m	kg	*7,710	*7,710	*9,300	6,500	5,600	3,530			3,800	2,480	5.86
-9.8ft	lb	*17,000	*17,000	*20,500	14,330	12,350	7,780			8,380	5,470	(19.2)
-4.5m	kg			*6,670	*6,670					*4,510	4,010	4.24
-14.8ft	lb			*14,700	*14,700					*9,940	8,840	(13.9)

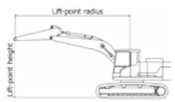
4.60 m (15' 1") boom, 3.00 m (9' 10")arm equipped with 2,300kg counter weight and 600mm(24") Triple grouser shoe with Dozer up.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
7.5m	kg									*2,420	*2,420	4.34
24.6ft	lb									*5,340	*5,340	(14.2)
6.0m	kg									*2,020	*2,020	5.91
19.7ft	lb									*4,450	*4,450	(19.4)
4.5m	kg					*3,420	*3,420	*3,220	2,870	*1,890	*1,890	6.81
14.8ft	lb					*7,540	*7,540	*7,100	6,330	*4170	*4,170	(22.4)
3.0m	kg			*5,510	*5,510	*4,340	4,290	*3,830	2,790	*1,880	*1,880	7.30
9.8ft	lb			*12,150	*12,150	*9,570	9,460	*8,440	6,150	*4,140	*4,140	(23.9)
1.5m	kg			*8,570	7,360	*5,510	4,040	3,810	2,680	*1,970	*1,970	7.44
4.9ft	lb			*18,890	16,230	*12,150	8,910	8,400	5,910	*4,340	*4,340	(24.4)
0.0m	kg			*7,920	6,940	5,710	3,840	3,710	2,580	*2,170	2,040	7.28
0.0ft	lb			*17,460	15,300	12,590	8,470	8,180	5,690	*4,780	4,500	(23.9)
-1.5m	kg	*4,680	*4,680	*9,710	6,830	5,600	3,750	3,650	2,530	*2,580	2,220	6.78
-4.9ft	lb	*10,320	*10,320	*21,410	15,060	12,350	8,270	8,050	5,580	*5,690	4,890	(22.3)
-3.0m	kg	*7,710	*7,710	*9,300	6,900	5,620	3,760			*3,480	2,720	5.86
-9.8ft	lb	*17,000	*17,000	*20,500	15,210	12,390	8,290			*7,670	6,000	(19.2)
-4.5m	kg			*6,670	*6,670					*4,500	4,290	4.24
-14.8ft	lb			*14,700	*14,700					*9,920	9,460	(13.9)

4.60 m (15' 1") boom, 3.00 m (9' 10") arm equipped with 2,300kg counter weight and 600mm(24") Triple grouser shoe with Dozer down.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
7.5m	kg									*2,440	*2,440	4.34
24.6ft	lb									*5,380	*5,380	(14.2)
6.0m	kg									*2,070	*2,070	5.91
19.7ft	lb									*4,560	*4,560	(19.4)
4.5m	kg					*3,420	*3,420	*3,220	3,110	*1,960	*1,960	6.81
14.8ft	lb					*7,540	*7,540	*7,100	6,860	*4,320	*4,320	(22.4)
3.0m	kg			*5,510	*5,510	*4,340	*4,340	*3,830	3,030	*1,980	*1,980	7.30
9.8ft	lb			*12,150	*12,150	*9,570	*9,570	*8,440	6,680	*4,370	*4,370	(23.9)
1.5m	kg			*8,570	8,200	*5,510	4,420	*4,350	2,920	*2,100	*2,100	7.44
4.9ft	lb			*18,890	18,080	*12,150	9,740	*9,590	6,440	*4,630	*4,630	(24.4)
0.0m	kg			*7,920	7,760	*6,410	4,220	*4,790	2,820	*2,360	2,150	7.28
0.0ft	lb			*17,460	17,110	*14,130	9,300	*10,560	6,220	*5,200	4,740	(23.9)
-1.5m	kg	*4,680	*4,680	*9,710	7,650	*6,710	4,120	*4,900	2,770	*2,870	2,360	6.78
-4.9ft	lb	*10,320	*10,320	*21,410	16,870	*14,790	9,080	*10,800	6,110	*6,330	5,200	(22.3)
-3.0m	kg	*7,710	*7,710	*9,300	7,720	*6,230	4,140			*4,050	2,890	5.86
-9.8ft	lb	*17,000	*17,000	*20,500	17,020	*13,730	9,130			*8,930	6,370	(19.2)
-4.5m	kg			*6,670	*6,670					*4,510	*4,510	4.24
-14.8ft	lb			*14,700	*14,700					*9,940	*9,940	(13.9)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



Rating over-front Rating over-side or 360 degree

HX140 HW MONO BOOM

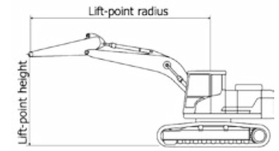
4.60 m (15' 1") boom, 2.50 m (8' 2") arm equipped with 1,900kg counter weight and 800mm(32") Triple grouser shoe without Dozer.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
7.5m	kg									*2,580	*2,580	4.06
24.6ft	lb									*5,690	*5,690	(13.3)
6.0m	kg					*3,660	*3,660			*2,130	*2,130	5.64
19.7ft	lb					*8,070	*8,070			*4,700	*4,700	(18.5)
4.5m	kg					*4,060	*4,060	*3,460	3,090	*2,010	*2,010	6.51
14.8ft	lb					*8,950	*8,950	*7,630	6,810	*4,430	*4,430	(21.4)
3.0m	kg			*7,180	*7,180	*5,020	4,600	*4,220	3,020	*2,020	*2,020	6.96
9.8ft	lb			*15,830	*15,830	*11,070	10,140	*9,300	6,660	*4,450	*4,450	(22.8)
1.5m	kg			*6,940	*6,940	*6,080	4,370	4,370	2,920	*2,150	*2,150	7.05
4.9ft	lb			*15,300	*15,300	*13,400	9,630	9,630	6,440	*4,740	*4,740	(23.1)
0.0m	kg			*7,140	*7,140	6,580	4,230	4,300	2,850	*2,450	2,400	6.82
0.0ft	lb			*15,740	*15,740	14,510	9,330	9,480	6,280	*5,400	5,290	(22.4)
-1.5m	kg	*5,530	*5,530	*9,910	7,720	6,540	4,190	4,290	2,840	*3,060	2,720	6.22
-4.9ft	lb	*12,190	*12,190	*21,850	17,020	14,420	9,240	9,460	6,260	*6,750	6,000	(20.4)
-3.0m	kg			*8,220	7,850	*5,530	4,260			*4,540	3,600	5.11
-9.8ft	lb			*18,120	17,310	*12,190	9,390			*10,010	7,940	(16.8)

4.60 m (15' 1") boom, 2.50 m (8' 2") arm equipped with 2,300kg counter weight and 800mm(32") Triple grouser shoe without Dozer.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
7.5m	kg									*2,580	*2,580	4.06
24.6ft	lb									*5,690	*5,690	(13.3)
6.0m	kg					*3,660	*3,660			*2,130	*2,130	5.64
19.7ft	lb					*8,070	*8,070			*4,700	*4,700	(18.5)
4.5m	kg					*4,060	*4,060	*3,460	3,290	*2,010	*2,010	6.51
14.8ft	lb					*8,950	*8,950	*7,630	7,250	*4,430	*4,430	(21.4)
3.0m	kg			*7,180	*7,180	*5,020	4,880	*4,220	3,210	*2,020	*2,020	6.96
9.8ft	lb			*15,830	*15,830	*11,070	10,760	*9,300	7,080	*4,450	*4,450	(22.8)
1.5m	kg			*6,940	*6,940	*6,080	4,650	4,610	3,120	*2,150	*2,150	7.05
4.9ft	lb			*15,300	*15,300	*13,400	10,250	10,160	6,880	*4,740	*4,740	(23.1)
0.0m	kg			*7,140	*7,140	*6,690	4,510	4,540	3,050	*2,450	*2,450	6.82
0.0ft	lb			*15,740	*15,740	*14,750	9,940	10,010	6,720	*5,400	*5,400	(22.4)
-1.5m	kg	*5,530	*5,530	*9,910	8,220	*6,620	4,470	4,520	3,040	*3,060	2,910	6.22
-4.9ft	lb	*12,190	*12,190	*21,850	18,120	*14,590	9,850	9,960	6,700	*6,750	6,420	(20.4)
-3.0m	kg			*8,220	*8,220	*5,530	4,540			*4,540	3,840	5.11
-9.8ft	lb			*18,120	*18,120	*12,190	10,010			*10,010	8,470	(16.8)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



HX140 L

LIFTING CAPACITY

Rating over-front Rating over-side or 360 degree

HX140L HW MONO BOOM

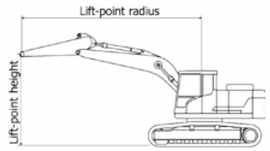
4.60 m (15' 1") boom, 3.00 m (9' 10") arm equipped with 1,900kg counter weight and 800mm(32") Triple grouser shoe without Dozer.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
7.5m	kg					*2,690	*2,690			*2,330	*2,330	4.70
24.6ft	lb					*5,930	*5,930			*5,140	*5,140	(15.4)
6.0m	kg							*2,310	*2,310	*2,030	*2,030	6.12
19.7ft	lb							*5,090	*5,090	*4,480	*4,480	(20.1)
4.5m	kg					*3,550	*3,550	*3,360	3,130	*1,950	*1,950	6.93
14.8ft	lb					*7,830	*7,830	*7,410	6,900	*4,300	*4,300	(22.7)
3.0m	kg			*6,080	*6,080	*4,550	*4,550	*3,920	3,040	*1,990	*1,990	7.35
9.8ft	lb			*13,400	*13,400	*10,030	*10,030	*8,640	6,700	*4,390	*4,390	(24.1)
1.5m	kg			*9,020	8,060	*5,710	4,410	4,390	2,930	*2,140	*2,140	7.44
4.9ft	lb			*19,890	17,770	*12,590	9,720	9,680	6,460	*4,720	*4,720	(24.4)
0.0m	kg			*8,000	7,710	*6,520	4,230	4,290	2,840	*2,430	2,210	7.22
0.0ft	lb			*17,640	17,000	*14,370	9,330	9,460	6,260	*5,360	4,870	(23.7)
-1.5m	kg	*5,170	*5,170	*10,210	7,640	6,500	4,150	4,250	2,810	*3,010	2,450	6.65
-4.9ft	lb	*11,400	*11,400	*22,510	16,840	14,330	9,150	9,370	6,190	*6,640	5,400	(21.8)
-3.0m	kg	*8,400	*8,400	*8,970	7,730	*6,030	4,180			*4,450	3,100	5.63
-9.8ft	lb	*18,520	*18,520	*19,780	17,040	*13,290	9,220			*9,810	6,830	(18.5)

4.60 m (15' 1") boom, 3.00 m (9' 10") arm equipped with 2,300kg counter weight and 800mm(32") Triple grouser shoe without Dozer.

Lift point height m (ft)		Lift-point radius								At max. reach		
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		Capacity		Reach
												m (ft)
7.5m	kg					*2,690	*2,690			*2,330	*2,330	4.70
24.6ft	lb					*5,930	*5,930			*5,140	*5,140	(15.4)
6.0m	kg							*2,310	*2,310	*2,030	*2,030	6.12
19.7ft	lb							*5,090	*5,090	*4,480	*4,480	(20.1)
4.5m	kg					*3,550	*3,550	*3,360	3,330	*1,950	*1,950	6.93
14.8ft	lb					*7,830	*7,830	*7,410	7,340	*4,300	*4,300	(22.7)
3.0m	kg			*6,080	*6,080	*4,550	*4,550	*3,920	3,240	*1,990	*1,990	7.35
9.8ft	lb			*13,400	*13,400	*10,030	*10,030	*8,640	7,140	*4,390	*4,390	(24.1)
1.5m	kg			*9,020	8,560	*5,710	4,690	*4,440	3,130	*2,140	*2,140	7.44
4.9ft	lb			*19,890	18,870	*12,590	10,340	*9,790	6,900	*4,720	*4,720	(24.4)
0.0m	kg			*8,000	*8,000	*6,520	4,510	4,530	3,040	*2,430	2,360	7.22
0.0ft	lb			*17,640	*17,640	*14,370	9,940	9,990	6,700	*5,360	5,200	(23.7)
-1.5m	kg	*5,170	*5,170	*10,210	8,140	*6,690	4,430	4,490	3,000	*3,010	2,630	6.65
-4.9ft	lb	*11,400	*11,400	*22,510	17,950	*14,750	9,770	9,900	6,610	*6,640	5,800	(21.8)
-3.0m	kg	*8,400	*8,400	*8,970	8,230	*6,030	4,460			*4,450	3,310	5.63
-9.8ft	lb	*18,520	*18,520	*19,780	18,140	*13,290	9,830			*9,810	7,300	(18.5)

1. Lifting capacity are based on ISO 10567.
2. Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
3. The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



HX140 L

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS



SAE heaped	*0.51 (0.67)	0.64 (0.84)	0.76 (0.99)
m^3 (yd^3)	0.59 (0.77)		

Capacity m^3 (yd^3)		Width mm (in)		Weight kg (lb)	Tooth (EA)	Recommendation mm (ft.in)			
						4,600 (15' 1") Boom			
						1,900 kg CWT		2,300 kg CWT	
SAE Heaped	CECE Heaped	Without Side Cutters	With Side Cutters			2,500 (8' 2") Arm	3,000 (9' 10") Arm	2,500 (8' 2") Arm	3,000 (9' 10") Arm
*0.51 (0.67)	0.45 (0.59)	865 (34.1")	995 (39.2")	395 (870)	5	●	●	●	●
0.59 (0.77)	0.51 (0.67)	955 (37.6")	1,085 (42.7")	415 (910)	5	●	◐	●	●
0.64 (0.84)	0.55 (0.72)	1,040 (40.9")	1,170 (46.1")	440 (970)	5	●	◐	●	●
0.76 (0.99)	0.65 (0.85)	1,215 (47.8")	1,345 (53.0")	490 (1,080)	6	■	■	◐	■

*Standard bucket

● : Applicable for materials with density of 2,100 kg/m^3 (3,500 lb/yd^3) or less
◐ : Applicable for materials with density of 1,800 kg/m^3 (3,000 lb/yd^3) or less
■ : Applicable for materials with density of 1,500 kg/m^3 (2,500 lb/yd^3) or less
▲ : Applicable for materials with density of 1,200 kg/m^3 (2,000 lb/yd^3) or less
- : Not Recommended

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design.
4.60 m boom and 2.5 m, 3.0 m arms are available.

DIGGING FORCE

Boom	Length	mm (ft.in)	4,600 (15' 1")			Remark
	Weight	kg (lb)	1,040 (2,290)			
Arm	Length	mm (ft.in)	2,500 (8' 2")	3,000 (9' 10")		
	Weight	kg (lb)	640 (1,410)	680 (1,500)		
Bucket Digging Force	SAE	kN	94.3 [102.4]	94.3 [102.4]		[ ]: Power Boost
		kgf	9,620 [10,440]	9,620 [10,440]		
		lbf	21,200 [23,020]	21,200 [23,020]		
	ISO	kN	111.4 [121.0]	111.4 [121.0]		
		kgf	11,360 [12,330]	11,360 [12,330]		
		lbf	25,050 [27,190]	25,040 [27,190]		
Arm Crowd Force	SAE	kN	62.0 [67.4]	57.0 [61.9]		
		kgf	6,320 [6,870]	5,810 [6,310]		
		lbf	13,940 [15,140]	12,810 [13,910]		
	ISO	kN	64.6 [70.1]	59.1 [64.1]		
		kgf	6,590 [7,150]	6,020 [6,540]		
		lbf	14,520 [15,770]	13,280 [14,410]		

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

HX140 L

STANDARD / OPTION

ENGINE	STD	OPT
Cummins QSB4.5		
Engine Auto Idle	●	
Engine Auto Shutdown Control		●
Emergency Engine Stop Switch	●	
HYDRAULIC SYSTEM		
INTELLIGENT POWER CONTROL (IPC) UPGRADE		
3-Power Mode, 2-Work Mode, User Mode	●	
Variable Power Control	●	
Pump Flow Control	●	
Attachment Mode Flow Control		●
CAB & INTERIOR		
ISO STANDARD CABIN		
Rise-Up Type Windshield Wiper	●	
Radio / USB Player	●	
12V Power Outlet (24V DC to 12V DC converter)	●	
Electric Horn	●	
All-Weather Steel Cab with 360°Visibility	●	
Safety glass - Tempered glass	●	
Safety glass - Tempered glass with front laminated glass		●
Sliding Fold-In Front Window	●	
Sliding Side Window (LH)	●	
Lockable Door	●	
Hot & Cool Box	●	
Storage Compartment & Ashtray	●	
Sun Visor	●	
Door And Cab Locks, One Key	●	
Cabin Lights		●
Cabin Front Window Rain Guard		●
Transparent Cabin Roof-Cover	●	
Cabin Roof-Steel Cover		●
Pilot-Operated Slidable Joystick	●	
AUTOMATIC CLIMATE CONTROL		
Air conditioner & heater	●	
Defroster	●	
Starting Aid (air grid heater) for cold weather	●	
CENTRALIZED MONITORING		
8" LCD Display - Normal type	●	
8" LCD Display - Premium type		●
Engine Speed or Trip Meter / Accel.	●	
Engine Coolant Temperature Gauge	●	
Max Power	●	
Low Speed / High Speed	●	
Auto Idle	●	
Overload warning with alarm		●
Air Cleaner Clogging	●	
Indicators	●	
ECO Gauges	●	
Fuel Level Gauge	●	
Hyd. Oil Temperature Gauge	●	
Fuel Warmer	●	
Warnings	●	
Communication Error	●	
Low Battery	●	
Clock	●	
SEAT		
Mechanical suspension without heater		●
Mechanical suspension with heater	●	
Adjustable air suspension without heater		●
Adjustable air suspension with heater		●
CABIN FOPS (ISO 10262) LEVEL 2		
FOPS (Falling Object Protective Structure)·ISO 10262 Level 2 — Front & Top guard		●
FOPS (Falling Object Protective Structure)·ISO 10262 Level 2 — Top guard		●
CABIN ROPS		
ROPS (Roll Over Protective Structures)·ISO 12117-2		●

SAFETY	STD	OPT
Battery Master Switch	●	
Rear View Camera		●
Rear & Mirror View Camera		●
AAVM (Advanced Around View Monitoring)		●
Four Front Working Lights (2 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	●	
General Type Guardrail	●	
Guardrail - Boxing Ring		●
ATTACHMENT		
BOOMS		
4.60m, 15' 1" Mono	●	
ARMS		
2.50m, 8' 2"	●	
3.00m, 9' 10"		●
OTHERS		
Fuel Pre-Filter (w/o Warmer)		●
Fuel Pre-Filter (with Single Warmer)		●
Fuel Pre-Filter (with Dual Warmer)		●
Pre-Cleaner		●
Self-Diagnostics System	●	
Hi MATE (Remote Management System)		●
Batteries (2 × 12 V × 100 AH)	●	
Fuel Filler Pump (35 lpm)		●
Single-Acting Piping Kit (Breaker, Etc.)		●
Double-Acting Piping Kit (Clamshell, Etc.)		●
Proportional Auxiliary Hydraulic System		●
Rotating Piping Kit		●
Quick Coupler Piping		●
Quick Coupler		●
Accumulator For Lowering Work Equipment	●	
Pattern Change Valve (2 Patterns)		●
Fine (Cushion) Swing Control		●
Tool Kit		●
COUNTERWEIGHT		
Lower Frame Under Cover	●	
Dozer Blade		●
UNDERCARRIAGE		
Lower frame under cover	●	
Dozer Blade		●
TRACK SHOES		
Triple Grousers Shoes (500 mm, 20")		●
Triple Grousers Shoes (600 mm, 24")	●	
Triple Grousers Shoe (700 mm, 28")		●
Triple Grousers Shoe (700 mm, 28") - H/C Frame		●
Triple Grousers Shoe (800 mm, 32") - H/C Frame		●
Track Guard	●	
Full Track Guard - H/C Frame		●

* 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.

HX140 L

MEMO