

MOVING YOU FURTHER

HX180 L

With Tier 4 final / Stage IV Engine installed



*Photo may include optional equipment.

Net Power

SAE J1349 / 96 kW (128 HP) at 2,050 rpm

Gross Power

SAE J1995 / 102.1 kW (137 HP) at 2,050 rpm

Travel Speed

5.3 km/hr (3.3 mph) / 3.2 km/hr (2.0 mph)

Operating Weight

18,800 kg / 41,450 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
- Electronic Viscous Fan Clutch
- Attachment Flow Control (Option)
- New Cooling System with Increased Air Flow
- Enlarged Air Inlet with Grill Cover
- 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
- Hi-grade (High-pressure) Hoses



INFOTAINMENT FRONTIER

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



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) (Option)
- Swing Lock System (Option)
- Fine Swing Control (Option)



*Photo may include optional equipment.



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Cycle Time Improvement

The HX Series provides higher productivity on the site by faster operation: it loads trucks up to 4% faster and levels up to 12% faster than the 9 Series.

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.

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.

Electronic Viscous Fan Clutch

The electronic fan clutch reduces noise during operation by precisely controlling RPM depending on the hydraulic oil and coolant temperature of the working vehicle, and minimizes fuel consumption. It is also possible to shorten the warm up time of hydraulic oil.



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 three-floor stacked cooling module improving air inflow, the 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.

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.



Durable Cooling Module

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



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.



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.



*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.



New Air Conditioning System

With further improved air conditioning and heating, the HX Series increases the APTC capacity by 15% to provide a pleasant environment for operators all the time. The ventilation was designed such that warm and cool air even reach operators' faces (increasing their work satisfaction) or allowing pleasant working environment.

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 HW 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, lamps, overload warnings, travel alarm and inclination sensor also maximize operator's convenience.

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

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.



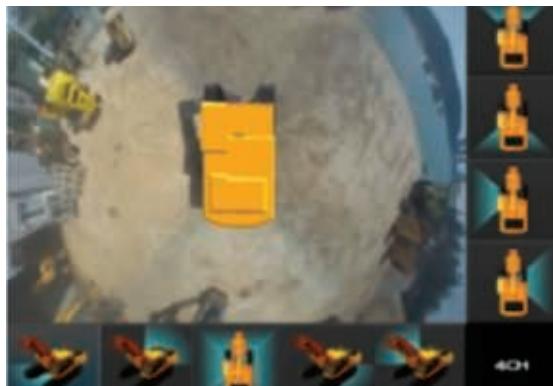
New Audio System

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.

MODERN COMFORT, SIMPLE AND SAFE SOLUTION

New Cabin for More Comfort

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

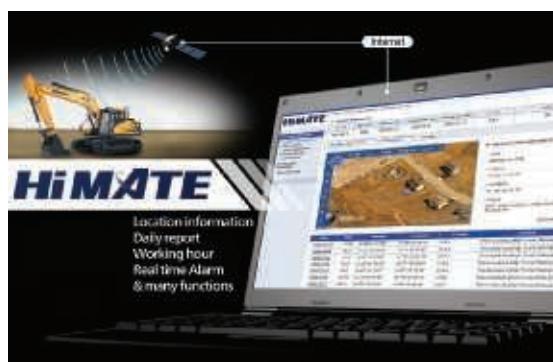


AAVM (Advanced Around View Monitoring) Camera System (Option)

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

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

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



Easy Access to DEF/AdBlue® Supply System

The DEF/AdBlue® tank is installed inside the tool box and its inlet is remotely located for easy access and convenient supply. Warning of overfill is given by a red lamp signal. The DEF/AdBlue® supply module is attached on the side of the fuel tank for easy maintenance and filter replacement.

Hi MATE (Remote Management System)

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

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



*Photo may include optional equipment.

Swing Lock System (Option)

Swing Lock System is provided to maintain stability when swing movement needs to be limited, improving operating speed and productivity.

Fine Swing Control (Option)

Fine swing control is available for customer's convenience when users want to control fine swing.

SPECIFICATIONS

ENGINE		CONTROL						
Maker / Model		Perkins / 1204F						
Type		Water-cooled, 4-cycle diesel, 4-cylinder in-line, Direct injection, Turbocharged, Charge and air cooled						
Rated flywheel horse power	SAE	J1995 (gross)	102.1 kW (137 HP) at 2,050 rpm					
	DIN	J1349 (net)	96 kW (128 HP) at 2,050 rpm					
6271/1 (gross)		102.1 kW (139 PS) at 2,050 rpm						
		6271/1 (net)	96 kW (130 PS) at 2,050 rpm					
Max. torque		57.1 kgf·m (413 lbf·ft) at 1,400 rpm						
Bore x stroke		105 x 127 mm (4.13" x 5.0")						
Piston displacement		4,400 cc (268.5 cu in)						
Batteries		2 x 12 V x 100 Ah						
Starting motor		24 V - 4.5 kW						
Alternator		24 V - 100 A						
HYDRAULIC SYSTEM								
MAIN PUMP								
Type	Two variable displacement piston pumps							
Max. flow	2 x 164 l/min (43.3 US gpm / 36.1 UK 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	350 kgf/cm ² (4,980 psi)							
Travel	350 kgf/cm ² (4,980 psi)							
Power boost (boom, arm, bucket)	380 kgf/cm ² (5,400 psi)							
Swing circuit	285 kgf/cm ² (4,054 psi)							
Pilot circuit	40 kgf/cm ² (570 psi)							
Service valve	Installed							
HYDRAULIC CYLINDERS								
No. of cylinder bore x stroke	Boom: 2 - 115 x 1,090 mm (4.5" x 42.9")							
	Arm: 1 - 120 x 1,355 mm (4.7" x 53.3")							
	Bucket: 1 - 110 x 995 mm (4.3" x 39.2")							
	Dozer Blade: 2 - 110 x 320 mm (4.3" x 12.6")							
	2-Piece	1st: 2 - 115 x 960 mm (4.5" x 37.8")						
	Boom	2nd: 1 - 160 x 650 mm (6.3" x 25.6")						
DRIVES & BRAKES								
Drive method	Fully hydrostatic type							
Drive motor	Two speed axial pistons motor							
Reduction system	Planetary reduction gear							
Max. drawbar pull	17,000 kgf (37,500 lbf)							
Max. travel speed (high / low)	5.3 km/hr (3.3 mph) / 3.2 km/hr (2.0 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)							
SWING SYSTEM								
Swing motor	Axial piston motor							
Swing reduction	Planetary gear reduction							
Swing bearing lubrication	Grease-bathed							
Swing brake	Multi wet disc							
Swing speed	10.3 rpm							
SERVICE REFILL CAPACITIES								
Re-filling	liter	US gal	UK gal					
Fuel tank	290	76.6	63.8					
Engine coolant	27.5	7.3	6.0					
Engine oil	10.5	2.8	2.3					
Swing device - gear oil	6.2	1.6	1.4					
Final drive (each) - gear oil	5.8	1.5	1.3					
Hydraulic system (including tank)	240	63.4	52.8					
Hydraulic tank	125	33.0	27.5					
DEF/AdBlue® tank	19	5.0	4.2					
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	51 EA							
No. of carrier roller on each side	2 EA							
No. of track roller on each side	7 EA							
No. of rail guard on each side	1 EA							
OPERATING WEIGHT (APPROXIMATE)								
Operating weight, including 5,100 mm (16' 9") boom; 2,600 mm (8' 6") arm; SAE heaped 0.76 m ³ (0.99 yd ³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipments.								
OPERATING WEIGHT								
Shoes	Operating weight		Ground pressure					
Type	Width mm (in)	kg (lb)	kgf / cm ² (psi)					
500 (20")	HX180L	18,540 (40,870)	0.51 (7.25)					
	HX180LD	19,440 (42,860)	0.54 (7.68)					
	HX180NL	18,440 (40,650)	0.51 (7.25)					
600 (24")	HX180L	18,800 (41,450)	0.43 (6.11)					
	HX180LD	19,700 (43,430)	0.45 (6.40)					
	HX180NL	18,700 (41,230)	0.43 (6.11)					
Triple grouser 700 (28")	HX180L	19,050 (42,000)	0.38 (5.40)					
	HX180LD	19,950 (43,980)	0.39 (5.55)					
	HX180NL	18,950 (41,780)	0.37 (5.26)					
800 (32")	HX180L	19,310 (42,570)	0.33 (4.69)					
	HX180LD	20,210 (44,560)	0.35 (4.98)					
	HX180NL	19,210 (42,350)	0.33 (4.69)					

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS



SAE heaped m³ (yd³)	0.39 (0.51)	0.50 (0.65)	0.64 (0.84) 0.70 (0.92) 0.76 (0.99)	0.89 (1.16) 1.05 (1.37)	◆ 0.69 (0.90)	◎ 0.75 (0.98)
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Capacity m³ (yd³)	Width mm (in)	Weight kg (lb)	Recommendation mm (ft.in)				
			5,100 (16' 9") Mono-Boom			5,100 (16' 9") 2-Piece boom	
			2,200 (7' 3") Arm	2,600 (8' 6") Arm	3,100 (10' 2") Arm	2,200 (7' 3") Arm	2,600 (8' 6") Arm
0.39 (0.51)	0.34 (0.44)	410 (900)	●	●	●	●	●
0.50 (0.65)	0.44 (0.58)	470 (1,040)	●	●	●	●	●
0.64 (0.84)	0.55 (0.72)	510 (1,120)	●	●	■	●	●
0.70 (0.92)	0.60 (0.78)	600 (1,320)	●	●	■	●	■
0.76 (0.99)	0.65 (0.85)	620 (1,370)	●	■	▲	■	▲
0.89 (1.16)	0.77 (1.01)	610 (1,340)	■	▲	-	■	▲
1.05 (1.37)	0.90 (1.18)	680 (1,500)	▲	▲	-	▲	-
◆ 0.69 (0.90)	0.62 (0.81)	720 (1,590)	●	■	▲	■	▲
◆ 0.75 (0.98)	0.65 (0.85)	540 (1,190)	●	■	■	●	■

◆ Heavy duty bucket

◎ Ditching bucket

● : Applicable for materials with density of 2,000 kg/m³ (3,370 lb/yd³) or less

■ : Applicable for materials with density of 1,600 kg/m³ (2,700 lb/yd³) or less

▲ : Applicable for materials with density of 1,100 kg/m³ (1,850 lb/yd³) or less

ATTACHMENT

Booms and arms are welded with a low-stress, full-box section design.

5.1 m (16' 9") Mono-boom and 5.1 m (16' 9") 2-Piece boom and 2.20 m (7' 3"); 2.60 m (8' 6") & 3.1 m (10' 2") Arms are available.

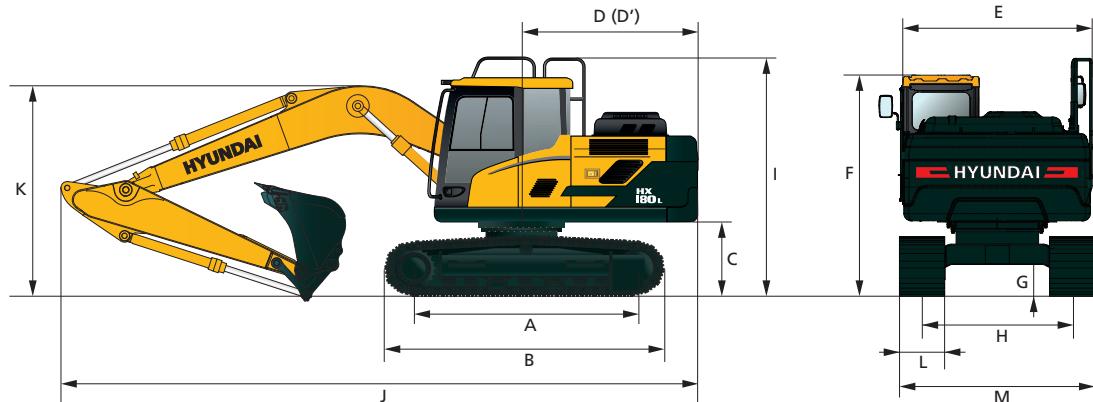
DIGGING FORCE						
Arm	Length	mm (ft.in)	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")	Remarks:
	Weight	kg (lb)	750 (1,560)	810 (1,790)	890 (1,960)	
Bucket digging force	SAE	kN	107.9 [117.2]	107.9 [117.2]	107.9 [117.2]	[]: Power Boost
		kgf	11,000 [11,940]	11,000 [11,940]	11,000 [11,940]	
		lbf	24,250 [26,330]	24,250 [26,330]	24,250 [26,330]	
	ISO	kN	123.6 [134.2]	123.6 [134.2]	123.6 [134.2]	
		kgf	12,600 [13,680]	12,600 [13,680]	12,600 [13,680]	
		lbf	27,780 [30,160]	27,780 [30,160]	27,780 [30,160]	
Arm crowd force	SAE	kN	87.2 [94.7]	77.3 [83.9]	69.0 [74.9]	
		kgf	8,890 [9,650]	7,880 [8,560]	7,030 [7,630]	
		lbf	19,600 [21,280]	17,370 [18,860]	15,500 [16,830]	
	ISO	kN	91.0 [98.8]	80.3 [87.2]	71.4 [77.5]	
		kgf	9,280 [10,080]	8,190 [8,890]	7,280 [7,900]	
		lbf	20,460 [22,210]	18,060 [19,600]	16,050 [17,430]	

Note : Arm weight includes bucket cylinder, linkage and pin

DIMENSIONS & WORKING RANGE

HX180 L MONO-BOOM DIMENSIONS

5.1 m (16' 9") Mono-boom and 2.2 m (7' 3"); 2.6 m (8' 6") & 3.1 m (10' 2") Arm.

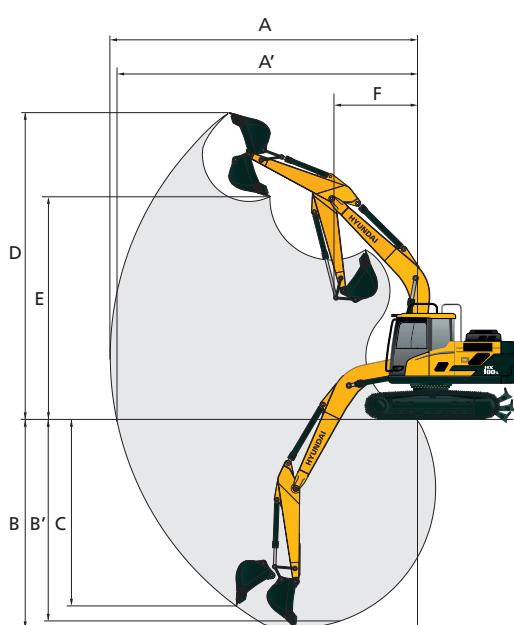


Unit : mm (ft-in)

A	Tumbler distance	3,360 (11' 0")
B	Overall length of crawler	4,116 (13' 6")
C	Ground clearance of counterweight	1,055 (3' 6")
D	Tail swing radius	2,480 (8' 2")
D'	Rear-end length	2,480 (8' 2")
E	Overall width of upperstructure	2,475 (8' 1")
F	Overall height of cab	2,980 (9' 9")
G	Min. ground clearance	460 (1' 6")
H	Track gauge	2,250 (7' 5")
I	Overall height of guardrail	3,235 (10' 7")

Boom length	5,100 (16' 9")	2,600 (8' 6")	3,100 (10' 2")
Arm length	2,200 (7' 3")	8,650 (28' 5")	8,650 (28' 5")
J	Overall length	8,650 (28' 5")	8,650 (28' 5")
K	Overall height of boom	2,990 (9' 10")	3,150 (10' 4")
L	Track shoe width	700 (28")	800 (32")
M	Overall width	2,950 (9' 8")	3,050 (10' 0")

HX180 L MONO-BOOM WORKING RANGE



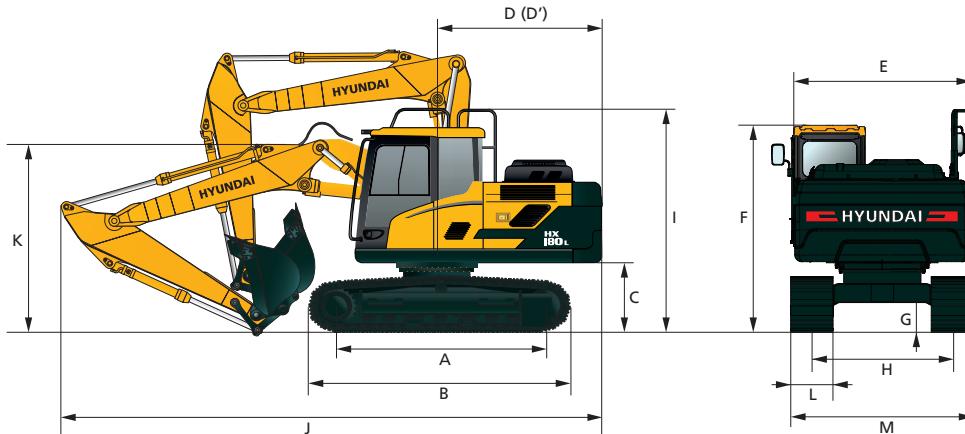
Unit : mm (ft-in)

Boom length	5,100 (16' 9")	2,600 (8' 6")	3,100 (10' 2")
Arm length	2,200 (7' 3")	9,020 (29' 7")	9,450 (31' 0")
A	Max. digging reach	8,690 (28' 6")	8,860 (29' 1")
A'	Max. digging reach on ground	8,530 (27' 12")	9,300 (30' 6")
B	Max. digging depth	5,660 (18' 7")	6,060 (19' 11")
B'	Max. digging depth (8' level)	5,430 (17' 10")	5,850 (19' 2")
C	Max. vertical wall digging depth	5,120 (16' 10")	5,380 (17' 8")
D	Max. digging height	8,750 (28' 8")	8,840 (29' 0")
E	Max. dumping height	6,110 (20' 1")	6,220 (20' 5")
F	Min. front swing radius	3,180 (10' 5")	3,170 (10' 5")

DIMENSIONS & WORKING RANGE

HX180 L 2-PIECE BOOM DIMENSIONS

5.1 m (16' 9") 2-piece boom and 2.2 m (7' 3"); 2.6 m (8' 6") Arm.

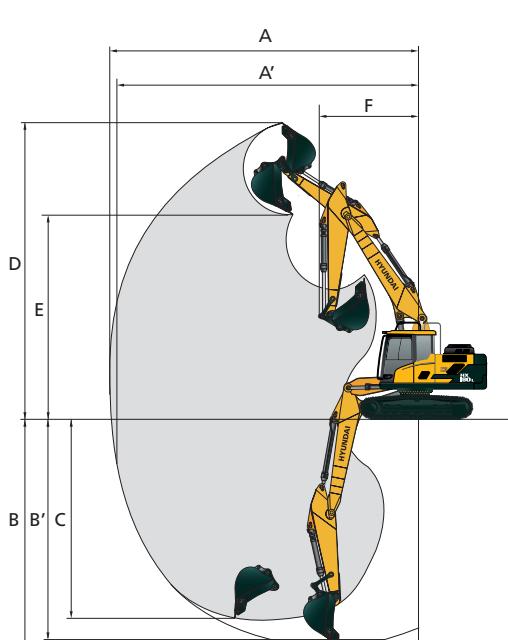


Unit : mm (ft-in)

A	Tumbler distance	3,360 (11' 0")
B	Overall length of crawler	4,116 (13' 6")
C	Ground clearance of counterweight	1,055 (3' 6")
D	Tail swing radius	2,480 (8' 2")
D'	Rear-end length	2,480 (8' 2")
E	Overall width of upperstructure	2,475 (8' 1")
F	Overall height of cab	2,980 (9' 9")
G	Min. ground clearance	460 (1' 6")
H	Track gauge	2,000 (6' 7")
I	Overall height of guardrail	3,235 (10' 7")

Boom length	5,100 (16' 9")		
Arm length	2,200 (7' 3")	2,600 (8' 6")	
J	Overall length	8,610 (28' 3")	8,610 (28' 3")
K	Overall height of boom	3,040 (9' 12")	3,060 (10' 0")
L	Track shoe width	500 (20")	600 (24")
		700 (28")	800 (32")
M	Overall width	2,750 (9' 0")	2,850 (9' 4")
		2,950 (9' 8")	3,050 (10' 0")

HX180 L 2-PIECE BOOM WORKING RANGE



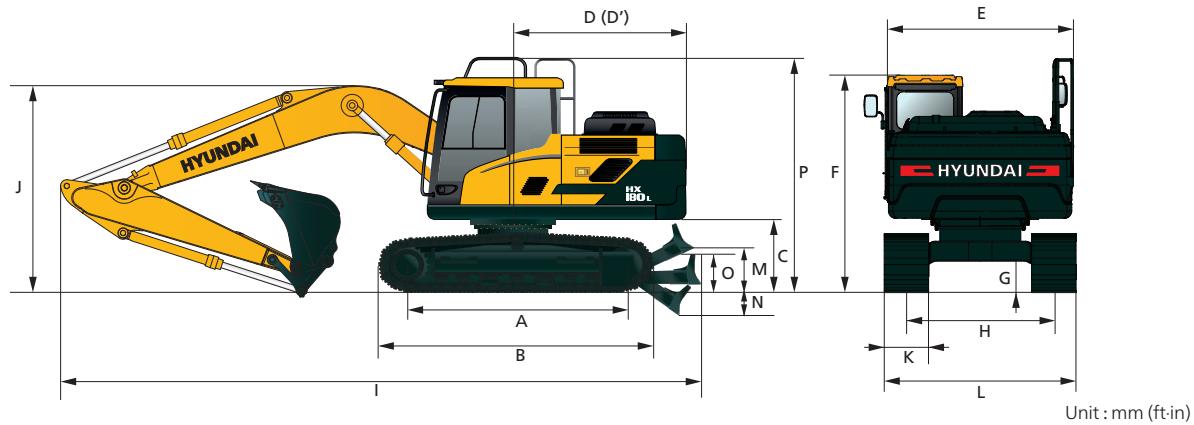
Unit : mm (ft-in)

Boom length	5,100 (16' 9") 2-piece boom	
Arm length	2,200 (7' 3")	2,600 (8' 6")
A	Max. digging reach	8,690 (28' 6")
A'	Max. digging reach on ground	8,530 (27' 12")
B	Max. digging depth	5,660 (18' 7")
B'	Max. digging depth (8' level)	5,430 (17' 10")
C	Max. vertical wall digging depth	5,120 (16' 10")
D	Max. digging height	8,750 (28' 8")
E	Max. dumping height	6,110 (20' 10")
F	Min. front swing radius	3,180 (10' 5")
		4,980 (16' 4")
		9,610 (31' 6")
		6,910 (22' 8")
		2,970 (9' 9")

DIMENSIONS & WORKING RANGE

HX180 LD MONO-BOOM DIMENSIONS

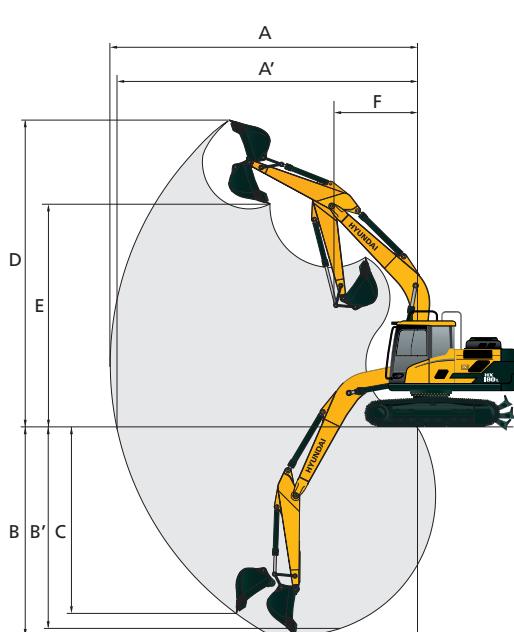
5.1 m (16' 9") Mono-boom and 2.2 m (7' 3"); 2.6 m (8' 6") & 3.1 m (10' 2") Arm.



A	Tumbler distance	3,360 (11' 0")
B	Overall length of crawler	4,116 (13' 6")
C	Ground clearance of counterweight	1,055 (3' 6")
D	Tail swing radius	2,480 (8' 2")
D'	Rear-end length	2,480 (8' 2")
E	Overall width of upperstructure	2,475 (8' 1")
F	Overall height of cab	2,980 (9' 9")
G	Min. ground clearance	460 (1' 6")
H	Track gauge	2,250 (7' 5")
M	Ground clearance of Dozer blade up	615 (2' 0")
N	Depth of dozer blade down	675 (2' 3")
O	Height of dozer blade	640 (2' 1")
P	Overall height of guardrail	3,235 (10' 7")

Boom length	5,100 (16' 9")		
Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
I Overall length	9,110 (29' 11")	9,100 (29' 10")	9,100 (29' 10")
J Overall height of boom	3,010 (9' 11")	2,990 (9' 10")	3,150 (10' 4")
K Track shoe width	500 (20")	600 (24")	700 (28")
L Overall width	2,750 (9' 1")	2,850 (9' 5")	2,950 (9' 9")

HX180 LD MONO-BOOM WORKING RANGE

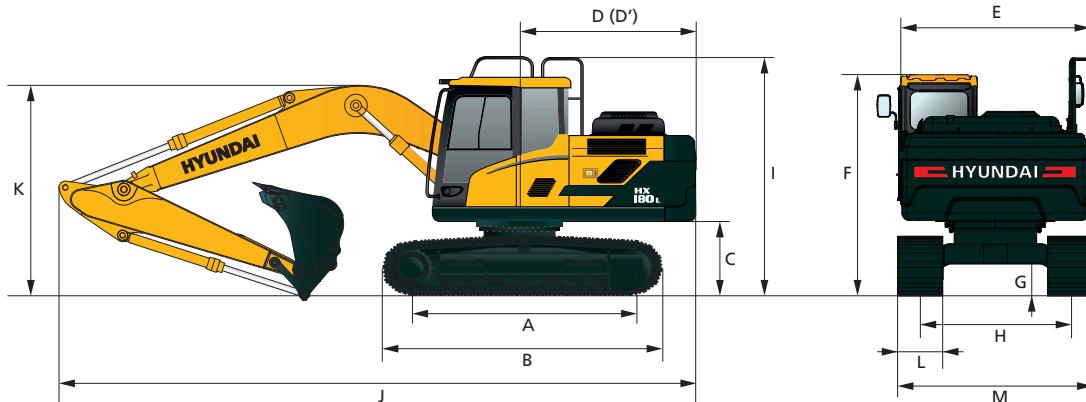


Boom length	5,100 (16' 9")		
Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
A Max. digging reach	8,690 (28' 6")	9,020 (29' 7")	9,450 (31' 0")
A' Max. digging reach on ground	8,530 (27' 12")	8,860 (29' 1")	9,300 (30' 6")
B Max. digging depth	5,660 (18' 7")	6,060 (19' 11")	6,560 (21' 6")
B' Max. digging depth (8' level)	5,430 (17' 10")	5,850 (19' 2")	6,370 (20' 11")
C Max. vertical wall digging depth	5,120 (16' 10")	5,380 (17' 8")	5,710 (18' 9")
D Max. digging height	8,750 (28' 8")	8,840 (29' 0")	8,980 (29' 6")
E Max. dumping height	6,110 (20' 1")	6,220 (20' 5")	6,390 (21' 0")
F Min. front swing radius	3,180 (10' 5")	3,170 (10' 5")	3,170 (10' 5")

DIMENSIONS & WORKING RANGE

HX180 NL MONO-BOOM DIMENSIONS

5.1 m (16' 9") Mono-boom and 2.2 m (7' 3"); 2.6 m (8' 6") Arm.



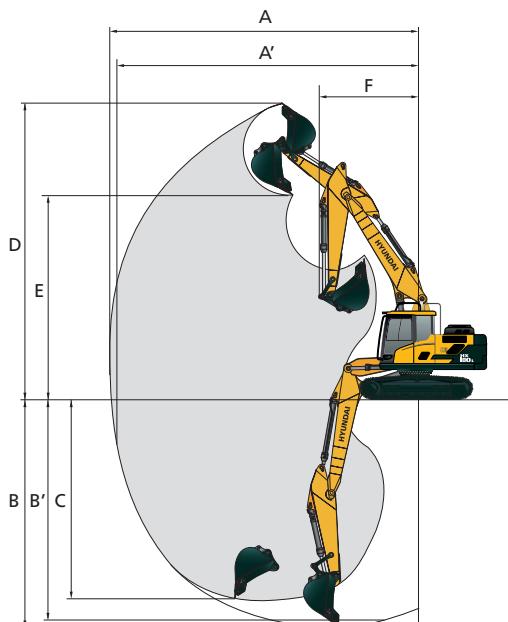
Unit : mm (ft-in)

A	Tumbler distance	3,360 (11' 0")
B	Overall length of crawler	4,116 (13' 6")
C	Ground clearance of counterweight	1,055 (3' 6")
D	Tail swing radius	2,480 (8' 2")
D'	Rear-end length	2,480 (8' 2")
E	Overall width of upperstructure	2,475 (8' 1")
F	Overall height of cab	2,980 (9' 9")
G	Min. ground clearance	460 (1' 6")
H	Track gauge	2,250 (7' 5")
I	Overall height of guardrail	3,235 (10' 7")

Boom length	5,100 (16' 9")	
Arm length	2,200 (7' 3")	2,600 (8' 6")
J	Overall length	3,100 (10' 2")
K	Overall height of boom	8,650 (28' 5")
L	Overall height of cab	8,650 (28' 5")
M	Overall width	3,150 (10' 4")
L	Track shoe width	500 (20")
M	Overall width	600 (24")
		700 (28")

HX180 NL MONO-BOOM WORKING RANGE

Unit : mm (ft-in)



Boom length	5,100 (16' 9")	
Arm length	2,200 (7' 3")	2,600 (8' 6")
A	Max. digging reach	3,100 (10' 2")
A'	Max. digging reach on ground	8,690 (28' 6")
B	Max. digging depth	9,020 (29' 7")
B'	Max. digging depth (8' level)	9,450 (31' 0")
C	Max. digging depth (2' level)	8,860 (29' 1")
D	Max. vertical wall digging depth	9,300 (30' 6")
E	Max. digging height	5,660 (18' 7")
F	Max. dumping height	6,060 (19' 11")
		6,560 (21' 6")
		6,370 (20' 11")
		5,710 (18' 9")
		6,390 (21' 0")
		3,170 (10' 5")

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX180 L MONO-BOOM

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

Load point height m (ft)		Load radius								At max. reach	
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		Capacity	Reach
										m (ft)	
7.5 m (25 ft)	kg lb									*3700 *8160	5.60 (18.4)
6.0 m (20 ft)	kg lb									*3620 *7980	2950 6500
4.5 m (15 ft)	kg lb					*4530 *9990	*4530 *9990	*4060 *8950	3750 8270	*3640 *8020	2400 5290
3.0m (10 ft)	kg lb			*9050 *19950	*9050 *19950	*5750 *12680	5710 12590	*4550 *10030	3610 7960	3400 7500	2150 4740
1.5 m (5 ft)	kg lb					*6980 *15390	5340 17770	*5110 *11270	3440 7580	3320 7320	2080 4590
Ground Line	kg lb			*7160 *15790	*7160 *15790	*7630 *16820	5120 11290	5330 11750	3320 7320	3470 7650	2170 4780
-1.5 m (-5 ft)	kg lb	*7070 *15590	*7070 *15590	*11190 *24670	9860 21740	*7540 *16620	5050 11130	5280 11640	3280 7230	*3920 *8640	2480 5470
-3.0 m (-10 ft)	kg lb	*11260 *24820	*11260 *24820	*9570 *21100	*9570 *21100	*6620 *14590	5110 11270			*3710 *8180	3280 7230
-4.5 m (-15 ft)	kg lb			*6220 *13710	*6220 *13710						

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

Load point height m (ft)		Load radius								At max. reach	
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		Capacity	Reach
										m (ft)	
7.5 m (25 ft)	kg lb									*3340 *7360	3340 (20.0)
6.0 m (20 ft)	kg lb									*3310 *7300	2690 (24.2)
4.5 m (15 ft)	kg lb									*3370 *7430	2210 (26.6)
3.0m (10 ft)	kg lb	*7870 *17350	*7870 *17350	*5270 *11620	*5270 *11620	*4260 *9390	3620 7980	*2780 *6130	2460 5420	3170 6990	1990 (27.8)
1.5 m (5 ft)	kg lb	*8160 *17990	*8160 *17990	*6610 *14570	5360 11820	*4880 *10760	3430 7560	*3610 *7960	2380 5250	3090 6810	1920 (28.0)
Ground Line	kg lb	*7950 *17530	*7950 *17530	*7450 *16420	5090 11220	5300 11680	3290 7250	*3430 *7560	2310 5090	3210 7080	1990 (27.2)
-1.5 m (-5 ft)	kg lb	*6750 *14880	*6750 *14880	*10730 *23660	9740 21470	*7570 *16690	4990 11000	5220 11510	3220 7100		3610 7960
-3.0 m (-10 ft)	kg lb	*10030 *22110	*10030 *22110	*10220 *22530	9860 21740	*6910 *15230	5010 11050	*4820 *10630	3250 7170		*3700 *8160
-4.5 m (-15 ft)	kg lb			*7420 *16360	*7420 *16360	*4910 *10820	*4910 *10820				

Boom: 5.1 m (16' 9") / Arm: 3.1 m (11' 1") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

Load point height m (ft)		Load radius								At max. reach	
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		Capacity	Reach
										m (ft)	
7.5 m (25 ft)	kg lb									*2960 *6530	2960 (22.1)
6.0 m (20 ft)	kg lb									*2980 *6570	2380 (25.9)
4.5 m (15 ft)	kg lb									*3050 *6720	1990 (28.1)
3.0m (10 ft)	kg lb					*4660 *10270	*4660 *10270	*3880 *8550	3640 8020	*3050 *6720	2460 5420
1.5 m (5 ft)	kg lb	*10170 *22420	*10170 *22420	*6110 *13470	5420 11950	*4570 *10080	3440 7580	3780 8330	2360 5200	2820 6220	1730 (29.4)
Ground Line	kg lb	*8710 *19200	*8710 *19200	*7170 *15810	5090 11220	*5130 *11310	3270 7210	3690 8140	2280 5030	2920 6440	1780 (28.6)
-1.5 m (-5 ft)	kg lb	*6350 *14000	*6350 *14000	*10370 *22860	9640 21250	*7530 *16600	4940 10890	5170 11400	3170 6990	*3200 *7050	2230 4920
-3.0 m (-10 ft)	kg lb	*8990 *19820	*8990 *19820	*10850 *23920	9700 21380	*7150 *15760	4920 10850	*5070 *11180	3160 6970		*3580 *7890
-4.5 m (-15 ft)	kg lb	*12470 *27490	*12470 *27490	*8590 *18940	*8590 *18940	*5740 *12650	5040 11110			*3320 *7320	*3320 *7320

1. Lifting capacity are based on SAE J1097 and ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook located on the back of the bucket.

4. (*) indicates load limited by hydraulic capacity.

LIFTING CAPACITY



Rating over-front  Rating over-side or 360 degrees



 Rating over-side or 360 degrees

HX180 L 2-PIECE BOOM

2-piece boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

2-piece boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

1. Lifting capacity are based on SAE J1097 and ISO 10567.

- Lifting capacity are based on SAE J1097 and ISO 10387.
- Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook located on the back of the bucket.

4. (*) indicates load limited by hydraulic capacity.

LIFTING CAPACITY



Rating over-front



Rating over-side or 360 degrees

HX180 NL MONO-BOOM

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

Load point height m (ft)	kg lb	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) 	Capacity 	Reach m (ft)					
7.5 m (25 ft)	kg lb					*3700 *8160	5.60 (18.4)					
6.0 m (20 ft)	kg lb					*3620 *7980	2580 5690					
4.5 m (15 ft)	kg lb			*4530 *9990	*4530 *8950	*4060 3280 7230	2080 7.76 (22.9)					
3.0m (10 ft)	kg lb		*9050 *19950	*9050 *19950	*5750 *12680	*4550 10960	3140 *10030 6920	1850 4080 (26.7)				
1.5 m (5 ft)	kg lb				*6980 *15390	4610 10160	*5110 *11270	2980 6570	3300 7280	1780 3920	8.20 (26.9)	
Ground Line	kg lb			*7160 *15790	*7160 *15790	*7630 *16820	4390 9680	5300 6310	2860 7610	3450 4100	1860 (26.0)	
-1.5 m (-5 ft)	kg lb	*7070 *15590	*7070 *15590	*11190 *24670	8250 18190	*7540 *16620	4330 9550	5250 11570	2820 6220	*3920 *8640	2140 4720	7.31 (24.0)
-3.0 m (-10 ft)	kg lb	*11260 *24820	*11260 *24820	*9570 *21100	8410 18540	*6620 *14590	4390 9680			*3710 *8180	2840 6260	6.19 (20.3)
-4.5 m (-15 ft)	kg lb			*6220 *13710	*6220 *13710							

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

Load point height m (ft)	kg lb	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) 	Capacity 	Reach m (ft)					
7.5 m (25 ft)	kg lb						*3340 *7360	3330 7340	6.11 (20.0)				
6.0 m (20 ft)	kg lb				*2990 *6590	*2990 *6590			*3310 *7300	2340 5160	7.37 (24.2)		
4.5 m (15 ft)	kg lb				*3720 *8200	3300 7280			*3370 *7430	1910 4210	8.11 (26.6)		
3.0m (10 ft)	kg lb	*7870 *17350	*7870 *17350	*5270 *11620	5020 11070	*4260 *9390	3150 6940	*2780 *6130	2120 4670	3150 6940	1700 3750	8.48 (27.8)	
1.5 m (5 ft)	kg lb	*8160 *17990	*8160 *17990	*6610 *14570	4630 10210	*4880 *10760	2970 6550	*3610 *7960	2040 4500	3070 6770	1640 3620	8.53 (28.0)	
Ground Line	kg lb	*7950 *17530	*7950 *17530	*7450 *16420	4370 9630	5270 11620	2830 6240	*3430 *7560	1980 4370	3190 7030	1700 3750	8.28 (27.2)	
-1.5 m (-5 ft)	kg lb	*6750 *14880	*6750 *14880	*10730 *23660	8140 17950	*7570 *16690	4260 9390	5190 11440	2760 6080		3580 7890	1920 4230	7.69 (25.2)
-3.0 m (-10 ft)	kg lb	*10030 *22110	*10030 *22110	*10220 *22530	8260 18210	*6910 *15230	4290 9460	*4820 *10630	2790 6150		*3700 *8160	2480 5470	6.64 (21.8)
-4.5 m (-15 ft)	kg lb			*7420 *16360	*7420 *16360	*4910 *10820	4470 9850						

Boom: 5.1 m (16' 9") / Arm: 3.1 m (11' 1") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

Load point height m (ft)	kg lb	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) 	Capacity 	Reach m (ft)						
7.5 m (25 ft)	kg lb						*2960 *6530	2830 6240	6.73 (22.1)					
6.0 m (20 ft)	kg lb				*2830 *6240	*2830 *6240			*2980 *6570	2070 4560	7.88 (25.9)			
4.5 m (15 ft)	kg lb				*3310 *7300	*3310 *7300	*2190 *4610	*2090 *4610		*3050 *6720	1710 3770	8.57 (28.1)		
3.0m (10 ft)	kg lb			*4660 *10270	*4660 *10270	*3880 *8550	3170 6990	*3050 *6720	2120 4670	2880 6350	1530 3370	8.91 (29.2)		
1.5 m (5 ft)	kg lb	*10170 *22420	8790 19380	*6110 *13470	4680 10320	*4570 *10080	2970 6550	3760 8290	2030 4480	2800 6170	1470 3240	8.96 (29.4)		
Ground Line	kg lb	*8710 *19200	8190 18060	*7170 *15810	4370 9630	*5130 *11310	2810 6190	3670 8090	1940 4280	2900 6390	1510 3330	8.73 (28.6)		
-1.5 m (-5 ft)	kg lb	*6350 *14000	*6350 *14000	*10370 *22860	8040 17730	*7530 *16600	4210 9280	5140 11330	2710 5970	*3200 *7050	1900 4190	3210 7080	1690 3730	8.17 (26.8)
-3.0 m (-10 ft)	kg lb	*8990 *19820	*8990 *19820	*10850 *23920	8100 17860	*7150 *15760	4200 9260	*5070 *11180	2700 5950			*3580 *7890	2110 4650	7.21 (23.7)
-4.5 m (-15 ft)	kg lb	*12470 *27490	*12470 *27490	*8590 *18940	8330 18360	*5740 *12650	4310 9500					*3320 *7320	3280 7230	5.59 (18.3)

1. Lifting capacity are based on SAE J1097 and ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook located on the back of the bucket.

4. (*) indicates load limited by hydraulic capacity.

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX180 NLC 2-PIECE BOOM

2-piece boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

Load point height m (ft)		Load radius					At max. reach							
		1.5 m (5 ft)	3.0 m (10 ft)	4.5 m (15 ft)	6.0 m (20 ft)	7.5 m (25 ft)	Capacity	Reach						
6.0 m (20 ft)	kg lb						*3680 *8110	2500 5510	7.06 (23.2)					
4.5 m (15 ft)	kg lb				*4110 *9060	3270 7210			*3640 *8020	2020 4450	7.83 (25.7)			
3.0 m (10 ft)	kg lb			*5800 *12790	4960 10930	*4560 *10050	3130 6900		3350 7390	1800 3970	8.21 (26.9)			
1.5 m (5 ft)	kg lb			*6940 *15300	4570 10080	*5080 *11200	2960 6530	*3390 *7470	2040 4500	3270 7210	1740 3840	8.27 (27.1)		
Ground Line	kg lb	*6260 *13800	*6260 *13800	*7520 *16580	4350 9590	5300 11730	2830 6240			3420 7540	1820 4010	8.01 (26.3)		
-1.5 m (-5 ft)	kg lb	*6250 *13780	*6250 *13780	*10390 *20910	8200 18080	*7360 *16230	4290 9460	5270 11620	2790 6450		*3640 *8020	2090 4610	7.39 (24.2)	
-3.0 m (-10 ft)	kg lb			*9080 *20020	8390 18500	*6340 *13980	5010 9610					*3240 *7140	2790 6150	6.28 (20.6)
-4.5 m (-15 ft)	kg lb			*7420 *16360	*7420 *16360	*4910 *10820	*4910 *10820							

2-piece boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser.

Load point height m (ft)		Load radius					At max. reach						
		1.5 m (5 ft)	3.0 m (10 ft)	4.5 m (15 ft)	6.0 m (20 ft)	7.5 m (25 ft)	Capacity	Reach					
6.0 m (20 ft)	kg lb						*3380 *7450	2260 4980	7.48 (24.5)				
4.5 m (15 ft)	kg lb								*3370 *7430	1840 4060	8.20 (26.9)		
3.0 m (10 ft)	kg lb					*4280 *9440	3140 6920	*3190 *7030	2100 4630	3110 6860	1650 3640	8.57 (28.1)	
1.5 m (5 ft)	kg lb	*7050 *15540	*7050 *15540	*6590 *14530	4600 10140	*4860 *10710	2950 6500	3790 8360	2020 4450	3030 6680	1590 3510	8.62 (28.3)	
Ground Line	kg lb	*7110 *15670	*7110 *15670	*7360 *16230	4320 9520	*5270 *11620	2800 6170	3720 8200	1960 4320	3150 6940	1650 3640	8.37 (27.5)	
-1.5 m (-5 ft)	kg lb	*6090 *13430	*6090 *13430	*10020 *22090	8070 17790	*7410 *16340	4220 9300	5210 11490	2730 6020		*3500 *7720	1870 4120	7.78 (25.5)
-3.0 m (-10 ft)	kg lb	*9550 *21050	*9550 *21050	*9790 *21580	8210 18100	*6670 *14700	4260 9390	*4630 *10210	2770 6110		*3280 *7230	2420 5340	6.76 (22.2)
-4.5 m (-15 ft)	kg lb			*6770 *14930	*6770 *14930	*4500 *9920	4470 9850						

1. Lifting capacity are based on SAE J1097 and ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook located on the back of the bucket.

4. (*) indicates load limited by hydraulic capacity.

LIFTING CAPACITY



 Rating over-front Rating over-side or 360 degrees



 Rating over-side or 360 degrees

HX180 LD MONO-BOOM

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer up

Load point height m (ft)	Load radius								At max. reach			
	1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		Capacity			
7.5 m (25 ft)	kg								*3700	*3700	5.60	
	lb								*8160	*8160	(18.4)	
6.0 m (20 ft)	kg								*3620	3100	6.98	
	lb								*7980	6830	(22.9)	
4.5 m (15 ft)	kg				*4530	*4530	*4060	3920	*3640	2520	7.76	
	lb				*9990	*9990	*8950	8640	*8020	5560	(25.5)	
3.0 m (10 ft)	kg		*9050	*9050	*5750	*5750	*4550	3780	*3710	2270	8.15	
	lb		*19950	*19950	*12680	*12680	*10030	8330	*8180	5000	(26.7)	
1.5 m (5 ft)	kg				*6980	5590	*5110	3610	3760	2200	8.20	
	lb				*15390	12320	*11270	7960	8290	4850	(26.9)	
Ground Line	kg		*7160	*7160	*7630	5360	*5470	3490	*3890	2290	7.94	
	lb		*15790	*15790	*16820	11820	*12060	7690	*8580	5050	(26.0)	
-1.5 m (-5 ft)	kg	*7070	*7070	*11190	10310	*7540	5300	*5410	3450	*3920	2620	7.31
	lb	*15590	*15590	*24670	22730	*16620	11680	*11930	7610	*8640	5780	(24.0)
-3.0 m (-10 ft)	kg	*11260	*11260	*9570	*9570	*6620	5360			*3710	3450	6.19
	lb	*24820	*24820	*21100	*21100	*14590	11820			*8180	7610	(20.3)
-4.5 m (-15 ft)	kg			*6220	*6220							
	lb			*13710	*13710							
-4.5 m (-15 ft)	kg	*17990	*17990	*13070	*13070				*7190	*7190	6.24	
	lb	*39660	*39660	*28810	*28810				*15850	*15850	(20.5)	

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer down.

Load point height m (ft)		Load radius								At max. reach		
		1.5 m (5 ft)		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		Capacity	Reach	
										m (ft)		
7.5 m (25 ft)	kg lb									*3700 *8160	3700 8160	5.60 (18.4)
6.0 m (20 ft)	kg lb									*3620 *7980	3260 7190	6.98 (22.9)
4.5 m (15 ft)	kg lb					*4530 *9990	*4530 *9990	*4070 *8970	*4070 *8970	*3650 *8050	2670 5890	7.76 (25.5)
3.0 m (10 ft)	kg lb		*9060 *19970	*9060 *19970	*5750 *12680	*5750 *12680	*4560 *10050	3990 8800	*3720 *8200	2400 5290	8.15 (26.7)	
1.5 m (5 ft)	kg lb				*6990 *15410	5920 13050	*5120 *11290	3820 8420	*3810 *8400	2330 5140	8.20 (26.9)	
Ground Line	kg lb			*7160 *15790	*7160 *15790	*7640 *16840	5700 12570	*5480 *12080	3700 8160	*3900 *8600	2430 5360	7.94 (26.0)
-1.5 m (-5 ft)	kg lb	*7070 *15590	*7070 *15590	*11190 *24670	11090 24450	*7550 *16640	5630 12410	*5410 *11930	3660 8070	*3920 *8640	2770 6110	7.31 (24.0)
-3.0 m (-10 ft)	kg lb	*11260 *24820	*11260 *24820	*9580 *21120	*9580 *21120	*6630 *14620	5700 12570			*3710 *8180	3640 8020	6.19 (20.3)
-4.5 m (-15 ft)	kg lb			*6230 *13730	*6230 *13730							

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer up

Load point height m (ft)		Load radius						At max. reach		
		1.5 m (5 ft)	3.0 m (10 ft)	4.5 m (15 ft)	6.0 m (20 ft)	7.5 m (25 ft)	Capacity	Reach		
7.5 m (25 ft)	kg lb							m (ft)		
7.5 m (25 ft)	kg lb							*3340 *7360	*3340 *7360	6.11 (20.0)
6.0 m (20 ft)	kg lb				*2990 *6590	*2990 *6590		*3310 *7300	2820 6220	7.37 (24.2)
4.5 m (15 ft)	kg lb				*3720 *8200	*3720 *8200		*3370 *7430	2330 5140	8.11 (26.6)
3.0m (10 ft)	kg lb	*7870 *17350	*7870 *17350	*5270 *11620	*5270 *11620	*4260 *9390	3790 8360	*2780 *6130	2590 5710	2100 4630 (27.8)
1.5 m (5 ft)	kg lb	*8160 *17990	*8160 *17990	*6610 *14570	5610 12370	*4880 *10760	3600 7940	*3610 *7960	2510 5530	3510 7740 (28.0)
Ground Line	kg lb	*7950 *17530	*7950 *17530	*7450 *16420	5340 11770	*5340 *11770	3460 7630	*3430 *7560	2440 5380	3640 8020 (27.2)
-1.5 m (-5 ft)	kg lb	*6750 *14880	*6750 *14880	*10730 *23660	10190 22470	*7570 *16690	5230 11530	*5420 *11950	3390 7470	2370 5220 (25.2)
-3.0 m (-10 ft)	kg lb	*10030 *22110	*10030 *22110	*10220 *22530	*10220 *22530	*6910 *15230	5260 11600	*4820 *10630	3420 7540	3020 6660 (21.8)
-4.5 m (-15 ft)	kg lb	*7420 *16360	*7420 *16360	*4910 *10820						

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX180 LD MONO-BOOM

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer down

Load point height m (ft)		Load radius					At max. reach		
		1.5 m (5 ft)	3.0 m (10 ft)	4.5 m (15 ft)	6.0 m (20 ft)	7.5 m (25 ft)	Capacity	Reach	
7.5 m (25 ft)	kg lb						*3340 *7360	*3340 *7360	
6.0 m (20 ft)	kg lb				*2990 *6590	*2990 *6590	*3310 *7300	2970 6550	
4.5 m (15 ft)	kg lb				*3720 *8200	*3720 *8200	*3300 *7430	2460 5420	
3.0 m (10 ft)	kg lb	*7870 *17350	*7870 *17350	*5270 *11620	*5270 *11620	*4260 *9390	3990 8800	*2780 *6130	2730 6020
1.5 m (5 ft)	kg lb	*8160 *17990	*8160 *17990	*6610 *14570	5950 13120	*4880 *10760	3810 8400	*3610 *7960	2660 5860
Ground Line	kg lb			*7950 *17530	*7950 *17530	*7450 *16420	5670 12500	*5340 *11770	3670 8090
-1.5 m (-5 ft)	kg lb	*6750 *14880	*6750 *14880	*10730 *23660	*10730 *23660	*5420 *16690	5560 12260	*2090 *11950	3590 7910
-3.0 m (-10 ft)	kg lb	*10030 *22110	*10030 *22110	*10220 *22530	*10220 *22530	*6910 *15230	5590 12320	*4820 *10630	3620 7980
-4.5 m (-15 ft)	kg lb			*7420 *16360	*7420 *16360	*4910 *10820	*4910 *10820		

Boom: 5.1 m (16' 9") / Arm: 3.1 m (11' 1") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer up

Load point height m (ft)		Load radius					At max. reach				
		1.5 m (5 ft)	3.0 m (10 ft)	4.5 m (15 ft)	6.0 m (20 ft)	7.5 m (25 ft)	Capacity	Reach			
7.5 m (25 ft)	kg lb						*2960 *6530	*2960 *6530			
6.0 m (20 ft)	kg lb				*2830 *6240	*2830 *6240	*2980 *6570	2510 5530			
4.5 m (15 ft)	kg lb				*3310 *7300	*3310 *7300	*3050 *4610	2100 4630			
3.0 m (10 ft)	kg lb			*4660 *10270	*4660 *10270	*3880 *8550	3810 8400	*3050 *6720	1900 (28.1)		
1.5 m (5 ft)	kg lb		*10170 *22420	*10170 *22420	*6110 *13470	5670 12500	*4570 *10080	3610 7960	*3800 *8380	2490 5490	
Ground Line	kg lb		*8710 *19200	*8710 *19200	*7170 *15810	5340 11770	*5130 *11310	3440 7580	*4050 *8930	2410 5310	
-1.5 m (-5 ft)	kg lb	*6350 *14000	*6350 *14000	*10370 *22860	10100 22270	*7530 *16600	5180 11420	*5370 *11840	3340 7360	*3200 *7050	2360 5200
-3.0 m (-10 ft)	kg lb	*8990 *19820	*8990 *19820	*10850 *23920	10160 22400	*7150 *15760	5170 11400	*5070 *11180	3330 7340		
-4.5 m (-15 ft)	kg lb	*12470 *27490	*12470 *27490	*8590 *18940	*8590 *18940	*5740 *12650	5290 11660				

Boom: 5.1 m (16' 9") / Arm: 3.1 m (11' 1") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer down

Load point height m (ft)		Load radius					At max. reach				
		1.5 m (5 ft)	3.0 m (10 ft)	4.5 m (15 ft)	6.0 m (20 ft)	7.5 m (25 ft)	Capacity	Reach			
7.5 m (25 ft)	kg lb						*2960 *6530	*2960 *6530			
6.0 m (20 ft)	kg lb				*2830 *6240	*2830 *6240	*2980 *6570	2650 5840			
4.5 m (15 ft)	kg lb				*3310 *7300	*3310 *7300	*3050 *4610	2220 4890			
3.0 m (10 ft)	kg lb			*4660 *10270	*4660 *10270	*3880 *8550	3810 *6720	*3150 *6940	2020 (29.2)		
1.5 m (5 ft)	kg lb		*10170 *22420	*10170 *22420	*6110 *13470	5670 13250	*4570 *10080	3810 8400	*3800 *8380	2490 5490	
Ground Line	kg lb		*8710 *19200	*8710 *19200	*7170 *15810	5670 12500	*5130 *11310	3640 8020	*4050 *8930	2550 5620	
-1.5 m (-5 ft)	kg lb	*6350 *14000	*6350 *14000	*10370 *22860	10370 22270	*7530 *16600	5510 12150	*5370 *11840	3540 7800	*3200 *7050	2510 5530
-3.0 m (-10 ft)	kg lb	*8990 *19820	*8990 *19820	*10850 *23920	*10850 *23920	*7150 *15760	5500 12130	*5070 *11180	3530 7780		
-4.5 m (-15 ft)	kg lb	*12470 *27490	*12470 *27490	*8590 *18940	*8590 *18940	*5740 *12650	5620 12390				

1. Lifting capacity are based on SAE J1097 and ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook located on the back of the bucket.

4. (*) indicates load limited by hydraulic capacity.

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX180 ND 2-PIECE BOOM

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer up

Load point height m (ft)		Load radius					At max. reach					
		1.5 m (5 ft)  	3.0 m (10 ft)  	4.5 m (15 ft)  	6.0 m (20 ft)  	7.5 m (25 ft)  	Capacity  	Reach m (ft)				
6.0 m (20 ft)	kg lb						*3680 *8110	3020 6660 (23.2)				
4.5 m (15 ft)	kg lb				*4110 *9060	3920 8640		*3640 *8020	2460 5420 (25.5)			
3.0m (10 ft)	kg lb			*5800 *12790	*5800 *12790	*4560 *10050	3770 8310		*3660 *8070	2220 4890 (26.9)		
1.5 m (5 ft)	kg lb			*6940 *15300	5570 12280	*5080 *11200	3600 7940	*3390 *7470	2510 5530	*3700 *8160	2150 4740 (27.1)	
Ground Line	kg lb		*6260 *13800	*6260 *13800	*7520 *16580	5330 11750	*5390 *11880	3470 7650		*3720 *8200	2250 4960 (26.3)	
-1.5 m (-5 ft)	kg lb	*6250 *13780	*6250 *13780	*10390 *22910	10280 22660	*7360 *16230	5270 11620	*5270 *11620	3430 7560		*3640 *8020	2570 5670 (24.2)
-3.0 m (-10 ft)	kg lb			*9080 *20020	*9080 *20020	*6340 *13980	5350 11790				*3240 *7140	*3240 *7140 (20.6)

Boom: 5.1 m (16' 9") / Arm: 2.2 m (7' 3") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer down

Load point height m (ft)		Load radius					At max. reach					
		1.5 m (5 ft)  	3.0 m (10 ft)  	4.5 m (15 ft)  	6.0 m (20 ft)  	7.5 m (25 ft)  	Capacity  	Reach m (ft)				
6.0 m (20 ft)	kg lb						*3680 *8110	3190 7030 (23.2)				
4.5 m (15 ft)	kg lb				*4110 *9060	*4110 *9060		*3640 *8020	2610 5750 (25.7)			
3.0m (10 ft)	kg lb			*5800 *12790	*5800 *12790	*4560 *10050	3990 8800		*3660 *8070	2350 5180 (26.9)		
1.5 m (5 ft)	kg lb			*6940 *15300	5910 13030	*5080 *11200	3810 8400	*3390 *7470	2660 5860	*3700 *8160	2280 5030 (27.1)	
Ground Line	kg lb		*6260 *13800	*6260 *13800	*7520 *16580	5670 12500	*5390 *11880	3680 8110		*3720 *8200	2390 5270 (26.3)	
-1.5 m (-5 ft)	kg lb	*6250 *13780	*6250 *13780	*10390 *22910	*10390 *22910	*7360 *16230	5610 12370	*5270 *11620	3640 8020		*3640 *8020	2730 6020 (24.2)
-3.0 m (-10 ft)	kg lb			*9080 *20020	*9080 *20020	*6340 *13980	5690 12540				*3240 *7140	*3240 *7140 (20.6)
-4.5 m (-15 ft)	kg lb			*6770 *14930	*6770 *14930	*4500 *9920	4470 9850					

1. Lifting capacity are based on SAE J1097 and ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook located on the back of the bucket.

4. (*) indicates load limited by hydraulic capacity.

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX180 NLC 2-PIECE BOOM

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer up

Load point height m (ft)		Load radius					At max. reach	
		1.5 m (5 ft)	3.0 m (10 ft)	4.5 m (15 ft)	6.0 m (20 ft)	7.5 m (25 ft)	Capacity	Reach
6.0 m (20 ft)	kg lb						*3380 *7450	2740 6040
4.5 m (15 ft)	kg lb						*3370 *7430	2270 5000
3.0 m (10 ft)	kg lb				*4280 *9440	3790 8360	*3190 *7030	2570 5670
1.5 m (5 ft)	kg lb		*7050 *15540	*7050 *15540	*6590 *14530	5600 12350	*4860 *10710	3590 7910
Ground Line	kg lb		*7110 *15670	*7110 *15670	*7360 *16230	5310 11710	*5270 *11620	3440 7580
-1.5 m (-5 ft)	kg lb	*6090 *13430	*6090 *13430	*10020 *22090	*10020 *22090	*7410 *16340	*5300 11460	3370 7530
-3.0 m (-10 ft)	kg lb	*9550 *21050	*9550 *21050	*9790 *21580	*9790 *21580	*6670 *14700	*5240 11550	*4630 *10210
-4.5 m (-15 ft)	kg lb			*6770 *14930	*6770 *14930	*4500 *9920	*4500 *9920	

Boom: 5.1 m (16' 9") / Arm: 2.6 m (8' 6") / Bucket: 0.76 m³ (0.92 yd³) SAE heaped / Shoe: 600 mm (24") triple grouser. Dozer down

Load point height m (ft)		Load radius					At max. reach	
		1.5 m (5 ft)	3.0 m (10 ft)	4.5 m (15 ft)	6.0 m (20 ft)	7.5 m (25 ft)	Capacity	Reach
6.0 m (20 ft)	kg lb						*3380 *7450	2890 6370
4.5 m (15 ft)	kg lb						*3370 *7430	2400 5290
3.0 m (10 ft)	kg lb				*4280 *9440	4000 8820	*3190 *7030	2730 6020
1.5 m (5 ft)	kg lb		*7050 *15540	*7050 *15540	*6590 *14530	5940 13100	*4860 *10710	3800 8380
Ground Line	kg lb		*7110 *15670	*7110 *15670	*7360 *16230	5650 12460	*5270 *11620	3650 8050
-1.5 m (-5 ft)	kg lb	*6090 *13430	*6090 *13430	*10020 *22090	*10020 *22090	*7410 *16340	*5540 12210	*5300 *11680
-3.0 m (-10 ft)	kg lb	*9550 *21050	*9550 *21050	*9790 *21580	*9790 *21580	*6670 *14700	*5580 12300	*4630 *10210
-4.5 m (-15 ft)	kg lb			*6770 *14930	*6770 *14930	*4500 *9920	*4500 *9920	

1. Lifting capacity are based on SAE J1097 and ISO 10567.

2. Lifting capacity of the HX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook located on the back of the bucket.

4. (*) indicates load limited by hydraulic capacity.

ENGINE	STD	OPT	STD	OPT
Perkins 1204F Engine	●			
HYDRAULIC SYSTEM				
Intelligent Power Control (IPC)				
3-power mode, 2-work mode, user mode	●			
Variable Power Control	●			
Pump Flow Control	●			
Attachment Mode Flow Control		●		
Engine Auto Idle	●			
Engine Auto Shutdown Control	●			
Electronic Fan Control	●			
CABIN & INTERIOR				
ISO Standard cabin				
Rise-up type windshield wiper	●			
Radio / USB player	●			
Handsfree mobile phone system with USB	●			
12 volt power outlet (24V DC to 12V DC converter)	●			
Electric horn	●			
All-weather steel cab with 360° visibility	●			
Safety glass windows	●			
Sliding fold-in front window	●			
Sliding side window (LH)	●			
Lockable door	●			
Hot & cool box	●			
Storage compartment & Ashtray	●			
Transparent cabin roof-cover	●			
Sun visor	●			
Door and cab locks, one key	●			
Mechanical suspension seat with heater	●			
Pilot-operated slideable joystick	●			
Console box height adjust system	●			
Automatic climate control				
Air conditioner & heater	●			
Defroster	●			
Starting Aid (air grid heater) for cold weather	●			
Centralized monitoring				
8" LCD display	●			
Engine speed or Trip meter/Accel.	●			
Engine coolant temperature gauge	●			
Max power	●			
Low speed/High speed	●			
Auto idle	●			
Overload	●			
Check Engine	●			
Air cleaner clogging	●			
Indicators	●			
ECO Gauges	●			
Fuel level gauge	●			
Hyd. oil temperature gauge	●			
Fuel warmer	●			
Warnings	●			
Communication error	●			
Low battery	●			
Clock	●			
Cabin lights		●		
Cabin front window rain guard	●			
Cabin roof-steel cover	●			
Seat				
Adjustable air suspension seat with heater		●		
Cabin FOPS/FOG (ISO/DIS 10262) Level 2				
FOPS (Falling Object Protective Structure) - ISO 3449 Level 2		●		
FOG (Falling Object Guard)		●		
Cabin ROPS (ISO 12117-2)				
ROPS (Roll Over Protective Structure)		●		

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		●
Swing Lock System		●
Three outside rearview mirrors	●	
OTHER		
Booms		
5.1 m; 16' 9"	●	
5.1 m; 16' 9" 2-piece boom		●
Arms		
2.2 m; 7' 3"		●
2.6 m; 8' 6"	●	
3.1 m; 10' 2"		●
Removable clean-out dust net for cooler	●	
Removable reservoir tank	●	
Fuel pre-filter	●	
Self-diagnostics system	●	
Hi MATE (Remote Management System)	●	
Batteries (2 x 12 V x 100 Ah)	●	
Fuel filler pump (50 l/min)		●
Single-acting piping kit (breaker, etc.)		●
Double-acting piping kit (clamshell, etc.)	●	
Rotating Piping Kit	●	
Quick coupler piping	●	
Quick coupler	●	
Boom floating control	●	
Accumulator for lowering work equipment	●	
Pattern change valve (2 patterns)	●	
Fine Swing Control System	●	
Tool kit	●	
UNDERCARRIAGE		
Lower frame under cover (Additional)		●
Lower frame under cover (Normal)	●	
Buldozerinis peilis		●
Track shoes		
Triple grouser shoes (500 mm; 20")		●
Triple grouser shoes (600 mm; 24")	●	
Triple grouser shoes (700 mm; 28")		●
Triple grouser shoes (800 mm; 32")		●
Track rail guard	●	

STD = Standard

OPT = Optional

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information.

The machine may vary according to International standards.

* The photos may include attachments and optional equipment that are not available in your area.

* Materials and specifications are subject to change without advance notice.

* All imperial measurements rounded off to the nearest pound or inch.

* The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant HFC-134a (Global Warming Potential = 1430). The system contains 0.65 kg of refrigerant which has a CO₂ equivalent of 0.9295 metric tonne.

HYUNDAI CONSTRUCTION EQUIPMENT

PLEASE CONTACT