

ENGINE	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	●	
CAB & INTERIOR		
ISO Standard cabin		
Rise-up type windshield wiper	●	
Radio / USB player	●	
Handsfree mobile phone system with USB	●	
12 volt power outlet (24V DC to 12V DC converter)	●	
Electric horn	●	
All-weather steel cab with 360° visibility	●	
Safety glass windows	●	
Sliding fold-in front window	●	
Sliding side window(LH)	●	
Lockable door	●	
Hot & cool box	●	
Storage compartment & Ashtray	●	
Transparent cabin roof-cover	●	
Sun visor	●	
Door and cab locks, one key	●	
Mechanical suspension seat with heater	●	
Pilot-operated slidable joystick	●	
Console box height adjust system	●	
Automatic climate control		
Air conditioner & heater	●	
Defroster	●	
Starting Aid (air grid heater) for cold weather	●	
Centralized monitoring		
8" LCD display	●	
Engine speed or Trip meter/Accel.	●	
Engine coolant temperature gauge	●	
Max power	●	
Low speed/High speed	●	
Auto idle	●	
Overload	●	
Check Engine	●	
Air cleaner clogging	●	
Indicators	●	
ECO Gauges	●	
Fuel level gauge	●	
Hyd. oil temperature gauge	●	
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 mirror	●	
OTHER		
Booms		
5.1 m, 16' 9"	●	
5.1 m, 16' 9" 2-Piece		●
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 12V 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)	●	
Dozer Blade		●
Track shoes		
Triple grousers shoes (600mm, 24")	●	
Triple grousers shoe (700 mm, 28")		●
Triple grousers shoe (800 mm, 32")		●
Triple grousers shoes (500mm, 20")		●
Track rail guard	●	

* Standard and optional equipment may vary. Contact your Hyundai dealer for more information.
The machine may vary according to International standards.
* The photos may include attachments and optional equipment that are not available in your area.
* Materials and specifications are subject to change without advance notice.
* All imperial measurements rounded off to the nearest pound or inch.

MOVING YOU FURTHER

HX180 L

With Tier4 final / Stage IV Engine installed



*Photo may include optional equipment.

PLEASE CONTACT



RULE THE GROUND

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



*Photo may include optional equipment.

RULE THE GROUND

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

HX180 L



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.



*Photo may include optional equipment.

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 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 HX Series is 15% larger than the previous model, delivering excellent legibility. The centralized switches on the display allow convenience of checking the urea level and temperature outside the cabin. The audio AUX, air conditioner, heater interoperation, wiper, lamp, overload warning, travel, alarm and inclination sensor also maximize operator's convenience.



Haptic Control

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

Wi-Fi Direct with Smart Phone (Miracast)

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



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.

Proportional Auxiliary Hydraulic System

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

MODERN COMFORT, SIMPLE AND SAFE SOLUTION

New Cabin for More Comfort

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



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

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



*AVM (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) (Option)

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

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



*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				
Maker / Model			Perkins 1204F	
Type			Water cooled, 4 cycle Diesel, 4-cylinders in line, direct injection, turbocharged charger and air cooled	
Rated flywheel horse power	SAE	J1995 (gross)	137 HP (102.1 kW) / 2,050 rpm	
		J1349 (net)	128 HP (96 kW) / 2,050 rpm	
	DIN	6271/1 (gross)	139 PS (102.1 kW) / 2,050 rpm	
		6271/1 (net)	130 PS (96 kW) / 2,050 rpm	
Max. torque			57.1 kgf.m(413 lbf.ft) / 1,400 rpm	
Bore X stroke			105 x 127 mm (4.13" x 5.0")	
Piston displacement			4,400 cc (268.5 in³)	
Batteries			2 X 12 V X 100 AH	
Starting motor			24 V- 4.5 kW	
Alternator			24 V- 1,000 Amp	

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Two variable displacement piston pumps
Rated flow	2X164ℓ/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/cm² (4,980 psi)
Travel	350 kgf/cm² (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm² (5,400 psi)
Swing circuit	285 kgf/cm² (4,050 psi)
Pilot circuit	40 kgf/cm² (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")
	Blade: 2-110 X 320 mm (4.3" X 12.6")
	2PCS 1st: 2-115 X 960 mm (4.5" X 37.8") 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)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, Dial type
Lights	Two lights mounted on the boom Two on the upper frame

SWING SYSTEM	
Swing motor	Axial pistons motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	10.3 rpm

COOLANT & LUBRICANT CAPACITY			
Refilling	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	12.5	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
No. of carrier roller on each side	2
No. of track roller on each side	7
No. of rail guard on each side	1

OPERATING WEIGHT (APPROXIMATE)	
Operating weight, including 5,100mm (16' 9") boom, 2,600mm (8' 6") arm, SAE heaped 0.76m³ (0.99 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.	

OPERATING WEIGHT		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf/cm² (psi)
Triple grouser	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)
	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)

DIMENSIONS & WORKING RANGE

BUCKETS	
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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 (0.90)

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		
					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
SAE heaped	CECE heaped	Without side cutters	With side cutters						
0.39(0.51)	0.34(0.44)	620(24.4)	740(29.1)	410(900)	●	●	●	●	●
0.50(0.65)	0.44(0.58)	760(29.9)	880(34.6)	470(1,040)	●	●	●	●	●
0.64(0.84)	0.55(0.72)	920(36.2)	1,040(40.9)	510(1,120)	●	●	■	●	●
0.70(0.92)	0.60(0.78)	990(39.0)	1,110(43.7)	600(1,320)	●	●	■	●	■
0.76(0.99)	0.65(0.85)	1,060(41.7)	1,180(46.5)	620(1,370)	●	■	▲	■	▲
0.89(1.16)	0.77(1.01)	1,220(48.0)	1,340(52.8)	610(1,340)	■	▲	–	■	▲
1.05(1.37)	0.90(1.18)	1,400(55.1)	1,520(59.8)	680(1,500)	▲	▲	–	▲	–
◆ 0.69(0.90)	0.62(0.81)	990(39.0)	–	720(1,590)	●	■	▲	■	▲
⦿ 0.75(0.98)	0.65(0.85)	1,820(71.7)	–	540(1,190)	●	■	■	●	■

- ◆ Heavy duty bucket
⦿ Ditch cleaning 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, a low-stress, full-box section design. 5.1m(16' 9") boom, 5.1m(16' 9") 2-PIECE boom and 2.20m(7' 3"), 2.60m(8' 6"), 3.10m(10' 2") arms are available.	

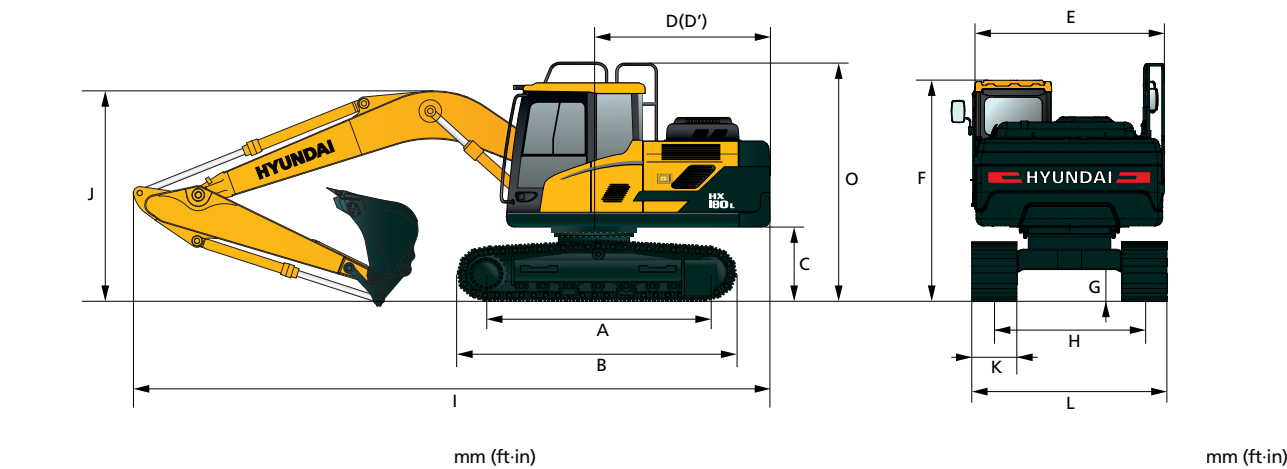
DIGGING FORCEWW						
Arm	Length	mm (ft · in)	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")	
	Weight	kg (lb)	750 (1,560)	810 (1,790)	890 (1,960)	
Bucket digging force	SAE	kN	107.9 [117.2]	107.9 [117.2]	107.9 [117.2]	[]: Power Boost
		kgf	11,000 [11,940]	11,000 [11,940]	11,000 [11,940]	
		lbf	24,250 [26,330]	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

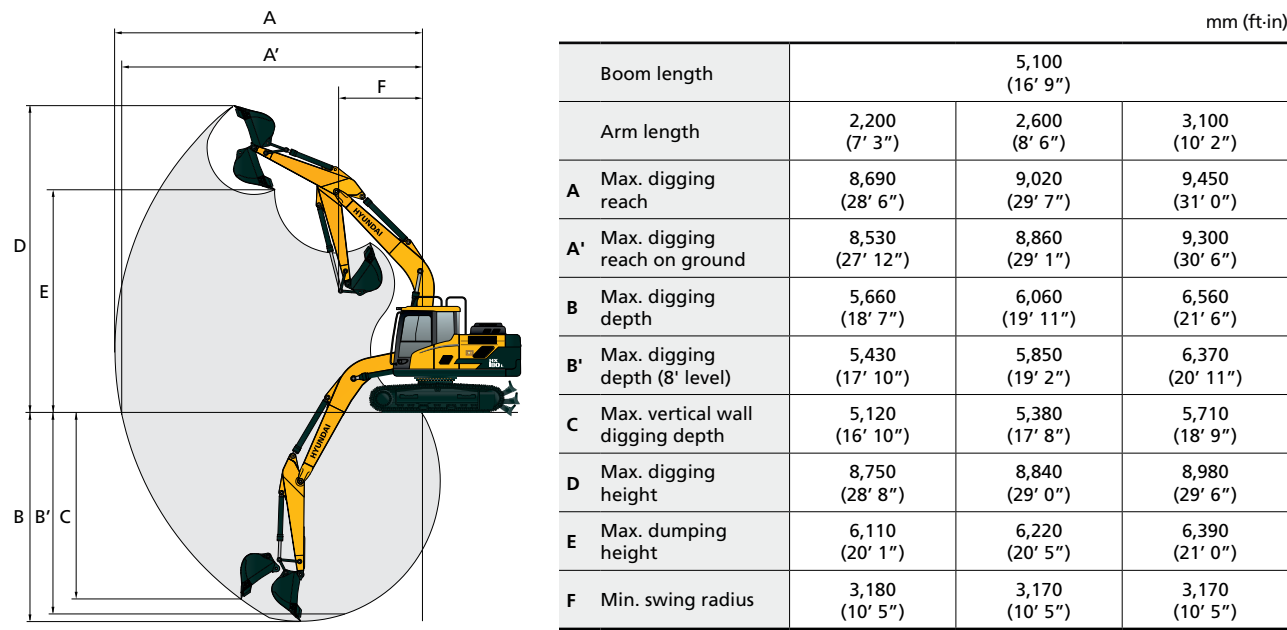
HX180L DIMENSIONS

5.1 m (16' 9") BOOM and 2.2 m (7' 3"), 2.6 m (8' 6"), 3.1 m (10' 2") ARM



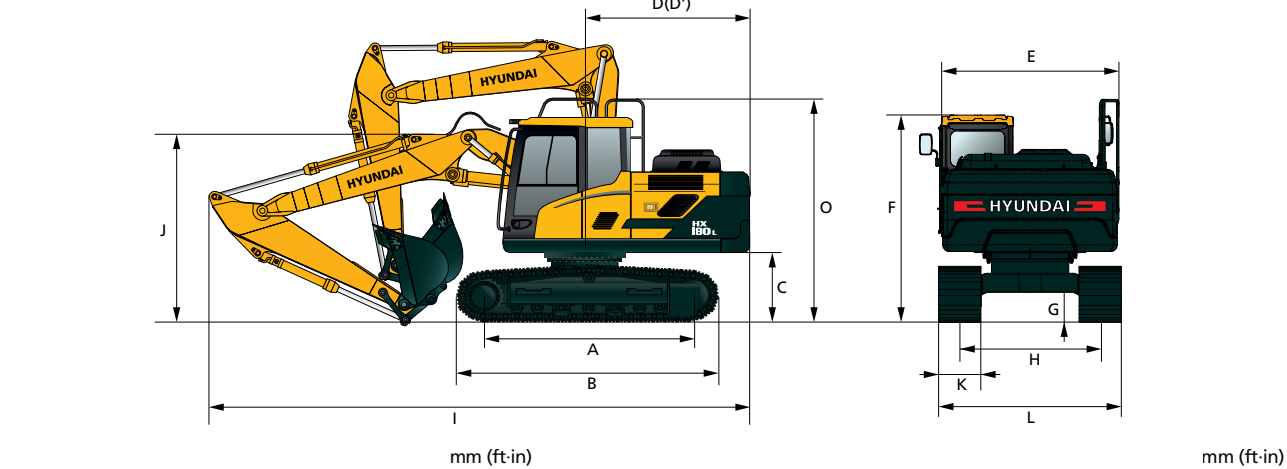
A	Tumbler distance	3,360 (11' 0")	Boom length				5,100(16' 9")
B	Overall length of crawler	4,116 (13' 6")	Arm length				2,200 (7' 3") 2,600 (8' 6") 3,100 (10' 2")
C	Ground clearance of counterweight	1,055 (3' 6")	I Overall length				8,660 (28' 5") 8,650 (28' 5") 8,650 (28' 5")
D	Tail swing radius	2,480 (8' 2")	J Overall height of boom				3,010 (9' 11") 2,990 (9' 10") 3,150 (10' 4")
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")	K Track shoe width				500 (20") 600 (24") 700 (28") 800 (32")
H	Track gauge	2,250 (7' 5")	L Overall width				2,750 (9' 0") 2,850 (9' 4") 2,950 (9' 8") 3,050 (10' 0")
O	Overall height of guardrail	3,235 (10' 7")					

HX180L WORKING RANGE



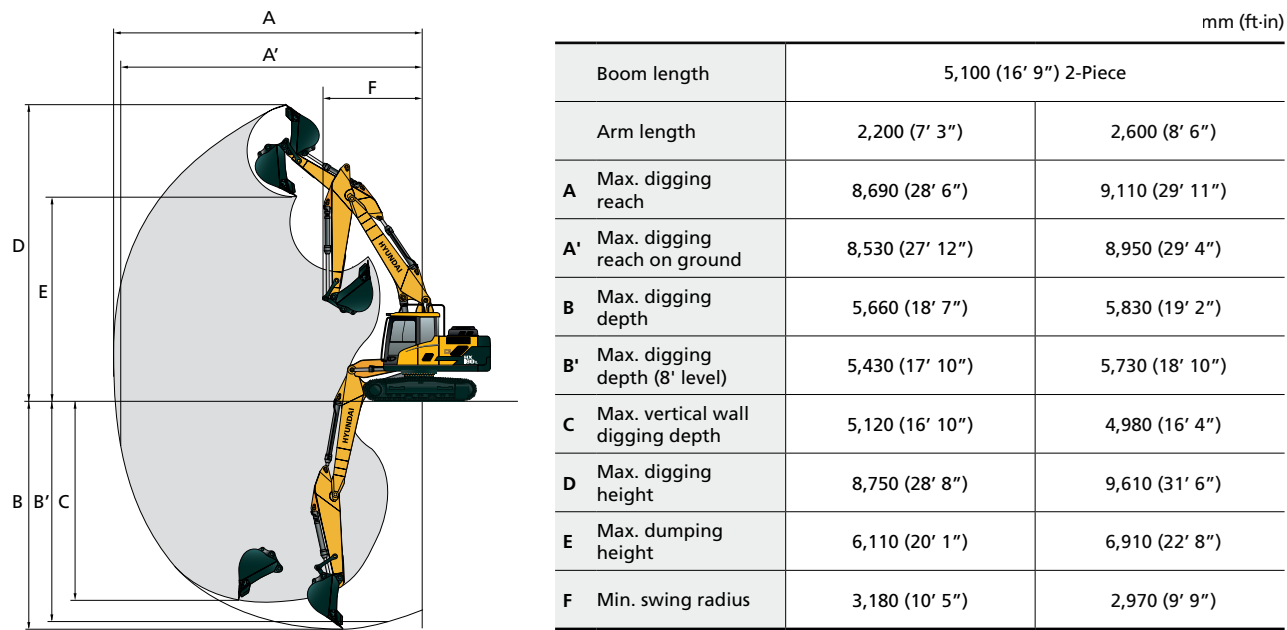
HX180L 2-PIECE BOOM DIMENSIONS

5.1 m (16' 9") 2-PIECE BOOM and 2.2 m (7' 3"), 2.6 m (8' 6") ARM



A	Tumbler distance	3,360 (11' 0")	Boom length				5,100 (16' 9")
B	Overall length of crawler	4,116 (13' 6")	Arm length				2,200 (7' 3") 2,600 (8' 6")
C	Ground clearance of counterweight	1,055 (3' 6")	I Overall length				8,610 (28' 3") 8,610 (28' 3")
D	Tail swing radius	2,480 (8' 2")	J Overall height of boom				3,040 (10' 0") 3,060 (10' 0")
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")	K Track shoe width				500 (20") 600 (24") 700 (28") 800 (32")
H	Track gauge	2,250 (7' 5")	L Overall width				2,750 (9' 0") 2,850 (9' 4") 2,950 (9' 8") 3,050 (10' 0")
O	Overall height of guardrail	3,235 (10' 7")					

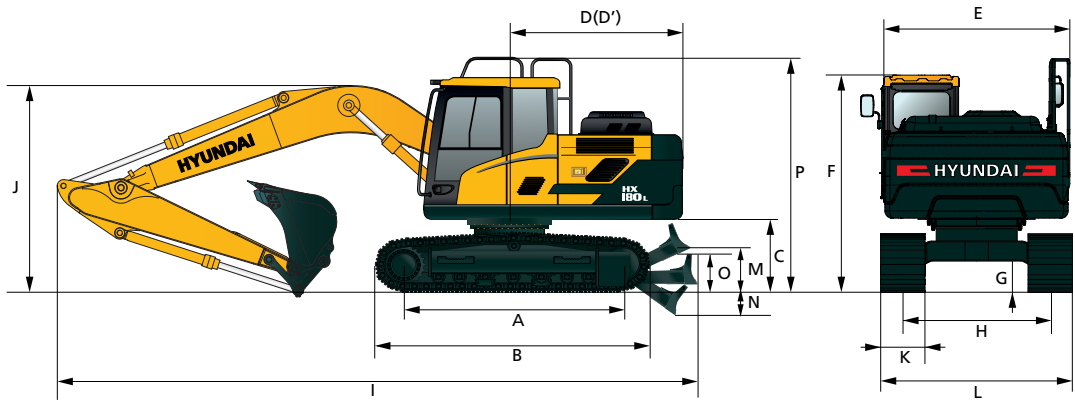
HX180L 2-PIECE BOOM WORKING RANGE



DIMENSIONS & WORKING RANGE

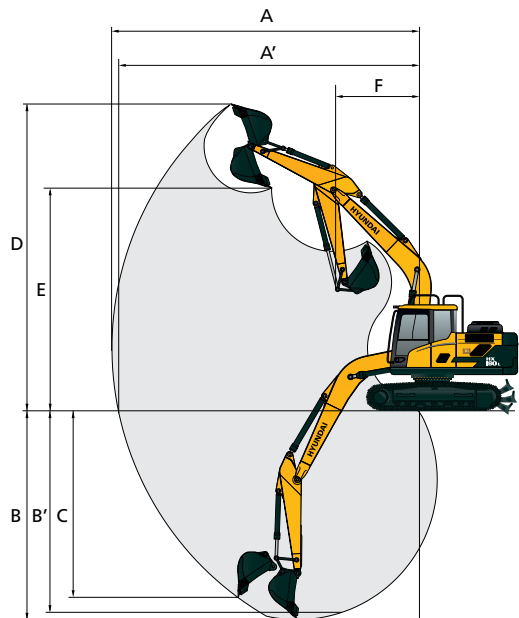
HX180LD DIMENSIONS

5.1 m (16' 9") BOOM and 2.2 m (7' 3"), 2.6 m (8' 6"), 3.1 m (10' 2") ARM



		mm (ft-in)	mm (ft-in)					
A	Tumbler distance	3,360 (11' 0")	Boom length	5,100(16' 9")				
B	Overall length of crawler	4,116 (13' 6")		Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")	
C	Ground clearance of counterweight	1,055 (3' 6")	I		Overall length	9,110 (29' 11")	9,100 (29' 10")	9,100 (29' 10")
D	Tail swing radius	2,480 (8' 2")		J	Overall height of boom	3,010 (9' 11")	2,990 (9' 10")	3,150 (10' 4")
D'	Rear-end length	2,480 (8' 2")						
E	Overall width of upperstructure	2,475 (8' 1")	K	Track shoe width	500 (20")	600 (24")	700 (28")	800 (32")
F	Overall height of cab	2,980 (9' 9")		L	Overall width	2,750 (9' 1")	2,850 (9' 5")	2,950 (9' 9")
G	Min. ground clearance	460 (1' 6")						
H	Track gauge	2,250 (7' 5")						
M	Ground clearance of blade up	615 (2' 0")						
N	Depth of blade down	675 (2' 3")						
O	Height of blade	640 (2' 1")						
P	Overall height of guardrail	3,235 (10' 7")						

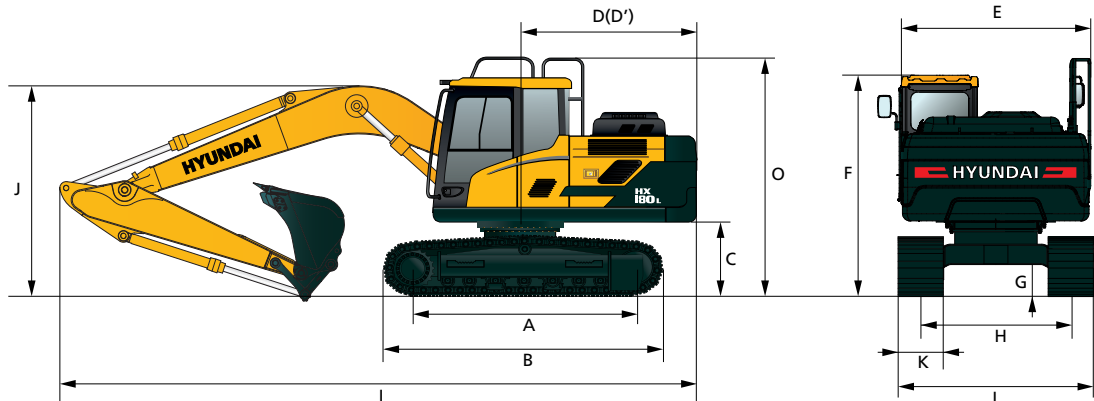
HX180LD WORKING RANGE



		mm (ft-in)			
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. swing radius	3,180 (10' 5")	3,170 (10' 5")	3,170 (10' 5")	

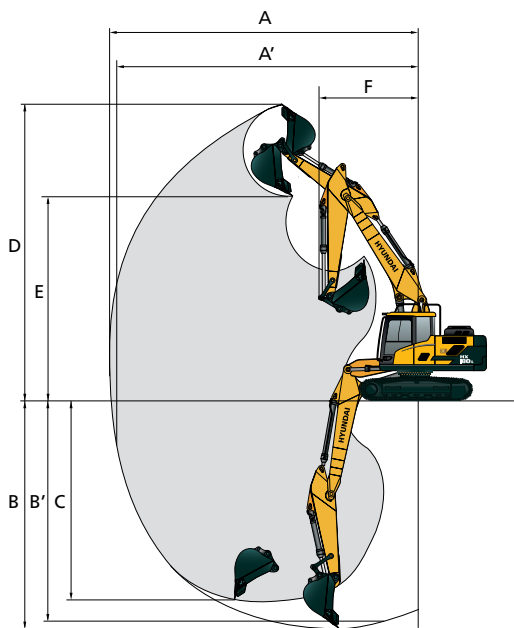
HX180NL DIMENSIONS

5.1 m (16' 9") 2-PIECE BOOM and 2.2 m (7' 3"), 2.6 m (8' 6") ARM



mm (ft-in)		mm (ft-in)					
A	Tumbler distance	3,360 (11' 0")	Boom length	5,100(16' 9")			
B	Overall length of crawler	4,116 (13' 6")		Arm length	2,200 (7' 3")	2,600 (8' 6")	3,100 (10' 2")
C	Ground clearance of counterweight	1,055 (3' 6")	I		Overall length	8,660 (28' 5")	8,650 (28' 5")
D	Tail swing radius	2,480 (8' 2")	J	Overall height of boom	3,010 (9' 11")	2,990 (9' 10")	3,150 (10' 4")
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")	K	Track shoe width	500 (20")	600 (24")	700 (28")
H	Track gauge	2,250 (7' 5")	L	Overall width	2,750 (9' 1")	2,850 (9' 5")	2,950 (9' 9")
O	Overall height of guardrail	3,235 (10' 7")					

HX180NL WORKING RANGE



		mm (ft-in)			
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. swing radius	3,180 (10' 5")	3,170 (10' 5")	3,170 (10' 5")	

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HX180L - MONO BOOM

5.10 m (16’ 9”) / Arm : 2.20 m (7’ 3”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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									*3700	*3700	5.60
	lb									*8160	*8160	(18.4)
6.0 m (20 ft)	kg									*3620	2950	6.98
	lb									*7980	6500	(22.9)
4.5 m (15 ft)	kg					*4530	*4530	*4060	3750	*3640	2400	7.76
	lb					*9990	*9990	*8950	8270	*8020	5290	(25.5)
3.0m (10 ft)	kg			*9050	*9050	*5750	5710	*4550	3610	3400	2150	8.15
	lb			*19950	*19950	*12680	12590	*10030	7960	7500	4740	(26.7)
1.5 m (5 ft)	kg					*6980	5340	*5110	3440	3320	2080	8.20
	lb					*15390	17770	*11270	7580	7320	4590	(26.9)
Ground Line	kg			*7160	*7160	*7630	5120	5330	3320	3470	2170	7.94
	lb			*15790	*15790	*16820	11290	11750	7320	7650	4780	(26.0)
-1.5 m (-5 ft)	kg	*7070	*7070	*11190	9860	*7540	5050	5280	3280	*3920	2480	7.31
	lb	*15590	*15590	*24670	21740	*16620	11130	11640	7230	*8640	5470	(24.0)
-3.0 m (-10 ft)	kg	*11260	*11260	*9570	*9570	*6620	5110			*3710	3280	6.19
	lb	*24820	*24820	*21100	*21100	*14590	11270			*8180	7230	(20.3)
-4.5 m (-15 ft)	kg			*6220	*6220							
	lb			*13710	*13710							

5.10 m (16’ 9”) / Arm : 2.60 m (8’ 6”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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)		Reach
												m (ft)
7.5 m (25 ft)	kg											
	lb											
6.0 m (20 ft)	kg							*2990	*2990			
	lb							*6590	*6590			
4.5 m (15 ft)	kg							*3720	*3720			
	lb							*8200	*8200			
3.0m (10 ft)	kg			*7870	*7870	*5270	*5270	*4260	3620	*2780	2460	8.48
	lb			*17350	*17350	*11620	*11620	*9390	7980	*6130	5420	(27.8)
1.5 m (5 ft)	kg			*8160	*8160	*6610	5360	*4880	3430	*3610	2380	8.53
	lb			*17990	*17990	*14570	11820	*10760	7560	*7960	5250	(28.0)
Ground Line	kg			*7950	*7950	*7450	5090	5300	3290	*3430	2310	8.28
	lb			*17530	*17530	*16420	11220	11680	7250	*7560	5090	(27.2)
-1.5 m (-5 ft)	kg	*6750	*6750	*10730	9740	*7570	4990	5220	3220			7.69
	lb	*14880	*14880	*23660	21470	*16690	11000	11510	7100			(25.2)
-3.0 m (-10 ft)	kg	*10030	*10030	*10220	9860	*6910	5010	*4820	3250			6.64
	lb	*22110	*22110	*22530	21740	*15230	11050	*10630	7170			(21.8)
-4.5 m (-15 ft)	kg			*7420	*7420	*4910	*4910					
	lb			*16360	*16360	*10820	*10820					

5.10 m (16’ 9”) / Arm : 3.10 m (11’ 1”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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)		Reach
												m (ft)
7.5 m (25 ft)	kg											
	lb											
6.0 m (20 ft)	kg							*2830	*2830			
	lb							*6240	*6240			
4.5 m (15 ft)	kg							*3310	*3310	*2090	*2090	8.57
	lb							*7300	*7300	*4610	*4610	(28.1)
3.0m (10 ft)	kg					*4660	*4660	*3880	3640	*3050	2460	8.91
	lb					*10270	*10270	*8550	8020	*6720	5420	(29.2)
1.5 m (5 ft)	kg			*10170	*10170	*6110	5420	*4570	3440	3780	2360	8.96
	lb			*22420	*22420	*13470	11950	*10080	7580	8330	5200	(29.4)
Ground Line	kg			*8710	*8710	*7170	5090	*5130	3270	3690	2280	8.73
	lb			*19200	*19200	*15810	11220	*11310	7210	8140	5030	(28.6)
-1.5 m (-5 ft)	kg	*6350	*6350	*10370	9640	*7530	4940	5170	3170	*3200	2230	8.17
	lb	*14000	*14000	*22860	21250	*16600	10890	11400	6990	*7050	4920	(26.8)
-3.0 m (-10 ft)	kg	*8990	*8990	*10850	9700	*7150	4920	*5070	3160			7.21
	lb	*19820	*19820	*23920	21380	*15760	10850	*11180	6970			(23.7)
-4.5 m (-15 ft)	kg	*12470	*12470	*8590	*8590	*5740	5040					5.59
	lb	*27490	*27490	*18940	*18940	*12650	11110					(18.3)

1. Lifting capacity are based on SAE J1097 and ISO 10567.
2. Lifting capacity of the ROBEX 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.

 Rating over-front  Rating over-side or 360 degree

HX180L - 2 PIECE BOOM

5.10 m (16’ 9”) / Arm : 2.20 m (7’ 3”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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)		Reach
												m (ft)
6.0 m (20 ft)	kg											
	lb											
4.5 m (15 ft)	kg							*4110	3750			
	lb							*9060	8270			
3.0m (10 ft)	kg					*5800	5720	*4560	3600			
	lb					*12790	12610	*10050	7940			
1.5 m (5 ft)	kg					*6940	5320	*5080	3430	*3390	2380	
	lb					*15300	11730	*11200	7560	*7470	5250	
Ground Line	kg			*6260	*6260	*7520	5090	5350	3300			
	lb			*13800	*13800	*16580	11220	11790	7280			
-1.5 m (-5 ft)	kg	*6250	*6250	*10390	9820	*7360	5020	*5270	3260			
	lb	*13780	*13780	*22910	21650	*16230	11070	*11620	7190			
-3.0 m (-10 ft)	kg			*9080	*9080	*6340	5100					
	lb			*20020	*20020	*13980	11240					

5.10 m (16’ 9”) / Arm : 2.60 m (8’ 6”) / Bucket : 0.76 m³ (0.92 yd) SAE heaped / Shoe : 600mm(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	
														m (ft)	
6.0 m (20 ft)	kg														
	lb														
4.5 m (15 ft)	kg														
	lb														
3.0m (10 ft)	kg														
	lb														
1.5 m (5 ft)	kg														
	lb														
Ground Line	kg														
	lb														
-1.5 m (-5 ft)	kg														
	lb														
-3.0 m (-10 ft)	kg														
	lb														
-4.5 m (-15 ft)	kg														
	lb														

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HX180NL - MONO BOOM											
5.10 m (16' 9") / Arm : 2.20 m (7' 3") / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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	
											
7.5 m (25 ft)	kg									*3700	*3700
	lb									*8160	*8160
6.0 m (20 ft)	kg									*3620	2580
	lb									*7980	5690
4.5 m (15 ft)	kg					*4530	*4530	*4060	3280	*3640	2080
	lb					*9990	*9990	*8950	7230	*8020	4590
3.0m (10 ft)	kg			*9050	*9050	*5750	4970	*4550	3140	3380	1850
	lb			*19950	*19950	*12680	10960	*10030	6920	7450	4080
1.5 m (5 ft)	kg					*6980	4610	*5110	2980	3300	1780
	lb					*15390	10160	*11270	6570	7280	3920
Ground Line	kg			*7160	*7160	*7630	4390	5300	2860	3450	1860
	lb			*15790	*15790	*16820	9680	11680	6310	7610	4100
-1.5 m (-5 ft)	kg	*7070	*7070	*11190	8250	*7540	4330	5250	2820	*3920	2140
	lb	*15590	*15590	*24670	18190	*16620	9550	11570	6220	*8640	4720
-3.0 m (-10 ft)	kg	*11260	*11260	*9570	8410	*6620	4390			*3710	2840
	lb	*24820	*24820	*21100	18540	*14590	9680			*8180	6260
-4.5 m (-15 ft)	kg			*6220	*6220						
	lb			*13710	*13710						

5.10 m (16' 9") / Arm : 2.60 m (8' 6") / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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)	
											
7.5 m (25 ft)	kg									*3340	3330
	lb									*7360	7340
6.0 m (20 ft)	kg							*2990	*2990	*3310	2340
	lb							*6590	*6590	*7300	5160
4.5 m (15 ft)	kg							*3720	3300	*3370	1910
	lb							*8200	7280	*7430	4210
3.0m (10 ft)	kg			*7870	*7870	*5270	5020	*4260	3150	*2780	2120
	lb			*17350	*17350	*11620	11070	*9390	6940	*6130	4670
1.5 m (5 ft)	kg			*8160	*8160	*6610	4630	*4880	2970	*3610	2040
	lb			*17990	*17990	*14570	10210	*10760	6550	*7960	4500
Ground Line	kg			*7950	*7950	*7450	4370	5270	2830	*3430	1980
	lb			*17530	*17530	*16420	9630	11620	6240	*7560	4370
-1.5 m (-5 ft)	kg	*6750	*6750	*10730	8140	*7570	4260	5190	2760		
	lb	*14880	*14880	*23660	17950	*16690	9390	11440	6080		
-3.0 m (-10 ft)	kg	*10030	*10030	*10220	8260	*6910	4290	*4820	2790		
	lb	*22110	*22110	*22530	18210	*15230	9460	*10630	6150		
-4.5 m (-15 ft)	kg			*7420	*7420	*4910	4470				
	lb			*16360	*16360	*10820	9850				

5.10 m (16' 9") / Arm : 3.10 m (11' 1") / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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)	
											
7.5 m (25 ft)	kg									*2960	2830
	lb									*6530	6240
6.0 m (20 ft)	kg							*2830	*2830	*2980	2070
	lb							*6240	*6240	*6570	4560
4.5 m (15 ft)	kg							*3310	*3310	*3050	1710
	lb							*7300	*7300	*6720	3770
3.0m (10 ft)	kg					*4660	*4660	*3880	3170	*3050	2120
	lb					*10270	*10270	*8550	6990	*6720	4670
1.5 m (5 ft)	kg			*10170	8790	*6110	4680	*4570	2970	3760	2030
	lb			*22420	19380	*13470	10320	*10080	6550	8290	4480
Ground Line	kg			*8710	8190	*7170	4370	*5130	2810	3670	1940
	lb			*19200	18060	*15810	9630	*11310	6190	8090	4280
-1.5 m (-5 ft)	kg	*6350	*6350	*10370	8040	*7530	4210	*5140	2710	*3200	1900
	lb	*14000	*14000	*22860	17730	*16600	9280	11330	5970	*7050	4190
-3.0 m (-10 ft)	kg	*8990	*8990	*10850	8100	*7150	4200	*5070	2700		
	lb	*19820	*19820	*23920	17860	*15760	9260	*11180	5950		
-4.5 m (-15 ft)	kg	*12470	*12470	*8590	8330	*5740	4310				
	lb	*27490	*27490	*18940	18360	*12650	9500				

1. Lifting capacity are based on SAE J1097 and ISO 10567.
2. Lifting capacity of the ROBEX 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.

 Rating over-front  Rating over-side or 360 degree

HX180NL - 2 PIECE BOOM											
5.10 m (16' 9") / Arm : 2.60 m (8' 6") / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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)	
											
6.0 m (20 ft)	kg										
	lb										
4.5 m (15 ft)	kg							*4110	3270		
	lb							*9060	7210		
3.0m (10 ft)	kg					*5800	4960	*4560	3130		
	lb					*12790	10930	*10050	6900		
1.5 m (5 ft)	kg					*6940	4570	*5080	2960	*3390	2040
	lb					*15300	10080	*11200	6530	*7470	4500
Ground Line	kg			*6260	*6260	*7520	4350	5300	2830		
	lb			*13800	*13800	*16580	9590	11730	6240		
-1.5 m (-5 ft)	kg	*6250	*6250	*10390	8200	*7360	4290	5270	2790		
	lb	*13780	*13780	*20910	18080	*16230	9460	11620	6450		
-3.0 m (-10 ft)	kg			*0980	8390	*6340	5010				
	lb			*20020	18500	*13980	9610				

5.10 m (16' 9") / Arm : 2.60 m (8' 6") / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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)	
											
6.0 m (20 ft)	kg										
	lb										
4.5 m (15 ft)	kg										
	lb										
3.0m (10 ft)	kg							*4280	3140	*3190	2100
	lb							*9440	6920	*7030	4630
1.5 m (5 ft)	kg			*7050	*7050	*6590	4600	*4860	2950	3790	2020
	lb			*15540	*15540	*14530	10140	*10710	6500	8360	4450
Ground Line	kg			*7110	*7110	*7360	4320	*5270	2800	3720	1960
	lb			*15670	*15670	*16230	9520	*11620	6170	8200	4320
-1.5 m (-5 ft)	kg	*6090	*6090	*10020	8070	*7410	4220	5210	2730		
	lb	*13430	*13430	*22090	17790	*16340	9300	11490	6020		
-3.0 m (-10 ft)	kg	*9550	*9550	*9790	8210	*6670	4260	*4630	2770		
	lb	*21050	*21050	*21580	18100	*14700	9390	*10210	6110		
-4.5 m (-15 ft)	kg			*6770	*6770	*4500	4470				
	lb			*14930	*14930	*9920	9850				</

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HX180LD - MONO BOOM

5.10 m (16’ 9”) / Arm : 2.20 m (7’ 3”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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		Reach
												m (ft)
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)
3.0m (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							

5.10 m (16’ 9”) / Arm : 2.20 m (7’ 3”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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									*3700	*3700	5.60
	lb									*8160	*8160	(18.4)
6.0 m (20 ft)	kg									*3620	3260	6.98
	lb									*7980	7190	(22.9)
4.5 m (15 ft)	kg					*4530	*4530	*4070	*4070	*3650	2670	7.76
	lb					*9990	*9990	*8970	*8970	*8050	5890	(25.5)
3.0m (10 ft)	kg			*9060	*9060	*5750	*5750	*4560	3990	*3720	2400	8.15
	lb			*19970	*19970	*12680	*12680	*10050	8800	*8200	5290	(26.7)
1.5 m (5 ft)	kg					*6990	5920	*5120	3820	*3810	2330	8.20
	lb					*15410	13050	*11290	8420	*8400	5140	(26.9)
Ground Line	kg			*7160	*7160	*7640	5700	*5480	3700	*3900	2430	7.94
	lb			*15790	*15790	*16840	12570	*12080	8160	*8600	5360	(26.0)
-1.5 m (-5 ft)	kg	*7070	*7070	*11190	11090	*7550	5630	*5410	3660	*3920	2770	7.31
	lb	*15590	*15590	*24670	24450	*16640	12410	*11930	8070	*8640	6110	(24.0)
-3.0 m (-10 ft)	kg	*11260	*11260	*9580	*9580	*6630	5700			*3710	3640	6.19
	lb	*24820	*24820	*21120	*21120	*14620	12570			*8180	8020	(20.3)
-4.5 m (-15 ft)	kg			*6230	*6230							
	lb			*13730	*13730							

5.10 m (16’ 9”) / Arm : 2.60 m (8’ 6”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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)
7.5 m (25 ft)	kg											*3340	6.11
	lb											*7360	(20.0)
6.0 m (20 ft)	kg							*2990	*2990			*3310	7.37
	lb							*6590	*6590			*7300	(24.2)
4.5 m (15 ft)	kg							*3720	*3720			*3370	8.11
	lb							*8200	*8200			*7430	(26.6)
3.0m (10 ft)	kg			*7870	*7870	*5270	*5270	*4260	3790	*2780	2590	*3460	8.48
	lb			*17350	*17350	*11620	*11620	*9390	8360	*6130	5710	*7630	(27.8)
1.5 m (5 ft)	kg			*8160	*8160	*6610	5610	*4880	3600	*3610	2510	3510	8.53
	lb			*17990	*17990	*14570	12370	*10760	7940	*7960	5530	7740	(28.0)
Ground Line	kg			*7950	*7950	*7450	5340	*5340	3460	*3430	2440	3640	8.28
	lb			*17530	*17530	*16420	11770	*11770	7630	*7560	5380	8020	(27.2)
-1.5 m (-5 ft)	kg	*6750	*6750	*10730	10190	*7570	5230	*5420	3390			*3760	7.69
	lb	*14880	*14880	*23660	22470	*16690	11530	*11950	7470			*8290	(25.2)
-3.0 m (-10 ft)	kg	*10030	*10030	*10220	*10220	*6910	5260	*4820	3420			*3700	6.64
	lb	*22110	*22110	*22530	*22530	*15230	11600	*10630	7540			*8160	(21.8)
-4.5 m (-15 ft)	kg			*7420	*7420	*4910	*4910						
	lb			*16360	*16360	*10820	*10820						

1. Lifting capacity are based on SAE J1097 and ISO 10567.
2. Lifting capacity of the ROBEX 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.

 Rating over-front  Rating over-side or 360 degree

HX180LD - MONO BOOM

5.10 m (16’ 9”) / Arm : 2.60 m (8’ 6”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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)
7.5 m (25 ft)	kg											*3340	*3340	6.11
	lb											*7360	*7360	(20.0)
6.0 m (20 ft)	kg							*2990	*2990			*3310	2970	7.37
	lb							*6590	*6590			*7300	6550	(24.2)
4.5 m (15 ft)	kg							*3720	*3720			*3300	2460	8.11
	lb							*8200	*8200			*7430	5420	(26.6)
3.0m (10 ft)	kg			*7870	*7870	*5270	*5270	*4260	3990	*2780	2730	*3460	2220	8.48
	lb			*17350	*17350	*11620	*11620	*9390	8800	*6130	6020	*7630	4890	(27.8)
1.5 m (5 ft)	kg			*8160	*8160	*6610	5950	*4880	3810	*3610	2660	*3560	2150	8.53
	lb			*17990	*17990	*14570	13120	*10760	8400	*7960	5860	*7850	4740	(28.0)
Ground Line	kg			*7950	*7950	*7450	5670	*5340	3670	*3430	2590	*3680	2230	8.28
	lb			*17530	*17530	*16420	12500	*11770	8090	*7560	5710	*8110	4920	(27.2)
-1.5 m (-5 ft)	kg	*6750	*6750	*10730	*10730	*7570	5560	*5420	3590			*3760	2510	7.69
	lb	*14880	*14880	*23660	*23660	*16690	12260	*11950	7910			*8290	5530	(25.2)
-3.0 m (-10 ft)	kg	*10030	*10030	*10220	*10220	*6910	5590	*4820	3620			*3700	3200	6.64
	lb	*22110	*22110	*22530	*22530	*15230	12320	*10630	7980			*8160	7050	(21.8)
-4.5 m (-15 ft)	kg			*7420	*7420	*4910	*4910							
	lb			*16360	*16360	*10820	*10820							

5.10 m (16’ 9”) / Arm : 2.60 m (8’ 6”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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)		
7.5 m (25 ft)	kg lb											*2960 *6530	*2960 *6530	6.73 (22.1)		
6.0 m (20 ft)	kg lb							*2830 *6240	*2830 *6240			*2980 *6570	2510 5530	7.88 (25.9)		
4.5 m (15 ft)	kg lb							*3310 *7300	*3310 *7300	*2090 *4610	*2090 *4610	*3050 *6720	2100 4630	8.57 (28.1)		
3.0 m (10 ft)	kg lb					*4660 *10270	*4660 *10270	*3880 *8550	3810 8400	*3050 *6720	2590 5710	*3150 *6940	1900 4190	8.91 (29.2)		
1.5 m (5 ft)	kg lb			*10170 *22420	*10170 *22420	*6110 *13470	5670 12500	*4570 *10080	3610 7960	*3800 *8380	2490 5490	3220 7100	1830 4030	8.96 (29.4)		
Ground Line	kg lb			*8710 *19200	*8710 *19200	*7170 *15810	5340 11770	*5130 *11310	3440 7580	*4050 *8930	2410 5310	3320 7320	1890 4170	8.73 (28.6)		
-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	*3530 *7780	2100 4630	8.17 (26.8)
-3.0 m (-10 ft)	kg lb			*8990 *19820	*8990 *19820	*10850 *23920	10160 22400	*7150 *15760	5170 11400	*5070 *11180	3330 7340			*3580 *7890	2600 5730	7.21 (23.7)
-4.5 m (-15 ft)	kg lb			*12470 *27490	*12470 *27490	*8590 *18940	*8590 *18940	*5740 *12650	5290 11660					*3320 *7320	*3320 *7320	5.59 (18.3)

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HX180LD - 2 PIECE BOOM

5.10 m (16’ 9”) / Arm : 2.20 m (7’ 3”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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						*3680 3020	7.06	
	lb						*8110 6660	(23.2)	
4.5 m (15 ft)	kg				*4110 3920		*3640 2460	7.83	
	lb				*9060 8640		*8020 5420	(25.5)	
3.0m (10 ft)	kg			*5800 *5800	*4560 3770		*3660 2220	8.21	
	lb			*12790 *12790	*10050 8310		*8070 4890	(26.9)	
1.5 m (5 ft)	kg			*6940 5570	*5080 3600	*3390 2510	*3700 2150	8.27	
	lb			*15300 12280	*11200 7940	*7470 5530	*8160 4740	(27.1)	
Ground Line	kg		*6260 *6260	*7520 5330	*5390 3470		*3720 2250	8.01	
	lb		*13800 *13800	*16580 11750	*11880 7650		*8200 4960	(26.3)	
-1.5 m (-5 ft)	kg	*6250 *6250	*10390 10280	*7360 5270	*5270 3430		*3640 2570	7.39	
	lb	*13780 *13780	*22910 22660	*16230 11620	*11620 7560		*8020 5670	(24.2)	
-3.0 m (-10 ft)	kg		*9080 *9080	*6340 5350			*3240 *3240	6.28	
	lb		*20020 *20020	*13980 11790			*7140 *7140	(20.6)	

5.10 m (16’ 9”) / Arm : 2.20 m (7’ 3”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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						*3680 3190	7.06	
	lb						*8110 7030	(23.2)	
4.5 m (15 ft)	kg				*4110 *4110		*3640 2610	7.83	
	lb				*9060 *9060		*8020 5750	(25.5)	
3.0m (10 ft)	kg			*5800 *5800	*4560 3990		*3660 2350	8.21	
	lb			*12790 *12790	*10050 8800		*8070 5180	(26.9)	
1.5 m (5 ft)	kg			*6940 5910	*5080 3810	*3390 2660	*3700 2280	8.27	
	lb			*15300 13030	*11200 8400	*7470 5860	*8160 5030	(27.1)	
Ground Line	kg		*6260 *6260	*7520 5330	*5390 3680		*3720 2390	8.01	
	lb		*13800 *13800	*16580 11750	*11880 8110		*8200 5270	(26.3)	
-1.5 m (-5 ft)	kg	*6250 *6250	*10390 *10390	*7360 5610	*5270 3640		*3640 2730	7.39	
	lb	*13780 *13780	*22910 *22910	*16230 12370	*11620 8020		*8020 6020	(24.2)	
-3.0 m (-10 ft)	kg		*9080 *9080	*6340 5690			*3240 *3240	6.28	
	lb		*20020 *20020	*13980 12540			*7140 *7140	(20.6)	

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

2. Lifting capacity of the ROBEX 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.

 Rating over-front  Rating over-side or 360 degree

HX180LD - 2 PIECE BOOM

5.10 m (16’ 9”) / Arm : 2.60 m (8’ 6”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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						*3380 2740	7.48	
	lb						*7450 6040	(24.5)	
4.5 m (15 ft)	kg						*3370 2270	8.20	
	lb						*7430 5000	(26.9)	
3.0m (10 ft)	kg				*4280 3790	*3190 2570	*3410 2040	8.57	
	lb				*9440 8360	*7030 5670	*7520 4500	(28.1)	
1.5 m (5 ft)	kg		*7050 *7050	*6590 5600	*4860 3590	*3980 2490	3460 1980	8.62	
	lb		*15540 *15540	*14530 12350	*10710 7910	*8770 5490	7630 4370	(28.3)	
Ground Line	kg		*7110 *7110	*7360 5310	*5270 3440	*3980 2430	*3510 2060	8.37	
	lb		*15670 *15670	*16230 11710	*11620 7580	*8770 5360	*7740 4540	(27.5)	
-1.5 m (-5 ft)	kg	*6090 *6090	*10020 *10020	*7410 5200	*5300 3370		*3500 2320	7.78	
	lb	*13430 *13430	*22090 *22090	*16340 11460	*11680 7530		*7720 5110	(25.5)	
-3.0 m (-10 ft)	kg	*9550 *9550	*9790 *9790	*6670 5240	*4630 3410		*3280 2960	6.76	
	lb	*21050 *21050	*21580 *21580	*14700 11550	*10210 7520		*7230 6530	(22.2)	
-4.5 m (-15 ft)	kg		*6770 *6770	*4500 *4500					
	lb		*14930 *14930	*9920 *9920					

5.10 m (16’ 9”) / Arm : 2.60 m (8’ 6”) / Bucket : 0.76 m³ (0.92 yd³) SAE heaped / Shoe : 600mm(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						*3380 2890	7.48	
	lb						*7450 6370	(24.5)	
4.5 m (15 ft)	kg						*3370 2400	8.20	
	lb						*7430 5290	(26.9)	
3.0m (10 ft)	kg				*4280 4000	*3190 2730	*3410 2170	8.57	
	lb				*9440 8820	*7030 6020	*7520 4780	(28.1)	
1.5 m (5 ft)	kg		*7050 *7050	*6590 5940	*4860 3800	*3980 2640	*3470 2100	8.62	
	lb		*15540 *15540	*14530 13100	*10710 8380	*8770 5820	*7650 4630	(28.3)	
Ground Line	kg		*7110 *7110	*7360 5650	*5270 3650	*3980 2580	*3510 2190	8.37	
	lb		*15670 *15670	*16230 12460	*11620 8050	*8770 5690	*7740 4830	(27.5)	
-1.5 m (-5 ft)	kg	*6090 *6090	*10020 *10020	*7410 5540	*5300 3580		*3500 2460	7.78	
	lb	*13430 *13430	*22090 *22090	*16340 12210	*11680 7890		*7720 5420	(25.5)	
-3.0 m (-10 ft)	kg	*9550 *9550	*9790 *9790	*6670 5580	*4630 3620		*3280 3130	6.76	
	lb	*21050 *21050	*21580 *21580	*14700 12300	*10210 7980		*7230 6900	(22.2)	
-4.5 m (-15 ft)	kg		*6770 *6770	*4500 *4500					
	lb		*14930 *14930	*9920 *9920					

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

2. Lifting capacity of the ROBEX 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.