

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	●	
Hyundai Bio Hydraulic Oil (HBHO)		●
CAB & INTERIOR		
ISO Standard cabin		
Rise-up type windshield wiper	●	
Radio / USB player	●	
Handsfree mobile phone system with USB	●	
12 volt power outlet (24V DC to 12V DC converter)	●	
Electric horn	●	
All-weather steel cab with 360° visibility	●	
Safety glass windows	●	
Sliding fold-in front window	●	
Sliding side window(LH)	●	
Lockable door	●	
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 warning with alarm		●
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		●
Seat		
Adjustable air suspension seat with heater		●
Cabin FOPS (ISO 10262) Level 2		
FOPS (Falling Object Protective Structure) · ISO 10262 Level 2		●
Cabin ROPS (ISO 12117-2)		
ROPS (Roll Over Protective Structure)	●	

SAFETY	STD	OPT
Battery master switch	●	
Rearview camera		●
AAVM (Advanced Around View Monitoring)		●
Front working lights(2 boom mounted, 2 front frame mounted)	●	
Travel alarm		●
Rear work lamp		●
Beacon lamp		●
Automatic swing brake	●	
Boom holding system	●	
Arm holding system	●	
Safety lock valve for boom cylinder with overload warning device		●
Safety lock valve for arm cylinder		●
Swing Lock System		●
Outside rearview mirror	●	
OTHER		
Booms		
4.6 m, 15' 1"	●	
4.1 m, 13' 5" (Domestic)		●
4.9 m, 16' 1"		●
Arms		
2.1 m, 6' 11"		●
2.5 m, 8' 2"	●	
1.9 m, 6' 3"		●
3.0 m, 9' 10"		●
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 (20 L/min)		●
Single-acting piping kit (breaker, etc.)		●
Double-acting piping kit (clamshell, etc.)		●
Rotating Piping Kit		●
Quick coupler piping		●
Quick coupler		●
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)	●	
Track shoes		
Triple grousers shoes (500mm, 20")		●
Triple grousers shoe (600 mm, 24")	●	
Triple grousers shoe (700 mm, 28")		●
Rubber pad (500 mm, 20")		●
Track pad (500 mm, 20")		●
Track pad (600 mm, 24")		●

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

 HYUNDAI CONSTRUCTION EQUIPMENT

Head Office (Sales office)

First tower, 55, Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, Korea

PLEASE CONTACT

www.hyundai-ce.com

2020. 07 Rev.10

MOVING YOU FURTHER

HX145LCR

With Tier4 final / Stage IV Engine installed



Net Power

SAE J1349 / 116 Hp (87 kW) at 1,950 rpm

Gross Power

SAE J1995 / 124 Hp (92.6 kW) at 1,950 rpm

Operating Weight

15,160 kg / 33,420 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 customer's expectation!
Become a true leader on the ground with HHI's HX series.

HX145_{LCR}



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



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
- Operating Simulation for Joy & Achievement
- Proportional Auxiliary Hydraulic System
- New Audio System
- New Air Conditioning System



MODERN COMFORT, SIMPLE AND SAFE SOLUTION

- Easy Access to DEF/AdBlue® Supply System
- Hi MATE (Remote Management System) **Option**
- Viscous Suspension Mount
- 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 6% faster and levels up to 5% faster than the 9 Series.

WORK MAX, WORTH MAX

Fuel Efficient System, Allows Great Performance

The HX Series has an eco-friendly, high-performance engine which ensures both excellent fuel efficiency and high power. With outstanding operating performance proven by rigorous tests at various work sites, it will satisfy any customer's needs.



ECO Gauge

Eco Gauge enable economic operation of machines. The gauge level and color displays engine torque and fuel efficiency level. On top of that, the status of fuel consumption such as average rate and the total amount of fuel consumed are displayed. Hourly and daily based fuel consumption can be checked in the detailed menu as well.



IPC (Intelligent Power Control)

The IPC controls Power 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.



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 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.

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.



*Photo may include optional equipment.

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.



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.



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)	124 Hp (92.6 kW) / 1,950 rpm	
		J1349 (net)	116 Hp (87 kW) / 1,950 rpm	
	DIN	6271/1 (gross)	126 PS (92.7 kW) / 1,950 rpm	
		6271/1 (net)	118 PS (87 kW) / 1,950 rpm	
Max. torque			54.0 kgf.m(391 lbf.ft)/ 1,400 rpm	
Bore X stroke			105 x 127 mm (4.1" x 5.0")	
Piston displacement			4,400cc (268.5 in3)	
Batteries			2 X 12V X 100AH	
Starting motor			24V- 4.5kW	
Alternator			24V- 100Amp	

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Variable displacement tandem axis piston pumps
Max. flow	2 X 126.8L/min (33.5 US gpm / 27.9 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 (5,410 psi)
Swing circuit	285 kgf/cm ² (4,050 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS		
No. of cylinder bore X stroke	Boom: 2~105 X 1,105 mm (4.1" X 43.5")	
	Arm: 1~115 X 1,138 mm (4.5" X 44.8")	
	Bucket: 1~100 X 850 mm (3.9" X 33.1")	
	Blade: 2~100 X 250 mm (3.9" X 9.8")	
2 pcs Boom	1st:	2~105 X 995 mm (4.1" X 39.2")
	2nd:	1~145 X 613 mm (5.7" X 24.1")

* Hyundai Bio Hydraulic Oil (HBHO) available

DRIVES & BRAKES	
Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	12,000 kgf (26,455 lbf)
Max. travel speed (high / low)	5.5 km/hr (3.4 mph) / 3.3 km/hr (2.1 mph)
Gradeability	35° (70%)
Parking brake	Multi wet disc

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

SWING SYSTEM	
Swing motor	Fixed displacement axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	11.2 rpm

SERVICE REFILL CAPACITIES (): option			
Re-filling	liter	US gal	UK gal
Fuel tank	265	70.0	58.3
Engine coolant	14.5	3.8	3.2
Engine oil	10.5	2.8	2.3
Swing device	3.5 (2.5)	0.9 (0.7)	0.7 (0.5)
Final drive (each)	2.3	0.6	0.5
Hydraulic system (including tank)	180	47.6	39.6
Hydraulic tank	96	25.4	21.1
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	
	HX145LCR	HX145CR
No. of shoes on each side	47 EA	45 EA
No. of carrier roller on each side	2 EA	1 EA
No. of track roller on each side	7 EA	7 EA
No. of rail guard on each side	1 EA	

OPERATING WEIGHT (APPROXIMATE)	
Operating weight, including 4,600mm (15' 1") boom, 2,500mm (8' 2") arm, SAE heaped 0.52m3 (0.68 yd3) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.	

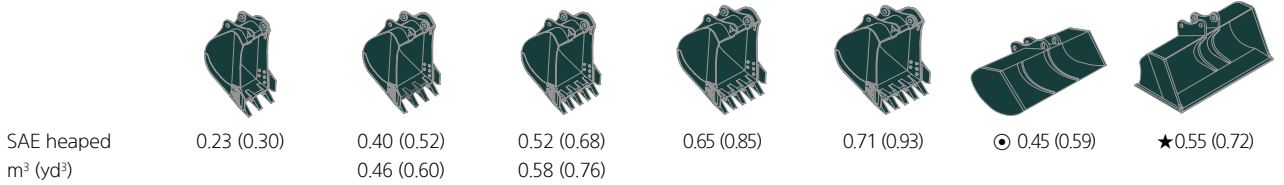
OPERATING WEIGHT			
Shoes	Operating weight		Ground pres-sure
Type	Width mm (in)	kg (lb)	kgf/cm ² (psi)
500 (20")	HX145CR	14,780 (32,580)	0.47 (6.68)
	HX145CR (Dozer type)	15,580 (34,350)	0.50 (7.11)
	HX145LCR	14,950 (32,960)	0.45 (6.40)
	HX145LCR (Dozer type)	15,750 (34,720)	0.47 (6.68)
	HX145CR	14,990 (33,050)	0.40 (5.69)
Triple grouser 600 (24")	HX145CR (Dozer type)	15,790 (34,810)	0.42 (5.97)
	HX145LCR	15,160 (33,420)	0.38 (5.40)
	HX145LCR (Dozer type)	15,960 (35,190)	0.40 (5.69)
	HX145CR	15,200 (33,510)	0.35 (4.98)
700 (28")	HX145CR (Dozer type)	1,600 (35,270)	0.36 (5.12)
	HX145LCR	15,370 (33,880)	0.33 (4.69)
	HX145LCR (Dozer type)	16,170 (35,650)	0.35 (4.98)

AIR CONDITIONING SYSTEM	
The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430)	
The system hold 0.75kg refrigerant consisting of a CO ₂ equivalent 1.07kg metric tonne. For more information, Please refer to the manual.	

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

All buckets are welded with high-strength steel.



Capacity m ³ (yd ³)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft.in)					
					4,600 (15' 1") Boom				4,900 (16' 1") 2-Piece	
SAE heaped	CECE heaped	Without side cutters	With side cutters		1,900 (6' 3") Arm	2,100 (6' 11") Arm	2,500 (8' 2") Arm	3,000 (9' 10") Arm	2,100 (6'11") Arm	2,500 (8' 2") Arm
0.23 (0.30)	0.20(0.26)	520(20.5)	620(24.4)	335(740)	●	●	●	■	●	●
0.40 (0.52)	0.35(0.46)	750(29.5)	850(33.5)	410(900)	●	●	●	■	●	●
0.46 (0.60)	0.40(0.52)	840(33.1)	940(37.0)	435(960)	●	●	●	▲	●	■
0.52 (0.68)	0.45(0.59)	915(36.0)	1,015(40.0)	460(1,010)	●	●	●	-	■	■
0.58 (0.76)	0.50(0.65)	1,000(39.4)	1,100(43.3)	480(1,060)	●	●	■	-	■	▲
0.65 (0.85)	0.55(0.72)	1,105(43.5)	1,205(47.4)	500(1,100)	■	■	▲	-	▲	-
0.71 (0.93)	0.60(0.78)	1,190(46.9)	1,290(50.8)	540(1,190)	▲	▲	-	-	-	-
◎0.45 (0.59)	0.40(0.52)	1,520(59.8)	-	410(900)	●	●	■	-	●	■
★0.55 (0.72)	0.45(0.59)	1,800(70.9)	-	585(1,290)	■	▲	▲	-	■	▲

- ◎ Ditching bucket
★ Slope finishing bucket
- : Applicable for materials with density of 2,000 kgf/m³ (3,370 lbf/yd³) or less
■ : Applicable for materials with density of 1,600 kgf/m³ (2,700 lbf/yd³) or less
▲ : Applicable for materials with density of 1,100 kgf/m³ (1,850 lbf/yd³) or less

ATTACHMENT

Booms and arms are welded, a low-stress, full-box section design. 4.6 m (15' 1"), 4.9 m (16' 1") boom and 1.9 m (6' 3"), 2.1 m (6' 11"), 2.5 m (8' 2"), 3.0 m (9' 10")arms are available.

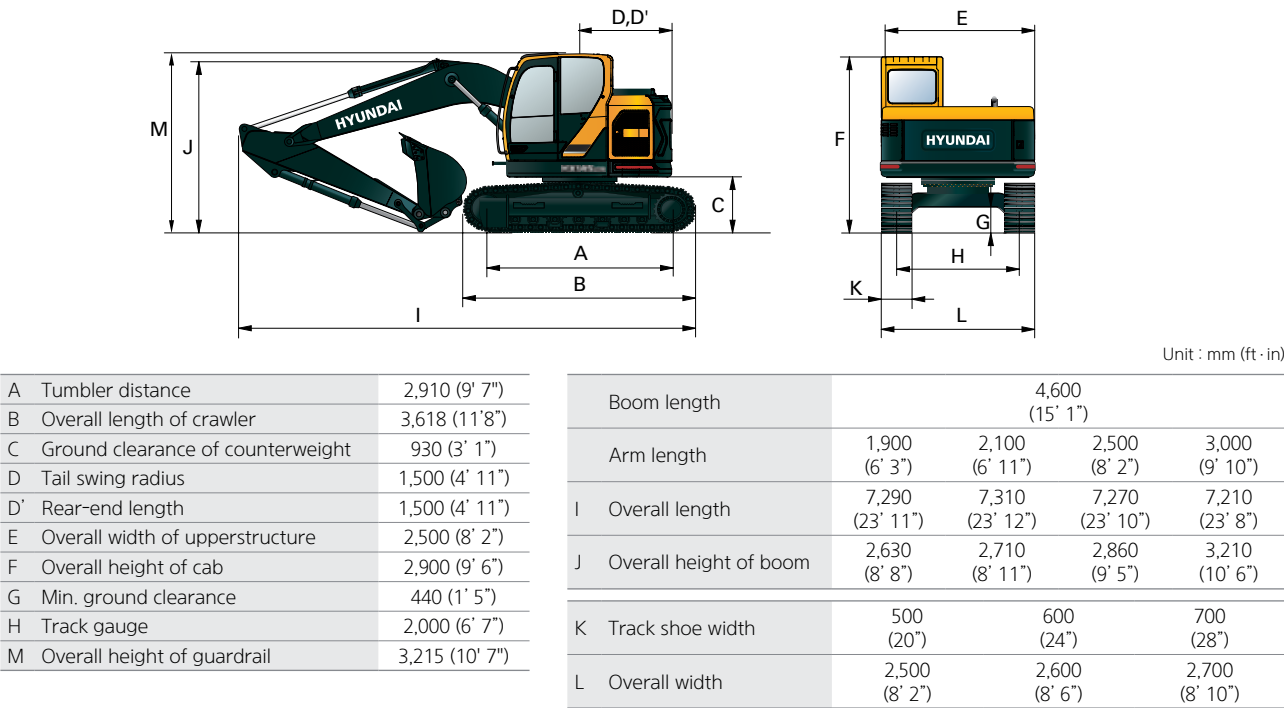
DIGGING FORCE							
Arm	Length	mm (ft.in)	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")	Remark
	Weight	kg (lb)	560 (1,230)	580 (1,280)	610 (1,340)	670 (1,480)	
Bucket digging force	SAE	kN	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]	87.3 [94.8]	[] : Power Boost
		kgf	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]	8,900 [9,660]	
		lbf	19,620 [21,300]	19,620 [21,300]	19,620 [21,300]	19,620 [21,300]	
	ISO	kN	102 [110.8]	102 [110.8]	102 [110.8]	102 [110.8]	
		kgf	10,400 [11,290]	10,400 [11,290]	10,400 [11,290]	10,400 [11,290]	
		lbf	22,930 [24,890]	22,930 [24,890]	22,930 [24,890]	22,930 [24,890]	
Arm crowd force	SAE	kN	76.5 [83.1]	73.6 [79.9]	62.8 [68.2]	55.9 [60.7]	
		kgf	7,800 [8,470]	7,500 [8,140]	6,400 [6,950]	5,700 [6,190]	
		lbf	17,200 [18,670]	16,530 [17,950]	14,110 [15,320]	12,570 [13,640]	
	ISO	kN	80.4 [87.3]	77.5 [84.1]	65.7 [71.4]	57.9 [62.8]	
		kgf	8,200 [8,900]	7,900 [8,580]	6,700 [7,270]	5,900 [6,410]	
		lbf	18,080 [19,630]	17,420 [18,910]	14,770 [16,040]	13,010 [14,120]	

Note : Arm weight includes bucket cylinder, linkage, and pin

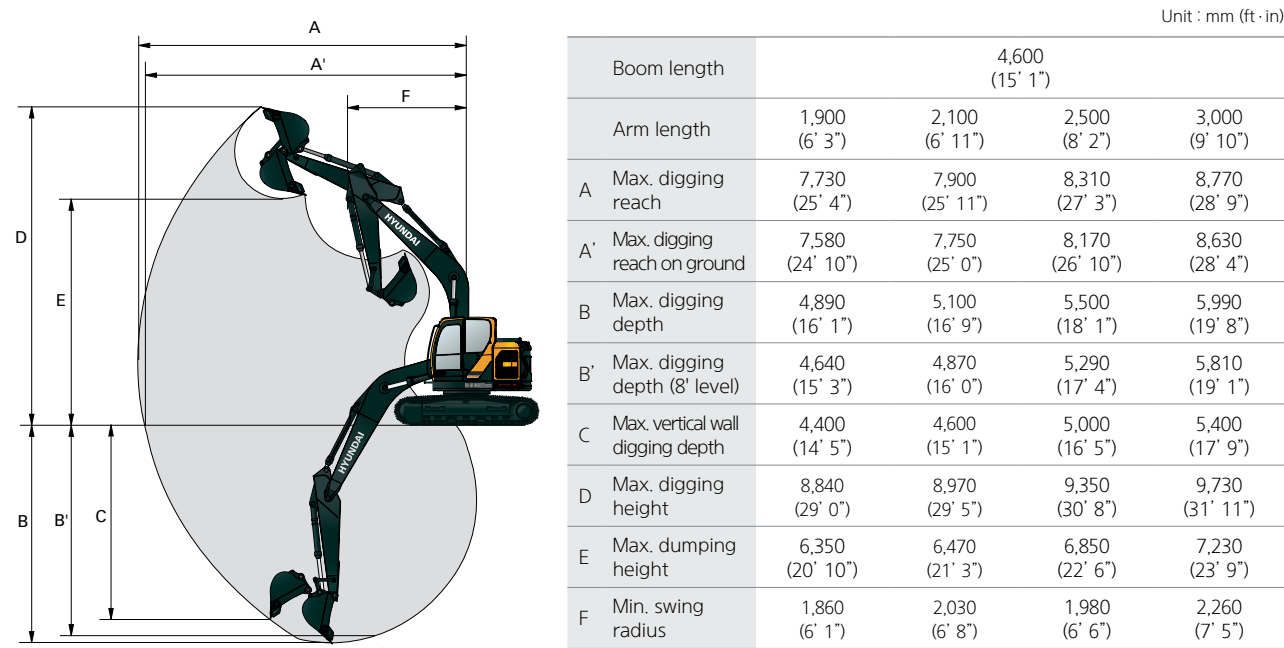
DIMENSIONS & WORKING RANGE

HX145CR DIMENSIONS

4.6 m (15' 1") BOOM and 1.9 m (6' 0"), 2.1 m (6' 11"), 2.5 m (8' 2"), 3.0 m (9' 10") ARM

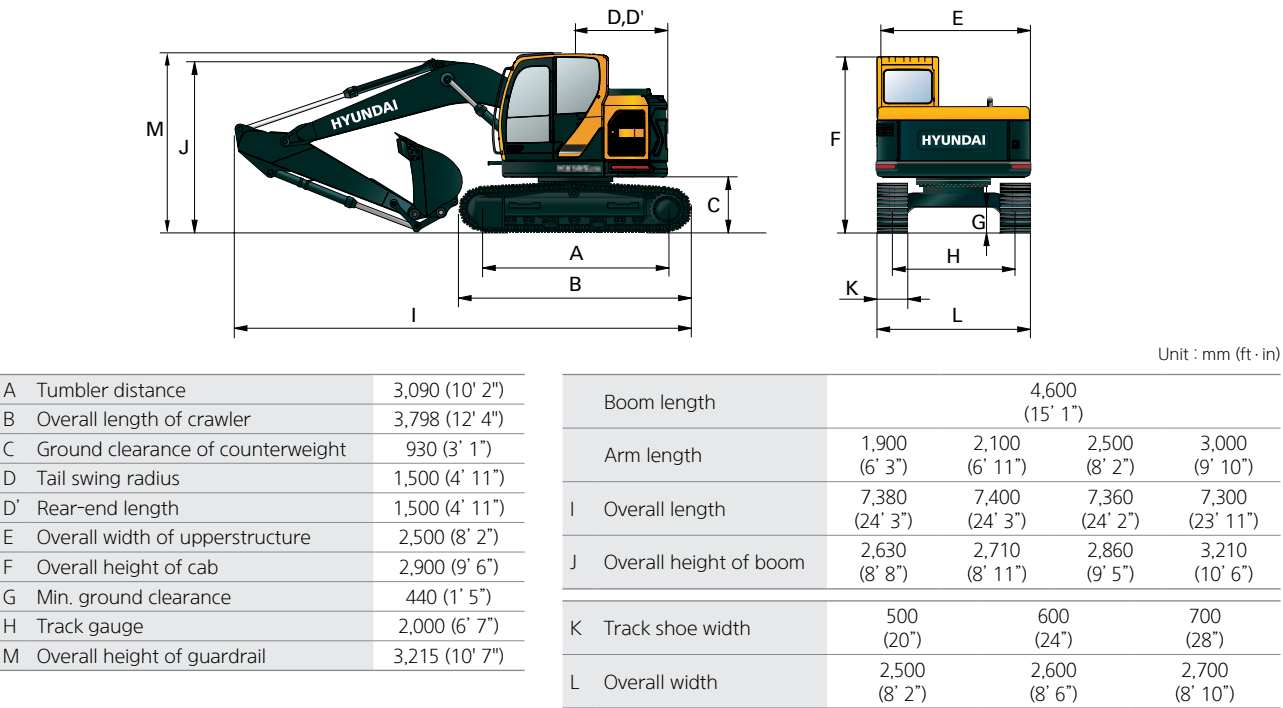


HX145CR WORKING RANGE

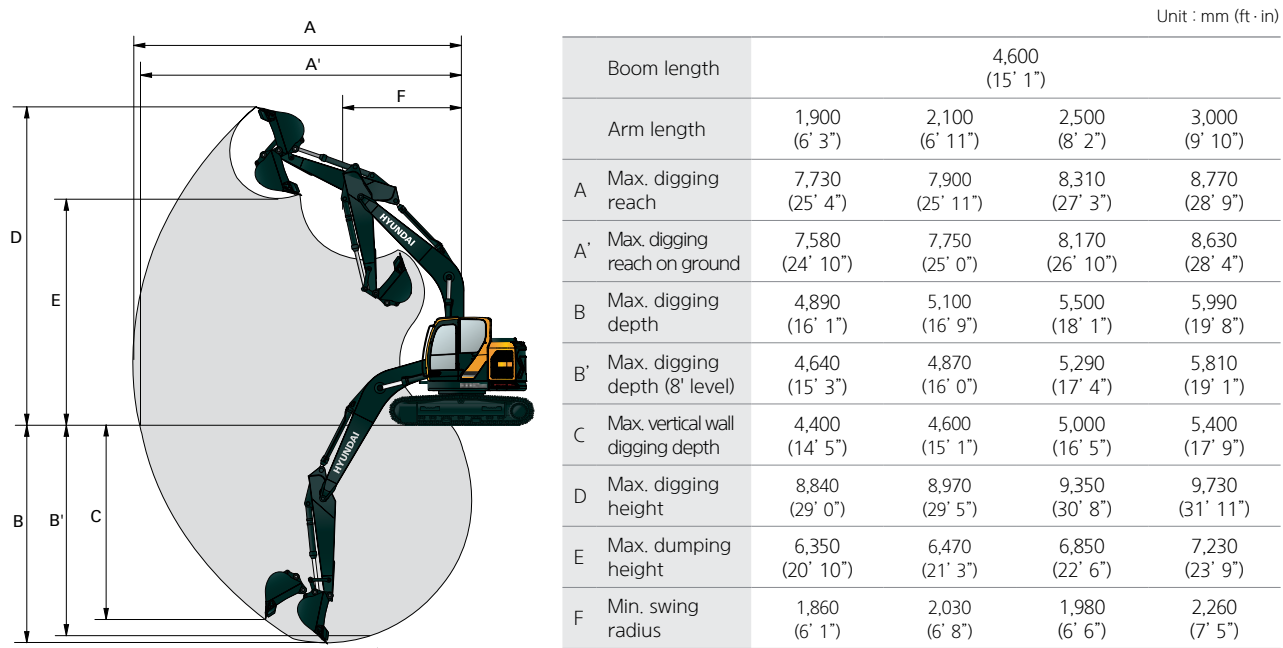


HX145LCR DIMENSIONS

4.6 m (15' 1") BOOM and 2.1 m (6' 11"), 2.5 m (8' 2"), 3.0 m (9' 10") ARM



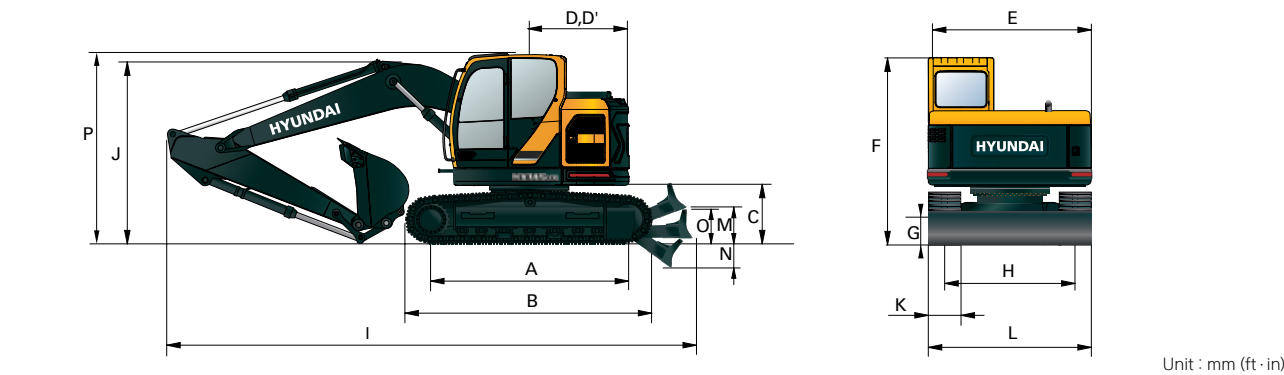
HX145LCR WORKING RANGE



DIMENSIONS & WORKING RANGE

HX145CR (DOZER TYPE) DIMENSIONS

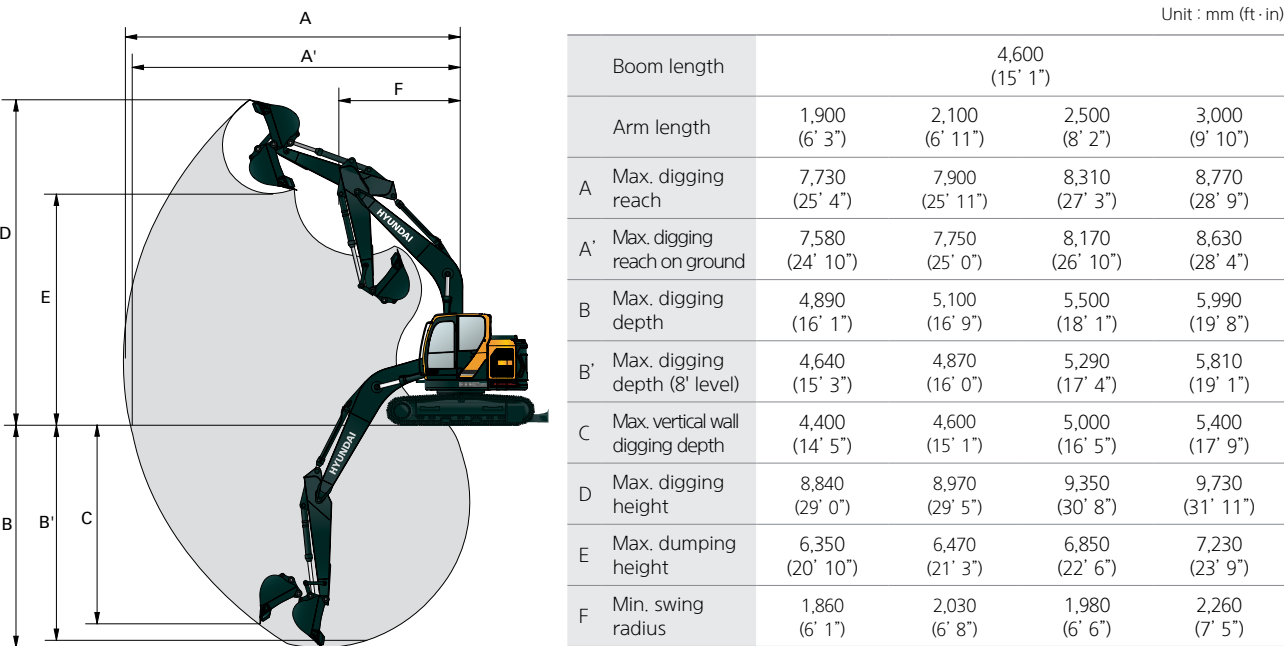
4.6 m (15' 1") BOOM and 1.9 m (6' 3"), 2.1 m (6' 11"), 2.5 m (8' 2"), 3.0 m (9' 10") ARM



A	Tumbler distance	2,910 (9' 7")
B	Overall length of crawler	3,618 (11' 8")
C	Ground clearance of counterweight	930 (3' 1")
D	Tail swing radius	1,500 (4' 11")
D'	Rear-end length	1,500 (4' 11")
E	Overall width of upperstructure	2,500 (8' 2")
F	Overall height of cab	2,900 (9' 6")
G	Min. ground clearance	440 (1' 5")
H	Track gauge	2,000 (6' 7")
M	Ground clearance of blade up	420 (1' 8")
N	Depth of blade down	430 (1' 6")
O	Height of blade	575 (1' 8")
P	Overall height of guardrail	3,215 (10' 7")

Boom length		4,600 (15' 1")			
Arm length		1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")
I	Overall length	7,840 (25' 9")	7,860 (25' 9")	7,820 (25' 8")	7,760 (25' 6")
J	Overall height of boom	2,630 (8' 8")	2,710 (8' 11")	2,860 (9' 5")	3,210 (10' 6")
K	Track shoe width	500 (20")	600 (24")	700 (28")	
L	Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")	

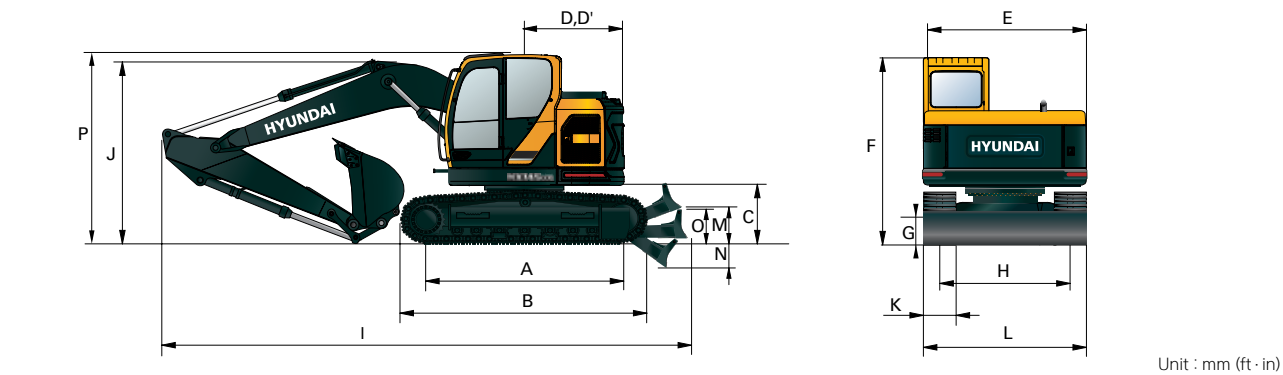
HX145CR-9A (DOZER TYPE) WORKING RANGE



Boom length		4,600 (15' 1")			
Arm length		1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")
A	Max. digging reach	7,730 (25' 4")	7,900 (25' 11")	8,310 (27' 3")	8,770 (28' 9")
A'	Max. digging reach on ground	7,580 (24' 10")	7,750 (25' 0")	8,170 (26' 10")	8,630 (28' 4")
B	Max. digging depth	4,890 (16' 1")	5,100 (16' 9")	5,500 (18' 1")	5,990 (19' 8")
B'	Max. digging depth (8' level)	4,640 (15' 3")	4,870 (16' 0")	5,290 (17' 4")	5,810 (19' 1")
C	Max. vertical wall digging depth	4,400 (14' 5")	4,600 (15' 1")	5,000 (16' 5")	5,400 (17' 9")
D	Max. digging height	8,840 (29' 0")	8,970 (29' 5")	9,350 (30' 8")	9,730 (31' 11")
E	Max. dumping height	6,350 (20' 10")	6,470 (21' 3")	6,850 (22' 6")	7,230 (23' 9")
F	Min. swing radius	1,860 (6' 1")	2,030 (6' 8")	1,980 (6' 6")	2,260 (7' 5")

HX145LCR (DOZER TYPE) DIMENSIONS

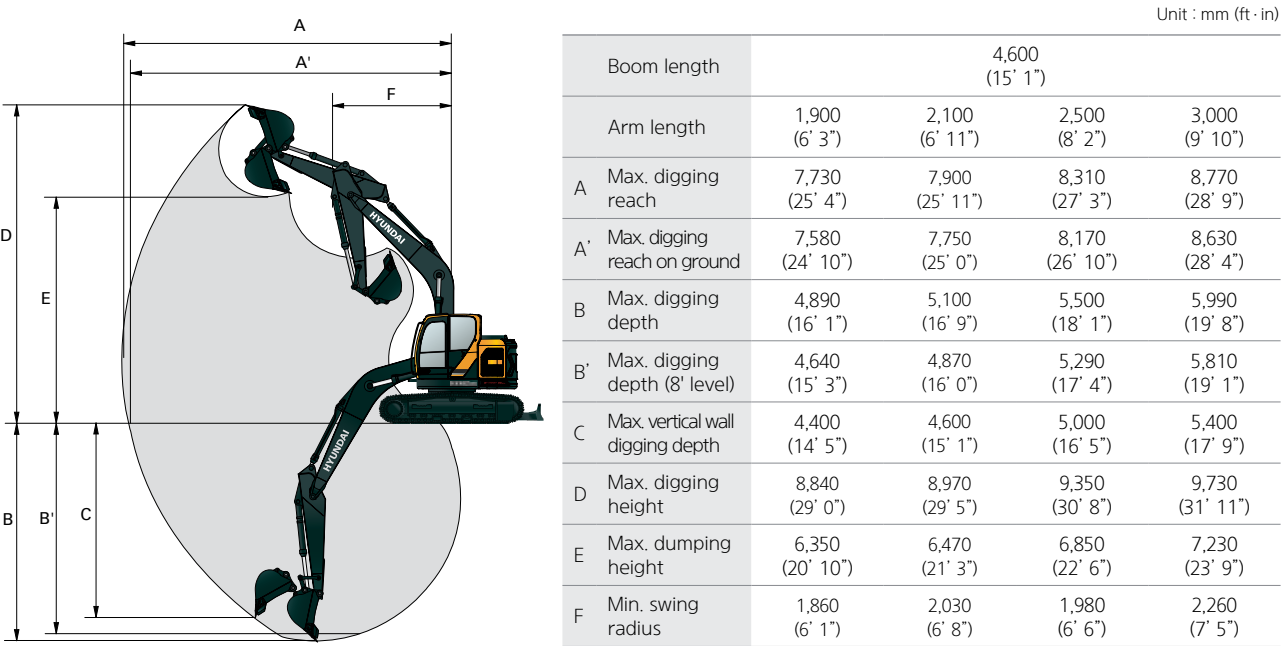
4.6 m (15' 1") BOOM and 1.9 m (6' 3"), 2.1 m (6' 11"), 2.5 m (8' 2"), 3.0 m (9' 10") ARM



A	Tumbler distance	3,090 (10' 2")
B	Overall length of crawler	3,798 (12' 4")
C	Ground clearance of counterweight	930 (3' 1")
D	Tail swing radius	1,500 (4' 11")
D'	Rear-end length	1,500 (4' 11")
E	Overall width of upperstructure	2,500 (8' 2")
F	Overall height of cab	2,900 (9' 6")
G	Min. ground clearance	440 (1' 5")
H	Track gauge	2,000 (6' 7")
M	Ground clearance of blade up	420 (1' 8")
N	Depth of blade down	430 (1' 6")
O	Height of blade	575 (1' 8")
P	Overall height of guardrail	3,215 (10' 7")

Boom length		4,600 (15' 1")			
Arm length		1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")
I	Overall length	7,840 (25' 9")	7,860 (25' 9")	7,820 (25' 8")	7,760 (25' 6")
J	Overall height of boom	2,630 (8' 8")	2,710 (8' 11")	2,860 (9' 5")	3,210 (10' 6")
K	Track shoe width	500 (20")	600 (24")	700 (28")	
L	Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")	

HX145LCR (DOZER TYPE) WORKING RANGE

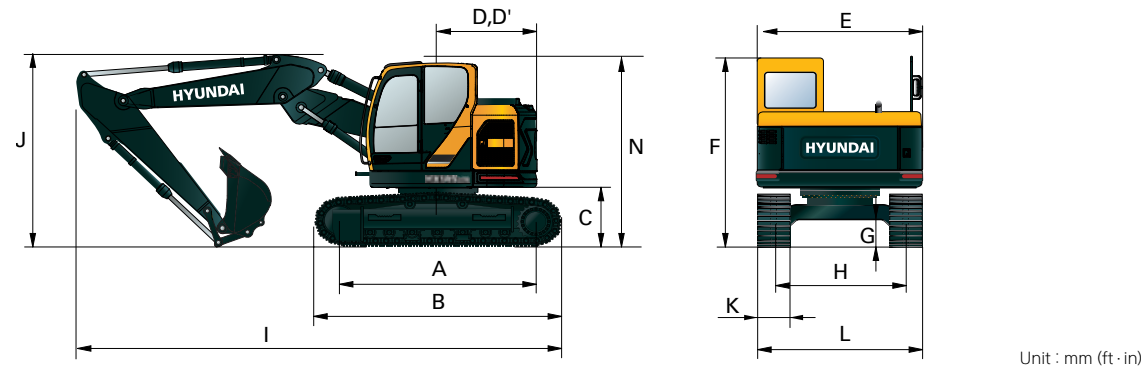


Boom length		4,600 (15' 1")			
Arm length		1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")	3,000 (9' 10")
A	Max. digging reach	7,730 (25' 4")	7,900 (25' 11")	8,310 (27' 3")	8,770 (28' 9")
A'	Max. digging reach on ground	7,580 (24' 10")	7,750 (25' 0")	8,170 (26' 10")	8,630 (28' 4")
B	Max. digging depth	4,890 (16' 1")	5,100 (16' 9")	5,500 (18' 1")	5,990 (19' 8")
B'	Max. digging depth (8' level)	4,640 (15' 3")	4,870 (16' 0")	5,290 (17' 4")	5,810 (19' 1")
C	Max. vertical wall digging depth	4,400 (14' 5")	4,600 (15' 1")	5,000 (16' 5")	5,400 (17' 9")
D	Max. digging height	8,840 (29' 0")	8,970 (29' 5")	9,350 (30' 8")	9,730 (31' 11")
E	Max. dumping height	6,350 (20' 10")	6,470 (21' 3")	6,850 (22' 6")	7,230 (23' 9")
F	Min. swing radius	1,860 (6' 1")	2,030 (6' 8")	1,980 (6' 6")	2,260 (7' 5")

DIMENSIONS & WORKING RANGE

HX145LCR 2-PIECE BOOM DIMENSIONS

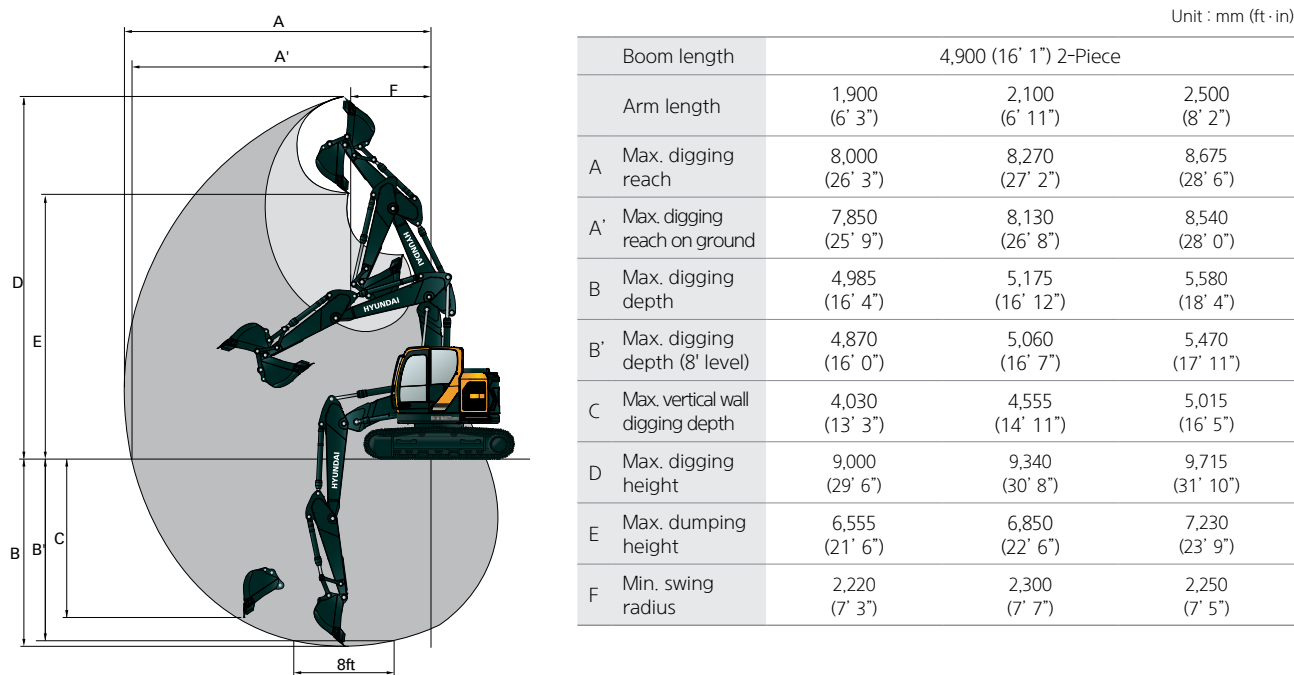
4.9m(16' 1") BOOM and 1.9m (6' 3"), 2.1m (6' 11"), 2.5m (8' 2") ARM



A	Tumbler distance	3,090 (10' 2")
B	Overall length of crawler	3,798 (12' 4")
C	Ground clearance of counterweight	930 (3' 1")
D	Tail swing radius	1,500 (4' 11")
D'	Rear-end length	1,500 (4' 11")
E	Overall width of upperstructure	2,500 (8' 2")
F	Overall height of cab	2,900 (9' 6")
G	Min. ground clearance	440 (1' 5")
H	Track gauge	2,000 (6' 7")
M	Overall height of guardrail	3,215 (10' 7")

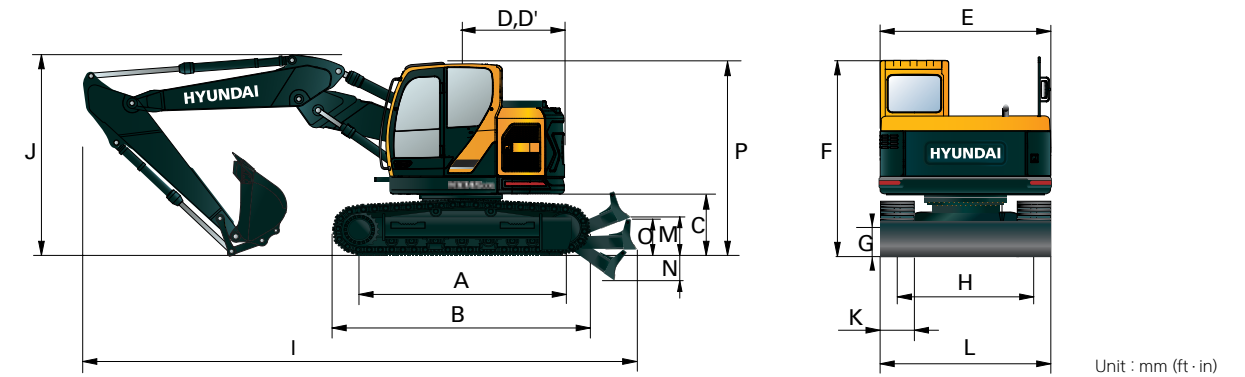
	Boom length	4,900 (16' 1")		
	Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")
I	Overall length	7,650 (25' 1")	7,720 (25' 4")	7,690 (25' 3")
J	Overall height of boom	2,865 (9' 5")	2,870 (9' 5")	2,900 (9' 6")
K	Track shoe width	500 (20")	600 (24")	700 (28")
L	Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")

HX145LCR-9A 2-PIECE BOOM WORKING RANGE



HX145LCR 2-PIECE BOOM (DOZER TYPE) DIMENSIONS

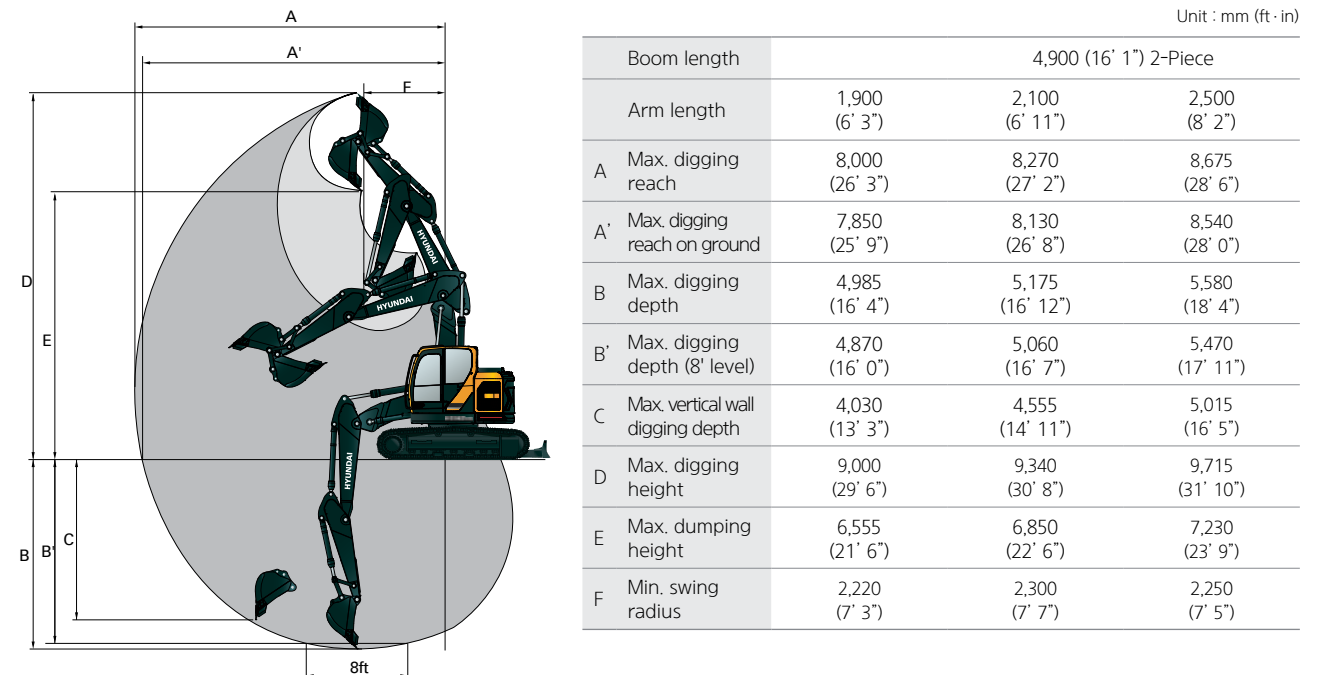
4.9m (16'1") BOOM and 1.9m (6'3"), 2.1m (6'11"), 2.5m (8'2") ARM



A	Tumbler distance	3,090 (10' 2")
B	Overall length of crawler	3,798 (12' 4")
C	Ground clearance of counterweight	930 (3' 1")
D	Tail swing radius	1,500 (4' 11")
D'	Rear-end length	1,500 (4' 11")
E	Overall width of upperstructure	2,500 (8' 2")
F	Overall height of cab	2,900 (9' 6")
G	Min. ground clearance	440 (1' 5")
H	Track gauge	2,000 (6' 7")
M	Ground clearance of blade up	410
N	Depth of blade down	450
O	Height of blade	575 (1' 8")
P	Overall height of guardrail	3,215 (10' 7")

	Boom length	4,900 (16' 1")		
	Arm length	1,900 (6' 3")	2,100 (6' 11")	2,500 (8' 2")
I	Overall length	8,110 (26' 7")	8,180 (26' 10")	8,150 (26' 9")
J	Overall height of boom	2,865 (9' 5")	2,870 (9' 5")	2,900 (9' 6")
K	Track shoe width	500 (20")	600 (24")	700 (28")
L	Overall width	2,500 (8' 2")	2,600 (8' 6")	2,700 (8' 10")

HX145LCR 2-PIECE BOOM (DOZER TYPE) WORKING RANGE



LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HX145LCR MONO BOOM

Boom: 4.6 m (15' 1") / Arm: 1.9 m (6' 3") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT

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)
6.0 m (20 ft)	kg					*3,240	*3,240			3,420	2,170	5.75
	lb					*7,140	*7,140			7,540	4,780	(18.9)
4.5 m (15 ft)	kg			*5,040	*5,040	*4,330	3,290			2,550	1,580	6.73
	lb			*11,110	*11,110	*9,550	7,250			5620	3,480	(22.1)
3.0 m (10 ft)	kg			*7,250	6,040	4,970	3,090	3,030	1,880	2,210	1,330	7.22
	lb			*15,980	13,320	10,960	6,810	6,680	4,140	4,870	2,930	(23.7)
1.5 m (5 ft)	kg			*9,050	5,290	4,690	2,840	2,930	1,780	2,110	1,260	7.32
	lb			*19,950	11,660	10,340	6,260	6,460	3,920	4,650	2,780	(24.0)
Ground Line	kg			*8,630	5,040	4,500	2,680	2,850	1,710	2,210	1,310	7.06
	lb			*19,030	11,110	9,920	5,910	6,280	3,770	4,870	2,890	(23.2)
-1.5 m (-5 ft)	kg	*6,890	*6,890	*8,100	5,040	4,440	2,620			2,600	1,560	6.40
	lb	*15,190	*15,190	*17,860	11,110	9,790	5,780			5,730	3,440	(21.0)
-3.0 m (-10 ft)	kg			*5,970	5,180	*4,070	2,690			*2,250	*2,250	5.12
	lb			*13,160	11,420	*8,970	5,930			*4,960	*4,960	(16.8)

Boom: 4.6 m (15' 1") / Arm: 2.1 m (6' 11") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT

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)
6.0 m	kg					*3,440	3,380			3,210	2,030	5.98
(20 ft)	lb					*7,580	7,450			7,080	4,480	(19.6)
4.5 m	kg			*4,410	*4,410	*4,150	3,320	*2,550	1,940	2,430	1,500	6.92
(15 ft)	lb			*9,720	*9,720	*9,150	7,320	*5,620	4,280	5,360	3,310	(22.7)
3.0 m	kg			*6,880	6,120	*4,840	3,100	3,040	1,880	2,120	1,270	7.39
(10 ft)	lb			*15,170	13,490	*10,670	6,830	6,700	4,140	4,670	2,800	(24.2)
1.5 m	kg			*9,010	5,330	4,620	2,840	2,930	1,780	2,020	1,190	7.49
(5 ft)	lb			*19,860	11,750	10,340	6,260	6,460	3,920	4,450	2,620	(24.6)
Ground	kg			*8,880	5,010	4,480	2,660	2,830	1,690	2,110	1,240	7.24
Line	lb			*19,580	11,050	9,880	5,860	6,240	3,730	4,650	2,730	(23.8)
-1.5 m	kg	*6,570	*6,570	*8,330	4,980	4,400	2,590	2,800	1,660	2,450	1,460	6.60
(-5 ft)	lb	*14,480	*14,480	*18,360	10,980	9,700	5,710	6,170	3,660	5,400	3,220	(21.7)
-3.0 m	kg	*9,010	*9,010	*6,340	5,090	*4,340	2,640			*2,390	2,110	5.38
(-10 ft)	lb	*19,860	*19,860	*13,980	11,220	*9,570	5,820			*5,270	4,650	(17.7)

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT

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)
6.0 m (20 ft)	kg					*2,970	*2,970			2,760	1,730	6.50
	lb					*6,550	*6,550			6,080	3,810	(21.3)
4.5 m (15 ft)	kg					*3,490	3,360	*2,670	1,960	2,160	1,310	7.37
	lb					*7,690	7,410	*5,890	4,320	4,760	2,890	(24.2)
3.0 m (10 ft)	kg			*6,120	*6,120	*4,490	3,140	3,040	1,880	1,900	1,120	7.81
	lb			*13,490	*13,490	*9,900	6,920	6,700	4,140	4,190	2,470	(25.6)
1.5 m (5 ft)	kg			*8,490	5,450	4,710	2,850	2,910	1,760	1,820	1,050	7.90
	lb			*18,720	12,020	10,380	6,280	6,420	3,880	4,010	2,310	(25.9)
Ground Line	kg			*9,170	4,990	4,460	2,630	2,800	1,660	1,890	1,090	7.67
	lb			*20,220	11,000	9,830	5,800	6,170	3,660	4,170	2,400	(25.2)
-1.5 m (-5 ft)	kg	*5,870	*5,870	*8,690	4,890	4,350	2,530	2,750	1,610	2,160	1,260	7.07
	lb	*12,940	*12,940	*19,160	10,780	9,590	5,580	6,060	3,550	4,760	2,780	(23.2)
-3.0 m (-10 ft)	kg	*8,960	*8,960	*7,010	4970	4,370	2,550			*2,400	1,730	5.97
	lb	*19,750	*19,750	*15,450	10,960	9,630	5,620			*5,290	3,810	(19.6)
-4.5 m (-15 ft)	kg			*3,710	*3,710							
	lb			*8,180	*8,180							

1. Lifting capacity are based on 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 (standard equipment) located on the back of the bucket.

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

 Rating over-front  Rating over-side or 360 degree

HX145LCR MONO BOOM

Boom: 4.6 m (15' 1") / Arm: 3.0 m (9' 10") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT

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					*2,580	*2,580	*1,710	*1,710			2,400	1,480	7.07
	lb					*5,690	*5,690	*3,770	*3,770			5,290	3,260	(23.2)
4.5 m (15 ft)	kg					*2,790	*2,790	*2,570	2,020			1,930	1,150	7.86
	lb					*6,150	*6,150	*5,670	4,450			4,250	2,540	(25.8)
3.0 m (10 ft)	kg			*3,770	*3,770	*3,740	3,220	3,090	1,920	*1,390	1,210	1,720	990	8.27
	lb			*8,310	*8,310	*8,250	7,100	6,810	4,230	*3,060	2,670	3,790	2,180	(27.1)
1.5 m (5 ft)	kg			*7,770	5,690	4,790	2,930	2,950	1,790	*1,960	1,160	1,650	930	8.36
	lb			*17,130	12,540	10,560	6,460	650	3,950	*4,320	2,560	3,640	2,050	(27.4)
Ground Line	kg			*9,190	5,100	4,510	2,670	2,810	1,670	*1,780	1,110	1,700	960	8.14
	lb			*20,260	11,240	9,940	5,890	6,190	3,680	*3,920	2,450	3,750	2,120	(26.7)
-1.5 m (-5 ft)	kg	*5,400	*5,400	*9,050	4,890	4,350	2,530	2,730	1,590			1,910	1,090	7.59
	lb	*11,900	*11,900	*19,950	10,780	9,590	5,580	6,020	3,510			4,210	2,400	(24.9)
-3.0 m (-10 ft)	kg	*7,890	*7,890	*7,760	4,910	4,330	2,510	2,730	1,600			2,430	1,430	6.59
	lb	*17,390	*17,390	*17,110	10,820	9,550	5,530	6,020	3,530			5,360	3,150	(21.6)
-4.5 m (-15 ft)	kg			*5,120	5,090	*3,220	2,630							
	lb			*11,290	11,220	*7,100	5,800							

Boom: 4.6 m (15' 1") / Arm: 1.9 m (6' 3") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, 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)
6.0 m (20 ft)	kg					*3,240	*3,240			3,550	2,310	5.75
	lb					*7,140	*7,140			7,830	5,090	(18.9)
4.5 m (15 ft)	kg			*5,040	*5,040	*4,330	3,480			2,660	1,690	6.73
	lb			*11,110	*11,110	*9,550	7,670			5,860	3,730	(22.1)
3.0 m (10 ft)	kg			*7,250	6,380	*5,010	3,280	3,160	2,010	2,310	1,440	7.22
	lb			*15,980	14,070	*11,050	7,230	6,970	4,430	5,090	3,170	(23.7)
1.5 m (5 ft)	kg			*9,050	5,630	4,880	3,030	3,060	1,920	2,210	1,360	7.32
	lb			*19,950	12,410	10,760	6,680	6,750	4,230	4,870	3,000	(24.0)
Ground Line	kg			*8,630	5,370	4,690	2,870	2,980	1,840	2,320	1,420	7.06
	lb			*19,030	11,840	10,340	6,330	6,570	4,060	5,110	3,130	(23.2)
-1.5 m (-5 ft)	kg	*6,890	*6,890	*8,100	5,370	4,630	2,810			2,720	1,690	6.40
	lb	*15,190	*15,190	*17,860	11,840	10,210	6,190			6,000	3,730	(21.0)
-3.0 m (-10 ft)	kg			*5,970	5,510	*4,070	2,880			*2,250	*2,250	5.12
	lb			*13,160	12,150	*8,970	6,350			*4,960	*4,960	(16.8)

Boom: 4.6 m (15' 1") / Arm: 1.9 m (9' 10") / Bucket: 0.52 m³ (0.68 yd³

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HX145LCR MONO BOOM

Boom: 4.6 m (15' 1") / Arm: 2.1 m (6' 11") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped /
Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, 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)
6.0 m (20 ft)	kg lb					*3,440 *7,580	*3,440 *7,580			3,340 7,360	2,170 4,780	5.98 (19.6)
4.5 m (15 ft)	kg lb			*4,410 *9,720	*4,410 *9,720	*4,150 *9,150	3,510 7,740	*2,550 *5,620	2,080 4,590	2,540 5,600	1,610 3,550	6.92 (22.7)
3.0 m (10 ft)	kg lb			*6,880 *15,170	6,450 14,220	*4,840 *10,670	3,290 7,250	3,170 6,990	2,010 4,430	2,210 4,870	1,370 3,020	7.39 (24.2)
1.5 m (5 ft)	kg lb			*9,010 *19,860	5,670 12,500	4,880 10,760	3,030 6,680	3,050 6,720	1,910 4,210	2,120 4,670	1,300 2,870	7.49 (24.6)
Ground Line	kg lb			*8,880 *19,580	5,350 11,790	4,670 10,300	2,850 6,280	2,960 6,530	1,820 4,010	2,210 4,870	1,350 2,980	7.24 (23.8)
-1.5 m (-5 ft)	kg lb	*6,570 *14,480	*6,570 *14,480	*8,330 *18,360	5,310 11,710	4,590 10,120	2,780 6,130	2,930 6,460	1,800 3,970	2,570 5,670	1,580 3,480	6.60 (21.7)
-3.0 m (-10 ft)	kg lb	*9,010 *19,860	*9,010 *19,860	*6,340 *13,980	5,430 11,970	*4,340 *9,570	2,830 6,240			*2,390 *5,270	2,260 4,980	5.38 (17.7)

Boom: 4.6 m (15' 1") / Arm: 2.1 m (6' 11") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped /
Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, 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)
6.0 m (20 ft)	kg lb					*3,440 *7,580	*3,440 *7,580			*3,550 *7,830	2,170 4,780	5.98 (19.6)
4.5 m (15 ft)	kg lb			*4,410 *9,720	*4,410 *9,720	*4,150 *9,150	3,510 7,740	*2,550 *5,620	2,080 4,590	*3,420 *7,540	1,610 3,550	6.92 (22.7)
3.0 m (10 ft)	kg lb			*6,880 *15,170	6,450 14,220	*4,840 *10,670	3,290 7,250	*3,960 *8,730	2,010 4,430	*3,370 *7,430	1,370 3,020	7.39 (24.2)
1.5 m (5 ft)	kg lb			*9,010 *19,860	5,670 12,500	*5,630 *12,410	3,030 6,680	*4,230 *9,330	1,910 4,210	*3,330 *7,340	1,300 2,870	7.49 (24.6)
Ground Line	kg lb			*8,880 *19,580	5,350 11,790	*5,990 *13,210	2,850 6,280	*4,320 *9,520	1,820 4,010	*3,260 *7,190	1,350 2,980	7.24 (23.8)
-1.5 m (-5 ft)	kg lb	*6,570 *14,480	*6,570 *14,480	*8,330 *18,360	5,310 11,710	*5,650 *12,460	2,780 6,130	*3,890 *8,580	1,800 3,970	*3,050 *6,720	1,580 3,480	6.60 (21.7)
-3.0 m (-10 ft)	kg lb	*9,010 *19,860	*9,010 *19,860	*6,340 *13,980	5,430 11,970	*4,340 *9,570	2,830 6,240			*2,390 *5,270	2,260 4,980	5.38 (17.7)

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped /
Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, 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)
6.0 m	kg					*2,970	*2,970			2,880	1,850	6.50
(20 ft)	lb					*6,550	*6,550			6,350	4,080	(21.3)
4.5 m	kg					*3,490	*3,490	*2,670	2,100	2,260	1,410	7.37
(15 ft)	lb					*7,690	*7,690	*5,890	4,630	4,980	3,110	(24.2)
3.0 m	kg			*6,120	*6,120	*4,490	3,330	3,170	2,010	1,990	1,210	7.81
(10 ft)	lb			*13,490	*13,490	*9,900	7,340	6,990	4,430	4,390	2,670	(25.6)
1.5 m	kg			*8,490	5,790	4,900	3,040	3,040	1,890	1,910	1,150	7.90
(5 ft)	lb			*18,720	12,760	10,800	6,700	6,700	4,170	4,210	2,540	(25.9)
Ground	kg			*9,170	5,330	4,650	2,820	2,930	1,790	1,980	1,190	7.67
Line	lb			*20,220	11,750	10,250	6,220	6,460	3,950	4,370	2,620	(25.2)
-1.5 m	kg	*5,870	*5,870	*8,690	5,230	4,540	2,720	2,870	1,740	2,260	1,370	7.07
(-5 ft)	lb	*12,940	*12,940	*19,160	11,530	10,010	6,000	6,330	3,840	4,980	3,020	(23.2)
-3.0 m	kg	*8,960	*8,960	*7,010	5,310	4,560	2,740			*2,400	1,860	5.97
(-10 ft)	lb	*19,750	*19,750	*15,450	11,710	10,050	6,040			*5,290	4,100	(19.6)
-4.5 m	kg			*3,710	*3,710							
(-15 ft)	lb			*8,180	*8,180							

1. Lifting capacity are based on 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 (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.

 Rating over-front  Rating over-side or 360 degree

HX145LCR MONO BOOM

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped /
Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, 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)
6.0 m (20 ft)	kg					*2,970	*2,970			*2,920	1,850	6.50
	lb					*6,550	*6,550			*6,440	4,080	(21.3)
4.5 m (15 ft)	kg					*3,490	*3,490	*2,670	2,100	*2,760	1,410	7.37
	lb					*7,690	*7,690	*5,890	4,630	*6,080	3,110	(24.2)
3.0 m (10 ft)	kg			*6,120	*6,120	*4,490	3,330	*3,700	2,010	*2,760	1,210	7.81
	lb			*13,490	*13,490	*9,900	7,340	*8,160	4,430	*6,080	2,670	(25.6)
1.5 m (5 ft)	kg			*8,490	5,790	*5,370	3,040	*4,080	1,890	*2,880	1,150	7.90
	lb			*18,720	12,760	*11,840	6,700	*8,990	4,170	*6,350	2,540	(25.9)
Ground Line	kg			*9,170	5,330	*5,890	2,820	*4,260	1,790	*3,020	1,190	7.67
	lb			*20,220	11,750	*12,990	6,220	*9,390	3,950	*6,660	2,620	(25.2)
-1.5 m (-5 ft)	kg	*5,870	*5,870	*8,690	5,230	*5,750	2,720	*4,040	1,740	*2,860	1,370	7.07
	lb	*12,940	*12,940	*19,160	11,530	*12,680	6,000	*8,910	3,840	*6,310	3,020	(23.2)
-3.0 m (-10 ft)	kg	*8,960	*8,960	*7,010	5,310	*4,760	2,740			*2,400	1,860	5.97
	lb	*19,750	*19,750	*15,450	11,710	*10,490	6,040			*5,290	4,100	(19.6)
-4.5 m (-15 ft)	kg			*3,710	*3,710							
	lb			*8,180	*8,180							

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped /
Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, 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					*2,580	*2,580	*1,710	*1,710			2,500	1,590	7.07
	lb					*5,690	*5,690	*3,770	*3,770			5,510	3,510	(23.2)
4.5 m (15 ft)	kg					*2,790	*2,790	*2,570	2,150			2,020	1,250	7.86
	lb					*6,150	*6,150	*5,670	4,740			4,450	2,760	(25.8)
3.0 m (10 ft)	kg			*3,770	*3,770	*3,740	3,410	3,220	2,050	*1,390	1,310	1,800	1,080	8.27
	lb			*8,310	*8,310	*8,250	7,520	7,100	4,520	*3,060	2,890	3,970	2,380	(27.1)
1.5 m (5 ft)	kg			*7,770	6,030	4,990	3,120	3,070	1,920	*1,960	1,260	1,730	1,020	8.36
	lb			*17,130	13,290	11,000	6,880	6,770	4,230	*4,320	2,780	3,810	2,250	(27.4)
Ground Line	kg			*9,190	5,430	4,700	2,860	2,940	1,800	*1,780	1,210	1,780	1,050	8.14
	lb			*20,260	11,970	10,360	6,310	6,480	3,970	*3,920	2,670	3,920	2,310	(26.7)
-1.5 m (-5 ft)	kg	*5,400	*5,400	*9,050	5,230	4,540	2,720	2,860	1,730			2,000	1,190	7.59
	lb	*11,900	*11,900	*19,950	11,530	10,010	6,000	6,310	3,810			4,410	2,620	(24.9)
-3.0 m (-10 ft)	kg	*7,890	*7,890	*7,760	5,240	4,520	2,700	2,860	1,730			*2,470	1,550	6.59
	lb	*17,390	*17,390	*17,110	11,550	9,960	5,950	6,310	3,810			*5,450	3,420	(21.6)
-4.5 m (-15 ft)	kg			*5,120	*5,120	*3,220	2,820							
	lb			*11,290	*11,290	*7,100	6,220							

Boom: 4.6 m (15' 1") / Arm: 3.0 m (9' 10") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped /
Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, 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					*2,580 *5,690	*2,580 *5,690	*1,710 *3,770	*1,710 *3,770			*2,610 *5,750	1,590 3,510	7.07 (23.2)
4.5 m (15 ft)	kg lb					*2,790 *6,150	*2,790 *6,150	*2,570 *5,670	2,150 4,740			*2,490 *5,490	1,250 2,760	7.86 (25.8)
3.0 m (10 ft)	kg lb			*3,770 *8,310	*3,770 *8,310	*3,740 *8,250	3,410 7,520	*3,240 *7,140	2,050 4,520	*1,390 *3,060	1,310 2,890	*2,490 *5,490	1,080 2,380	8.27 (27.1)
1.5 m (5 ft)	kg lb			*7,770 *17,130	6,030 13,290	*5,040 *11,110	3,120 6,880	*3,890 *8,580	1,920 4,230	*1,960 *4,320	1,260 2,780	*2,610 *5,750	1,020 2,250	8.36 (27.4)
Ground Line	kg lb			*9,190 *20,260	5,430 11,970	*5,750 *12,680	2,860 6,310	*4,200 *9,260	1,800 3,970	*1,780 *3,920	1,210 2,670	*2,830 *6,240	1,050 2,310	8.14 (26.7)
-1.5 m (-5 ft)	kg lb	*5,400 *11,900	*5,400 *11,900	*9,050 *19,950	5,230 11,530	*5,850 *12,900	2,720 6,000	*4,160 *9,170	1,730 3,810			*2,740 *6,040	1,190 2,620	7.59 (24.9)
-3.0 m (-10 ft)	kg lb	*7,890 *17,390	*7,890 *17,390	*7,760 *17,110	5,240 11,550	*5,180 *11,420	2,700 5,950	*3,470 *7,650	1,730 3,810			*2,470 *5,450	1,550 3,420	6.59 (21.6)
-4.5 m (-15 ft)	kg lb			*5,120 *11,290	*5,120 *11,290	*3,220 *7,100	2,820 6,220							

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HX145LCR MONO BOOM

Boom: 4.6 m (15' 1") / Arm: 1.9 m (6' 3") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT

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)
6.0 m (20 ft)	kg					*3,240	*3,240			*3,720	2,200	5.75
	lb					*7,140	*7,140			*8,200	4,850	(18.9)
4.5 m (15 ft)	kg			*5,040	*5,040	*4,330	3,340			2,830	1,600	6.73
	lb			*11,110	*11,110	*9,550	7,360			6,240	3,530	(22.1)
3.0 m (10 ft)	kg			*7,250	6,120	*5,010	3,140	3,370	1,910	2,460	1,360	7.22
	lb			*15,980	13,490	*11,050	6,920	7,430	4,210	5,420	3,000	(23.7)
1.5 m (5 ft)	kg			*9,050	5,370	5,240	2,890	3,260	1,810	2,350	1,280	7.32
	lb			*19,950	11,840	11,550	6,370	7,190	3,990	5,180	2,820	(24.0)
Ground Line	kg			*8,630	5,110	5,050	2,720	3,180	1,740	2,470	1,340	7.06
	lb			*19,030	11,270	11,130	6,000	7,010	3,840	5,450	2,950	(23.2)
-1.5 m (-5 ft)	kg	*6,890	*6,890	*8,100	5,120	4,990	2,670			2,900	1,590	6.40
	lb	*15,190	*15,190	*17,860	11,290	11,000	5,890			6,390	3,510	(21.0)
-3.0 m (-10 ft)	kg			*5,970	5,250	*4,070	2,740			*2,250	*2,250	5.12
	lb			*13,160	11,570	*8,970	6,040			*4,960	*4,960	(16.8)

Boom: 4.6 m (15' 1") / Arm: 2.1 m (6' 11") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT

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)
6.0 m	kg					*3,440	3,420			3,550	2,070	5.98
(20 ft)	lb					*7,580	7,540			7,830	4,560	(19.6)
4.5 m	kg			*4,410	*4,410	*4,150	3,360	*2,550	1,970	2,700	1,520	6.92
(15 ft)	lb			*9,720	*9,720	*9,150	7,410	*5,620	4,340	5,950	3,350	(22.7)
3.0 m	kg			*6,880	6,200	*4,840	3,150	3,370	1,910	2,360	1,290	7.39
(10 ft)	lb			*15,170	13,670	*10,670	6,940	7,430	4,210	5,200	2,840	(24.2)
1.5 m	kg			*9,010	5,410	5,250	2,890	3,260	1,810	2,260	1,220	7.49
(5 ft)	lb			*19,860	11,930	11,570	6,370	7,190	3,990	4,980	2,690	(24.6)
Ground	kg			*8,880	5,090	5,030	2,700	3,160	1,720	2,360	1,270	7.24
Line	lb			*19,580	11,220	11,090	5,950	6,970	3,790	5,200	2,800	(23.8)
-1.5 m	kg	*6,570	*6,570	*8,330	5,060	4,950	2,630	3,130	1,690	2,740	1,490	6.60
(-5 ft)	lb	*14,480	*14,480	*18,360	11,160	10,910	5,800	6,900	3,730	6,040	3,280	(21.7)
-3.0 m	kg	*9,010	*9,010	*6,340	5,170	*4,340	2,680			*2,390	2,140	5.38
(-10 ft)	lb	*19,860	*19,860	*13,980	11,400	*9,570	5,910			*5,270	4,720	(17.7)

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT

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)
6.0 m (20 ft)	kg lb					*2,960 *6,530	*2960 *6530			*2,920 *6,440	1,750 3,860	6.50 (21.3)
4.5 m (15 ft)	kg lb					*3,480 *7,670	3400 7500	*2,670 *5,890	1,990 4,390	2,400 5,290	1,330 2,930	7.37 (24.2)
3.0 m (10 ft)	kg lb			*6,110 *13,470	*6,110 *13,470	*4,490 *9,900	3180 7010	3,380 7,450	1,910 4,210	2,120 4,670	1,140 2,510	7.81 (25.6)
1.5 m (5 ft)	kg lb			*8,480 *18,700	5,520 12,170	5,260 11,600	2890 6370	3,240 7,140	1,790 3,950	2,040 4,500	1,070 2,360	7.90 (25.9)
Ground Line	kg lb			*9,170 *20,220	5,070 11,180	5,010 11,050	2670 5890	3,130 6,900	1,690 3,730	2,110 4,650	1,110 2,450	7.67 (25.2)
-1.5 m (-5 ft)	kg lb	*5,880 *12,960	*5,880 *12,960	*8,680 *19,140	4,960 10,930	4,890 10,780	2570 5670	3,070 6,770	1,640 3,620	2,410 5,310	1,280 2,820	7.07 (23.2)
-3.0 m (-10 ft)	kg lb	*8,960 *19,750	*8,960 *19,750	*7,000 *15,430	5,040 11,110	*4,750 *10,470	2590 5710			*2,400 *5,290	1,760 3,880	5.97 (19.6)
-4.5 m (-15 ft)	kg lb			*3,710 *8,180	*3,710 *8,180							

1. Lifting capacity are based on 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 (standard equipment) located on the back of the bucket.

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

 Rating over-front  Rating over-side or 360 degree

HX145LCR MONO BOOM

Boom: 4.6 m (15' 1") / Arm: 3.0 m (9' 10") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT

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					*2,580 *5,690	*2,580 *5,690	*1,710 *3,770	*1,710 *3,770			*2,610 *5,750	1,510 3,330	7.07 (23.2)
4.5 m (15 ft)	kg lb					*2,790 *6,150	*2,790 *6,150	*2,570 *5,670	2,050 4,520			2,150 4,740	1,170 2,580	7.86 (25.8)
3.0 m (10 ft)	kg lb			*3,770 *8,310	*3,770 *8,310	*3,740 *8,250	3,270 7,210	*3,240 *7,140	1,950 4,300	*1,390 *3,060	1,230 2,710	1,920 4,230	1,010 2,230	8.27 (27.1)
1.5 m (5 ft)	kg lb			*7,770 *17,130	5,770 12,720	*5,040 *11,110	2,970 6,550	3,280 7,230	1,820 4,010	*1,960 *4,320	1,180 2,600	1,850 4,080	960 2,120	8.36 (27.4)
Ground Line	kg lb			*9,190 *20,260	5,170 11,400	5,060 11,160	2,720 6,000	3,150 6,940	1,700 3,750	*1,780 *3,920	1,130 2,490	1,910 4,210	980 2,160	8.14 (26.7)
-1.5 m (-5 ft)	kg lb	*5,400 *11,900	*5,400 *11,900	*9,050 *19,950	4,970 10,960	4,900 10,800	2,580 5,690	3,060 6,750	1,630 3,590			2,140 4,720	1,120 2,470	7.59 (24.9)
-3.0 m (-10 ft)	kg lb	*7,890 *17,390	*7,890 *17,390	*7,760 *17,110	4,990 11,000	4,870 10,740	2,560 5,640	3,070 6,770	1,630 3,590			*2,470 *5,450	1,460 3,220	6.59 (21.6)
-4.5 m (-15 ft)	kg lb			*5,120 *11,290	*5,120 *11,290	*3,220 *7,100	2,670 5,890							

Boom: 4.6 m (15' 1") / Arm: 1.9 m (6' 3") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, 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)
6.0 m (20 ft)	kg					*3,240	*3,240			*3,720	2,340	5.75
	lb					*7,140	*7,140			*8,200	5,160	(18.9)
4.5 m (15 ft)	kg			*5,040	*5,040	*4,330	3,530			2,950	1,720	6.73
	lb			*11,110	*11,110	*9,550	7,780			6,500	3,790	(22.1)
3.0 m (10 ft)	kg			*7,250	6,450	*5,010	3,330	3,500	2,040	2,570	1,460	7.22
	lb			*15,980	14,220	*11,050	7,340	7,720	4,500	5,670	3,220	(23.7)
1.5 m (5 ft)	kg			*9,050	5,700	5,450	3,080	3,400	1,950	2,460	1,380	7.32
	lb			*19,950	12,570	12,020	6,790	7,500	4,300	5,420	3,040	(24.0)
Ground Line	kg			*8,630	5,450	5,260	2,910	3,320	1,870	2,580	1,450	7.06
	lb			*19,030	12,020	11,600	6,420	7,320	4,120	5,690	3,200	(23.2)
-1.5 m (-5 ft)	kg	*6,890	*6,890	*8,100	5,450	5,200	2,860			3,030	1,720	6.40
	lb	*15,190	*15,190	*17,860	12,020	11,460	6,310			6,680	3,790	(21.0)
-3.0 m (-10 ft)	kg			*5,970	5,590	*4,070	2,930			*2,250	*2,250	5.12
	lb			*13,160	12,320	*8,970	6,460			*4,960	*4,960	(16.8)

Boom: 4.6 m (15' 1") / Arm: 1.9 m (6' 3") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, Dozer Down

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HX145LCR MONO BOOM

Boom: 4.6 m (15’ 1”) / Arm: 2.1 m (6’ 11”) / Bucket: 0.52 m³ (0.68 yd³) SAE heaped /
Shoe: 600mm(24”) triple grouser with 2,800kg (6,170lb) CWT, 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	
											
6.0 m (20 ft)	kg					*3,440	*3,440			*3,550	2,200
	lb					*7,580	*7,580			*7,830	4,850
4.5 m (15 ft)	kg			*4,410	*4,410	*4,150	3,550	*2,550	2,110	2,810	1,640
	lb			*9,720	*9,720	*9,150	7,830	*5,620	4,650	6,190	3,620
3.0 m (10 ft)	kg			*6,880	6,530	*4,840	3,340	3,510	2,040	2,460	1,400
	lb			*15,170	14,400	*10,670	7,360	7,740	4,500	5,420	3,090
1.5 m (5 ft)	kg			*9,010	5,750	5,450	3,080	3,400	1,940	2,360	1,320
	lb			*19,860	12,680	12,020	6,790	7,500	4,280	5,200	2,910
Ground Line	kg			*8,880	5,420	5,240	2,890	3,300	1,850	2,460	1,370
	lb			*19,580	11,950	11,550	6,370	7,280	4,080	5,420	3,020
-1.5 m (-5 ft)	kg	*6,570	*6,570	*8,330	5,390	5,160	2,820	3,270	1,830	2,860	1,610
	lb	*14,480	*14,480	*18,360	11,880	11,380	6,220	7,210	4,030	6,310	3,550
-3.0 m (-10 ft)	kg	*9,010	*9,010	*6,340	5,510	*4,340	2,870			*2,390	2,290
	lb	*19,860	*19,860	*13,980	12,150	*9,570	6,330			*5,270	5,050

Boom: 4.6 m (15’ 1”) / Arm: 2.1 m (6’ 11”) / Bucket: 0.52 m³ (0.68 yd³) SAE heaped /
Shoe: 600mm(24”) triple grouser with 2,800kg (6,170lb) CWT, 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	
											
6.0 m (20 ft)	kg					*3,440	*3,440			*3,550	2,460
	lb					*7,580	*7,580			*7,830	5,420
4.5 m (15 ft)	kg			*4,410	*4,410	*4,150	3,960	*2,550	2,360	*3,420	1,840
	lb			*9,720	*9,720	*9,150	8,730	*5,620	5,200	*7,540	4,060
3.0 m (10 ft)	kg			*6,880	*6,880	*4,840	3,740	*3,960	2,300	*3,370	1,590
	lb			*15,170	*15,170	*10,670	8,250	*8,730	5,070	*7,430	3,510
1.5 m (5 ft)	kg			*9,010	6,600	*5,630	3,470	*4,230	2,190	*3,330	1,500
	lb			*19,860	14,550	*12,410	7,650	*9,330	4,830	*7,340	3,310
Ground Line	kg			*8,880	6,260	*5,990	3,280	*4,320	2,100	*3,260	1,570
	lb			*19,580	13,800	*13,210	7,230	*9,520	4,630	*7,190	3,460
-1.5 m (-5 ft)	kg	*6,570	*6,570	*8,330	6,230	*6,650	3,210	*3,890	2,080	*3,050	1,830
	lb	*14,480	*14,480	*18,360	13,730	*12,460	7,080	*8,580	4,590	*6,720	4,030
-3.0 m (-10 ft)	kg	*9,010	*9,010	*6,340	*6,340	*4,340	3,260			*2,390	2,390
	lb	*19,860	*19,860	*13,980	*13,980	*9,570	7,190			*5,270	5,270

Boom: 4.6 m (15’ 1”) / Arm: 2.5 m (8’ 2”) / Bucket: 0.52 m³ (0.68 yd³) SAE heaped /
Shoe: 600mm(24”) triple grouser with 2,800kg (6,170lb) CWT, 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	
											
6.0 m (20 ft)	kg					*2,970	*2,970			*2,920	1,880
	lb					*6,550	*6,550			*6,440	4,140
4.5 m (15 ft)	kg					*3,490	*3,490	*2,670	2,130	2,510	1,430
	lb					*7,690	*7,690	*5,890	4,700	5,530	3,150
3.0 m (10 ft)	kg			*6,120	*6,120	*4,490	3,370	3,520	2,040	2,220	1,240
	lb			*13,490	*13,490	*9,900	7,430	7,760	4,500	4,890	2,730
1.5 m (5 ft)	kg			*8,490	5,870	*5,370	3,090	3,390	1,930	2,140	1,170
	lb			*18,720	12,940	*11,840	6,810	7,470	4,250	4,720	2,580
Ground Line	kg			*9,170	5,410	5,220	2,870	3,270	1,820	2,220	1,210
	lb			*20,220	11,930	11,510	6,330	7,210	4,010	4,890	2,670
-1.5 m (-5 ft)	kg	*5,870	*5,870	*8,690	5,310	5,110	2,770	3,220	1,770	2,530	1,400
	lb	*12,940	*12,940	*19,160	11,710	11,270	6,110	7,100	3,900	5,580	3,090
-3.0 m (-10 ft)	kg	*8,960	*8,960	*7,010	5,390	*4,760	2,790			*2,400	1,890
	lb	*19,750	*19,750	*15,450	11,880	*10,490	6,150			*5,290	4,170
-4.5 m (-15 ft)	kg			*3,710	*3,710						
	lb			*8,180	*8,180						

1. Lifting capacity are based on 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 (standard equipment) located on the back of the bucket.
4. (*) indicates load limited by hydraulic capacity.

 Rating over-front  Rating over-side or 360 degree

HX145LCR MONO BOOM

Boom: 4.6 m (15’ 1”) / Arm: 2.5 m (8’ 2”) / Bucket: 0.52 m³ (0.68 yd³) SAE heaped /
Shoe: 600mm(24”) triple grouser with 2,800kg (6,170lb) CWT, 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	
											
6.0 m (20 ft)	kg					*2,970	*2,970			*2,920	2,100
	lb					*6,550	*6,550			*6,440	4,630
4.5 m (15 ft)	kg					*3,490	*3,490	*2,670	2,380	*2,760	1,630
	lb					*7,690	*7,690	*5,890	5,250	*6,080	3,590
3.0 m (10 ft)	kg			*6,120	*6,120	*4,490	3,780	*3,700	2,300	*2,760	1,410
	lb			*13,490	*13,490	*9,900	8,330	*8,160	5,070	*6,080	3,110
1.5 m (5 ft)	kg			*8,490	6,720	*5,370	3,490	*4,080	2,180	*2,880	1,340
	lb			*18,720	14,820	*11,840	7,690	*8,990	4,810	*6,350	2,950
Ground Line	kg			*9,170	6,250	*5,890	3,260	*4,260	2,070	*3,020	1,390
	lb			*20,220	13,780	*12,990	7,190	*9,390	4,560	*6,660	3,060
-1.5 m (-5 ft)	kg	*5,870	*5,870	*8,690	6,140	*5,750	3,160	*4,040	2,020	*2,860	1,600
	lb	*12,940	*12,940	*19,160	13,540	*12,680	6,970	*8,910	4,450	*6,310	3,530
-3.0 m (-10 ft)	kg	*8,960	*8,960	*7,010	6,220	*4,760	3,180			*2,400	2,150
	lb	*19,750	*19,750	*15,450	13,710	*10,490	7,010			*5,290	4,740
-4.5 m (-15 ft)	kg			*3,710	*3,710						
	lb			*8,180	*8,180						

Boom: 4.6 m (15’ 1”) / Arm: 3.0 m (9’ 10”) / Bucket: 0.52 m³ (0.68 yd³) SAE heaped /
Shoe: 600mm(24”) triple grouser with 2,800kg (6,170lb) CWT, 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					*2,580	*2,580	*1,710	*1,710			*2,610	1,620	7.07
	lb					*5,690	*5,690	*3,770	*3,770			*5,750	3,570	(23.2)
4.5 m (15 ft)	kg					*2,790	*2,790	*2,570	2,180			2,250	1,270	7.86
	lb					*6,150	*6,150	*5,670	4,810			4,960	2,800	(25.8)
3.0 m (10 ft)	kg			*3,770	*3,770	*3,740	3,460	*3,240	2,080	*1,390	1,330	2,010	1,100	8.27
	lb			*8,310	*8,310	*8,250	7,630	*7,140	4,590	*3,060	2,930	4,430	2,430	(27.1)
1.5 m (5 ft)	kg			*7,770	6,110	*5,040	3,160	3,420	1,950	*1,960	1,280	1,940	1,040	8.36
	lb			*17,130	13,470	*11,110	6,970	7,540	4,300	*4,320	2,820	4,280	2,290	(27.4)
Ground Line	kg			*9,190	5,510	5,270	2,910	3,280	1,830	*1,780	1,230	2,000	1,070	8.14
	lb			*20,260	12,150	11,620	6,420	7,230	4,030	*3,920	2,710	4,410	2,360	(26.7)
-1.5 m (-5 ft)	kg	*5,400	*5,400	*9,050	5,310	5,110	2,770	3,200	1,760			2,240	1,220	7.59
	lb	*11,900	*11,900	*19,950	11,710	11,270	6,110	7,050	3,880			4,940	2,690	(24.9)
-3.0 m (-10 ft)	kg	*7,890	*7,890	*7,760	5,320	5,080	2,750	3,200	1,760			*2,470	1,580	6.59
	lb	*17,390	*17,390	*17,110	11,730	11,200	6,060	7,050	3,880			*5,450	3,480	(21.6)
-4.5 m (-15 ft)	kg			*5,120	*5,120	*3,220	2,860							
	lb			*11,290	*11,290	*7,100	6,310							

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degree

HX145LCR 2-PIECE BOOM

Boom: 4.9 m (16' 1") / Arm: 2.1 m (6' 11") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT

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)
6.0 m (20 ft)	kg	*3,480	*3,480	*3,700	*3,700	*3,490	3,470			3,100	1,770	6.46
	lb	*7,670	*7,670	*8,160	*8,160	*7,690	7,650			6,830	3,900	(21.2)
4.5 m (15 ft)	kg	*3,410	*3,410	*4,460	*4,460	*3,800	3,350	*3,410	1,980	2,430	1,330	7.33
	lb	*7,520	*7,520	*9,830	*9,830	*8,380	7,390	*7,520	4,370	5,360	2,930	(24.0)
3.0 m (10 ft)	kg			*6,790	5,990	*4,560	3,090	3,360	1,880	2,140	1,140	7.77
	lb			*14,970	13,210	*10,050	6,810	7,410	4,140	4,720	2,510	(25.5)
1.5 m (5 ft)	kg					5,170	2,790	3,230	1,760	2,060	1,070	7.87
	lb					11,400	6,150	7,120	3,880	4,540	2,360	(25.8)
Ground Line	kg			*5,960	4,890	4,950	2,600	3,120	1,660	2,140	1,110	7.63
	lb			*13,140	10,780	10,910	5,730	6,880	3,660	4,720	2,450	(25.0)
-1.5 m (-5 ft)	kg			*8,260	4,900	4,880	2,540	3,080	1,620			
	lb			*18,210	10,800	10,760	5,600	6,790	3,570			

Boom: 4.9 m (16' 1") / Arm: 2.5 m (8' 2") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT

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	*2,640	*2,640	*3,000	*3,000	*3,110	*3,110	*1,990	*1,990			2,700	1,510	6.96
	lb	*5,820	*5,820	*6,610	*6,610	*6,860	*6,860	*4,390	*4,390			5,950	3,330	(22.8)
4.5 m (15 ft)	kg	*2,270	*2,270	*3,170	*3,170	*3,440	3,390	*3,140	1,990			2,170	1,160	7.77
	lb	*5,000	*5,000	*6,990	*6,990	*7,580	7,470	*6,920	4,390			4,780	2,560	(25.5)
3.0 m (10 ft)	kg			*6,030	*6,030	*4,220	3,120	3,370	1,880			1,930	1,000	8.18
	lb			*13,290	*13,290	*9,300	6,880	7,430	4,140			4,250	2,200	(26.8)
1.5 m (5 ft)	kg			*7,680	5,260	*5,120	2,800	3,210	1,740	2,190	1,140	1,860	940	8.27
	lb			*16,930	11,600	*11,290	6,170	7,080	3,840	4,830	2,510	4,100	2,070	(27.1)
Ground Line	kg			*6,290	4,850	4,930	2,570	3,090	1,620			1,920	970	8.05
	lb			*13,870	10,690	10,870	5,670	6,810	3,570			4,230	2,140	(26.4)
-1.5 m (-5 ft)	kg			*8,510	4,800	4,810	2,470	3,020	1,570			2,170	1,120	7.49
	lb			*18,760	10,580	10,600	5,450	6,660	3,460			4,780	2,470	(24.6)
-3.0 m (-10 ft)	kg					4,840	2,500							
	lb					10,670	5,510							

Boom: 4.9 m (16' 1") / Arm: 2.1 m (6' 11") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, 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)
6.0 m (20 ft)	kg	*3,480	*3,480	*3,700	*3,700	*3,490	*3,490			*3,150	1,890	6.46
	lb	*7,670	*7,670	*8,160	*8,160	*7,690	*7,690			*6,940	4,170	(21.2)
4.5 m (15 ft)	kg	*3,410	*3,410	*4,460	*4,460	*3,800	3,540	*3,410	2,110	2,540	1,440	7.33
	lb	*7,520	*7,520	*9,830	*9,830	*8,380	7,800	*7,520	4,650	5,600	1,370	(24.0)
3.0 m (10 ft)	kg			*6,790	6,330	*4,560	3,280	3,500	2,010	2,240	1,240	7.77
	lb			*14,970	13,960	*10,050	7,230	7,720	4,430	4,940	2,730	(25.5)
1.5 m (5 ft)	kg					5,380	2,980	3,370	1,890	2,160	1,170	7.87
	lb					11,860	6,570	7,430	4,170	4,760	2,580	(25.8)
Ground Line	kg			*5,960	5,230	5,160	2,790	3,260	1,790	2,240	1,210	7.63
	lb			*13,140	11,530	11,380	6,150	7,190	3,950	4,940	2,670	(25.0)
-1.5 m (-5 ft)	kg			*8,260	5,240	5,080	2,720	3,220	1,760			
	lb			*18,210	11,550	11,200	6,000	7,100	3,880			

1. Lifting capacity are based on 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 (standard equipment) located on the back of the bucket.

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

 Rating over-front  Rating over-side or 360 degree

HX145LCR 2-PIECE BOOM

Boom: 4.9 m (16' 1") / Arm: 2.1 m (6' 11") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, 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)
6.0 m (20 ft)	kg	*3,480	*3,480	*3,700	*3,700	*3,490	*3,490			*3,150	2,120	6.46
	lb	*7,670	*7,670	*8,160	*8,160	*7,690	*7,690			*6,940	4,670	(21.2)
4.5 m (15 ft)	kg	*3,410	*3,410	*4,460	*4,460	*3,800	*3,800	*3,410	2,370	*3,070	1,630	7.33
	lb	*7,520	*7,520	*9,830	*9,830	*8,380	*8,380	*7,520	5,220	*6,770	3,590	(24.0)
3.0 m (10 ft)	kg			*6,790	*6,790	*4,560	3,680	*3,670	2,270	*3,060	1,420	7.77
	lb			*14,970	*14,970	*10,050	8,110	*8,090	5,000	*6,750	3,130	(25.5)
1.5 m (5 ft)	kg					*5,380	3,380	*4,010	2,140	*3,060	1,340	7.87
	lb					*11,860	7,450	*8,840	4,720	*6,750	2,950	(25.8)
Ground Line	kg			*5,960	*5,960	*5,800	3,180	*4,200	2,050	*3,050	1,400	7.63
	lb			*13,140	*13,140	*12,790	7,010	*9,260	4,520	*6,720	3,090	(25.0)
-1.5 m (-5 ft)	kg			*8,260	6,080	*5,630	3,120	*4,010	2,010			
	lb			*18,210	13,400	*12,410	6,880	*8,840	4,430			

Boom: 4.9 m (16' 1") / Arm: 2.5 m (8' 2") / Bucket: 0.52 m³ (0.68 yd³) SAE heaped / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, 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	*2,640	*2,640	*3,000	*3,000	*3,110	*3,110	*1,990	*1,990			2,820	1,630	6.96
	lb	*5,820	*5,820	*6,610	*6,610	*6,860	*6,860	*4,390	*4,390			6,220	3,590	(22.8)
4.5 m (15 ft)	kg	*2,280	*2,280	*3,180	*3,180	*3,450	*3,450	*3,150	2,120			2,280	1,260	7.77
	lb	*5,030	*5,030	*7,010	*7,010	*7,610	*7,610	*6,940	4,670			5,030	2,780	(25.5)
3.0 m (10 ft)	kg			*6,030	*6,030	*4,230	3,310	*3450	2,010			2,030	1,090	8.18
	lb			*13,290	*13,290	*9,330	7,300	*7,610	4,430			4,480	2,400	(26.8)
1.5 m (5 ft)	kg			*7,680	5,600	*5,120	3,000	3,360	1,880	*2,260	1,240	1,950	1,030	8.27
	lb			*16,930	12,350	*11,290	6,610	7,410	4,140	*4,980	2,730	4,300	2,270	(27.1)
Ground Line	kg			*6,290	5,200	5,140	2,760	3,230	1,760			2,020	1,070	8.05
	lb			*13,870	11,460	11,330	6,080	7,120	3,880			4,450	2,360	(26.4)
-1.5 m (-5 ft)	kg			*8,510	5,140	5,030	2,670	3,160	1,700			2,280	1,220	7.49
	lb			*18,760	11,330	11,090	5,890	6,970	3,750			5,030	2,690	(24.6)
-3.0 m (-10 ft)	kg					*4,990	2,690							
	lb					*11,000	5,930							