

HX145 LCR

With Tier 3 / Stage III A Engine installed



HD HYUNDAI
CONSTRUCTION EQUIPMENT

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

PLEASE CONTACT

2024. FEB

Gross Power
SAE J1995 / 124HP (92.6 kW) at 1,950 rpm

Net Power
SAE J1349 / 116HP (87 kW) at 1,950 rpm

Operating Weight
15,430 kg / 34,020 lb

HD HYUNDAI



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.

WHAT'S NEWEST AND BEST

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

NEW EXTERIOR DESIGN FOR ROBUSTNESS AND SAFETY

- 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)
- Viscous Suspension Mount
- Swing Lock System **Option**
- Fine Swing Control **Option**



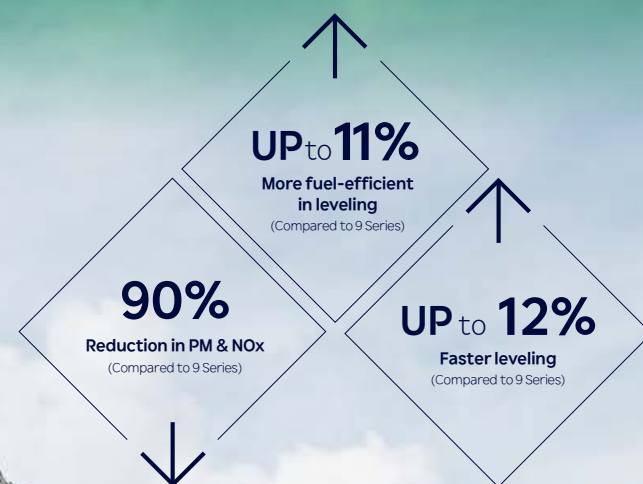
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WORK MAX, WORTH MAX

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.



* 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.

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.



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.

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.



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

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.



Enlarged Air Inlet with Grill Cover Option

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 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.



▲ 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.

* 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.



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.

* Photo may include optional equipment.

✔ 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 SAFESOLUTION

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.



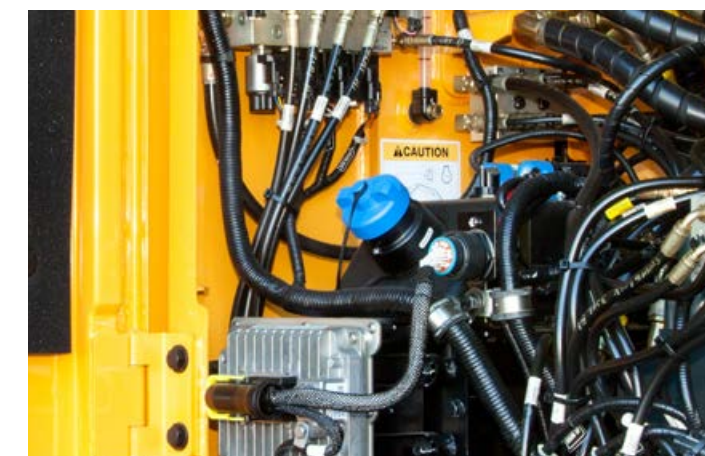
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Swing Lock System Option

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.



Easy Access to DEF/AdBlue® Supply System

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



Hi MATE (Remote Management System)

Hi MATE, Hyundai's proprietary remote management system, provides operators and dealer service personnel access to vital service and diagnostic information on the machine from any computer with internet access.

Users can pinpoint machine location using digital mapping and set machine work boundaries, reducing the need for multiple service calls. Hi MATE saves time and money for the owner and dealer by promoting preventative maintenance and reducing machine downtime.

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

HX145 LCR

SPECIFICATIONS

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

HYDRAULIC SYSTEM	
MAIN PUMP	
Type	Variable displacement tandem axis piston pumps
Max. flow	2X 126.8L/min (33.5 USgpm / 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)
Powerboost (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 CYLINERS	
No. of cylinder bore X stroke	Boom 2 - Ø105 X 1,085 mm
	Arm 1 - Ø115 X 1,108 mm
	Bucket 1 - Ø100 X 900 mm
	Blade 2 - Ø100 X 250 mm

* Hyundai Bio Hydraulic Oil (HBHO) available

DRIVES & BRAKES	
Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	12,000 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 0.59m ³ (0.77yd ³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.	

OPERATING WEIGHT				
Shoes		Operating weight		Ground pressure
Type	Width mm (in)	kg (lb)		kgf /cm² (psi)
Triple grouser	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)
	600 (24")	HX145CR	14,990 (33,050)	0.40 (5.69)
		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)
	700 (28")	HX145CR	15,200 (33,510)	0.35 (4.98)
		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 CO2 equivalent 1.07kg metric tonne. For more information, Please refer to the manual.	

HX145 LCR

BUCKET SELECTION GUIDE & DIGGING FORCE

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

Capacity m ³ (yd ³)		Width mm (in)		Weight kg (lb)	Tooth EA	Recommendation mm (ft.in)	
						4,600 (15' 1") Boom	
SAE heaped	CECE heaped	Without side cutters	With side cutters			2,500 (8' 2") Arm	3,000 (9' 10") Arm
0.51 (0.67)	0.45 (0.59)	865 (34.1")	995 (39.2")	395 (0,870)	5	●	●
0.59 (0.77)	0.51 (0.67)	955 (37.6")	1,085 (42.7")	415 (0,910)	5	■	■
0.64 (0.84)	0.55 (0.72)	1,040 (40.9")	1,170 (46.1")	440 (0,970)	5	■	▲
0.76 (0.99)	0.65 (0.85)	1,215 (47.8")	1,345 (53.0")	490 (1,080)	6	▲	-

- : Applicable for materials with density of 2,100 kg/m³ (3,500 lb/yd³) or less
- : Applicable for materials with density of 1,800 kg/m³ (3,000 lb/yd³) or less
- : Applicable for materials with density of 1,500 kg/m³ (2,500 lb/yd³) or less
- ▲ : Applicable for materials with density of 1,200 kg/m³ (2,000 lb/yd³) or less
- : Not Recommended

ATTACHMENT	
Booms and arms are welded, a low-stress, full-box section design. 4.6 m (15' 1") boom and, 2.5 m (8' 2"), 3.0 m (9' 10") arms are available.	

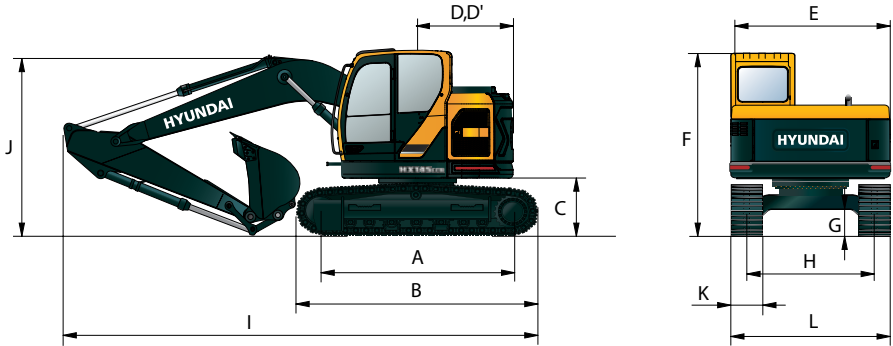
DIGGING FORCE				
Boom	Length	mm(ft.in)	4,600(15' 1")	
	Weight	kg(lb)	1,040(2,290)	
Arm	Length	mm (ft.in)	2,500 (8' 2")	3,000(9' 10")
	Weight	kg (lb)	640 (1,410)	680 (1,500)
Bucket digging force	SAE	kN	94.3 [102.4]	94.3 [102.4]
		kgf	9,620 [10,440]	9,620 [10,440]
		lbf	21,200 [23,020]	21,200 [23,020]
	ISO	kN	111.4 [121.0]	111.4 [121.0]
		kgf	11,360 [12,340]	11,360 [12,330]
		lbf	25,050 [27,190]	25,040 [27,190]
Arm crowd force	SAE	kN	62.0 [67.4]	57.0 [61.9]
		kgf	6,320 [6,870]	5,810 [6,310]
		lbf	13,940 [15,140]	12,810 [13,910]
	ISO	kN	64.6 [70.1]	59.1 [64.1]
		kgf	6,590 [7,150]	6,020 [6,540]
		lbf	14,520 [15,770]	13,280 [14,410]

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

DIMENSIONS & WORKING RANGE

HX145CR DIMENSIONS

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



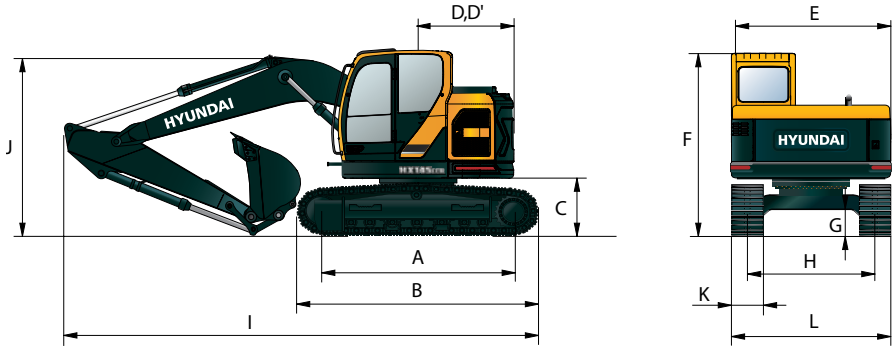
Unit : mm (ft · in)

A	Tumbler distance	2,950 (9' 8")
*B	Overall length of crawler	3,672 (12' 1")
C	Ground clearance of counterweight	915 (3' 0")
D	Tail swing radius	1,500 (4' 11")
D'	Rear-end length	1,500 (4' 11")
E	Overall width of upperstructure	2,485 (8' 2")
F	Overall height of cap	2,810 (9' 3")
G	Min. ground clearance	425 (1' 5")
H	Track gauge	2,000 (6' 7")

Boom length		4,600 (15' 1")		
Arm length		2,500 (8' 2")	3,000 (9' 10")	
I	Overall length	7,320 (24' 0")	7,435 (24' 5")	
J	Overall height of boom	2,730 (8' 11")	3,165 (10' 5")	
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 DIMENSIONS

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

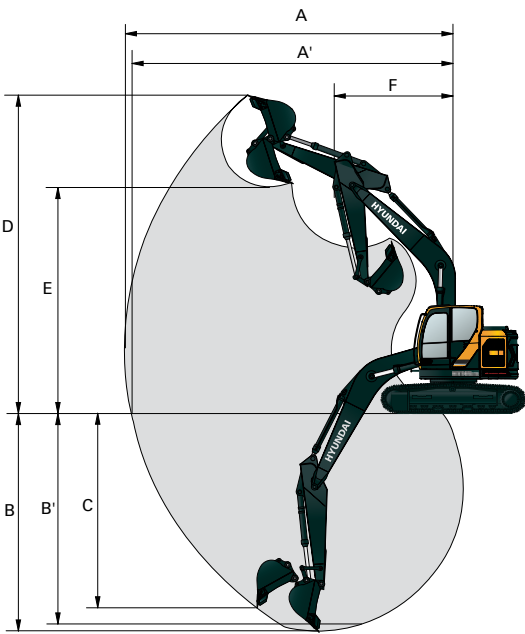


Unit : mm (ft · in)

A	Tumbler distance	3,120(10' 3")
*B	Overall length of crawler	3,842(12' 7")
C	Ground clearance of counterweight	915 (3' 0")
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	2,810 (9' 3")
G	Min. ground clearance	425 (1' 5")
H	Track gauge	2,000 (6' 7")

Boom length		4,600 (15' 1")		
Arm length		2,500 (8' 2")	3,000 (9' 10")	
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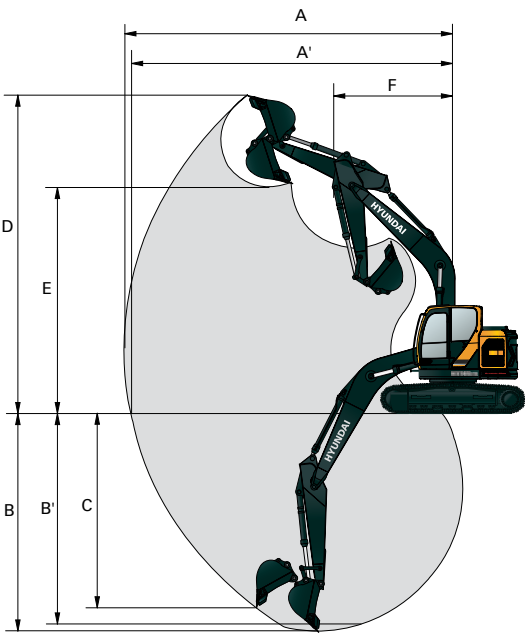
HX145CR DIMENSIONS



Unit : mm (ft · in)

Boom length		4,600 (15' 1")	
Arm length		2,500 (8' 2")	3,000 (9' 10")
A	Max. digging reach	8,240 (27' 0")	8,620 (28' 4")
A'	Max. digging reach on ground	8,100 (26' 7")	8,490 (27' 10")
B	Max. digging depth	5,210 (17' 1")	5,710 (18' 9")
B'	Max. digging depth (8' level)	5,010 (16' 5""")	5,530 (18' 2")
C	Max. vertical wall digging depth	4,710 (15' 5")	4,990 (16' 4")
D	Max. digging height	9,220 (30' 3")	9,410 (30' 10")
E	Max. dumping height	6,800 (22' 4")	7,015 (23' 0")
F	Min. swing radius	2,000 (6' 7")	2,350 (7' 9")

HX145LCR DIMENSIONS



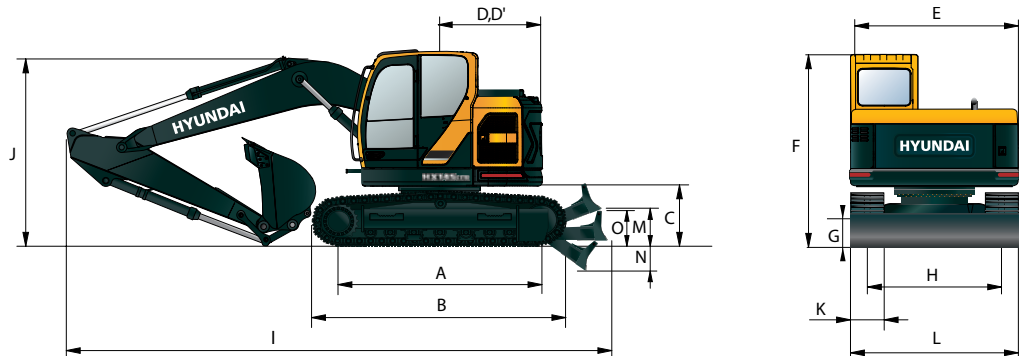
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F Min. swing radius	2,000 (6' 7")	2,350 (7' 9")

DIMENSIONS & WORKING RANGE

HX145CR (DOZER TYPE) DIMENSIONS

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



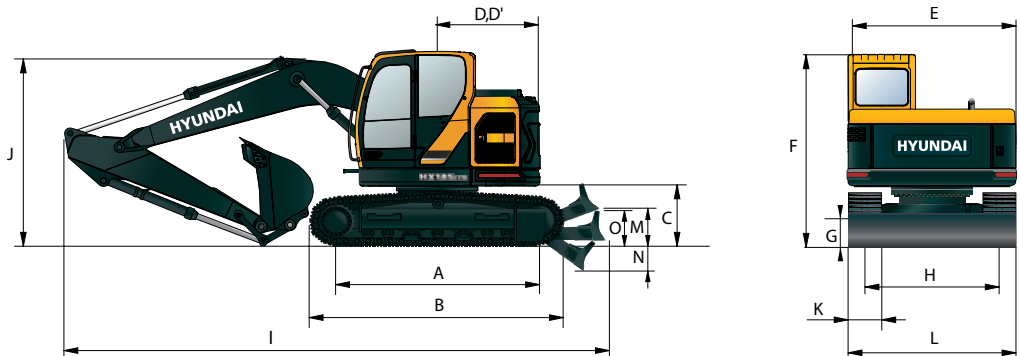
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A	Tumbler distance	2,950 (9' 8")
*B	Overall length of crawler	3,672 (12' 1")
C	Ground clearance of counterweight	915 (3' 0")
D	Tail swing radius	1,500 (4' 11")
D'	Rear-end length	1,500 (4' 11")
E	Overall width of upperstructure	2,485 (8' 2")
F	Overall height of cap	2,810 (9' 3")
G	Min. ground clearance	270 (0' 11")
H	Track gauge	2,000 (6' 7")
M	Ground clearance of blade up	425 (1' 5")
N	Depth of blade down	430 (1' 5")
O	Height of blade	575 (1' 11")

Boom length		4,600 (15' 1")		
Arm length		2,500 (8' 2")	3,000 (9' 10")	
I	Overall length	7,755 (25' 5")	7,870 (25' 10")	
J	Overall height of boom	2,730 (8' 11")	3,165 (10' 5")	
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) DIMENSIONS

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



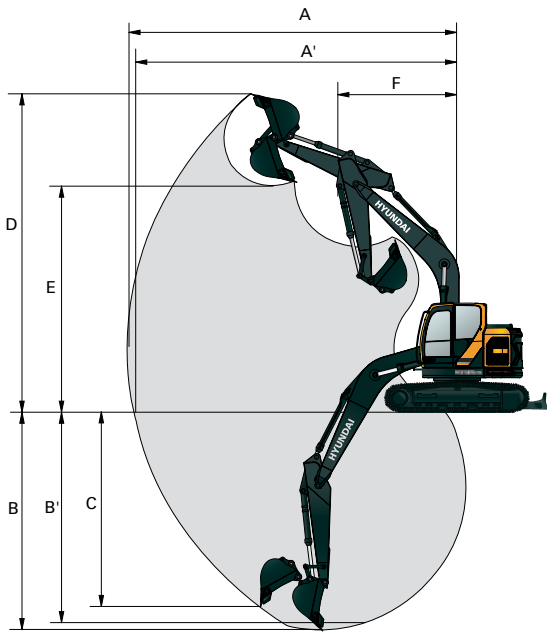
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A	Tumbler distance	3,120 (10' 3")
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C	Ground clearance of counterweight	915 (3' 0")
D	Tail swing radius	1,500 (4' 11")
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HX145CR (DOZER TYPE) WORKING RANGE

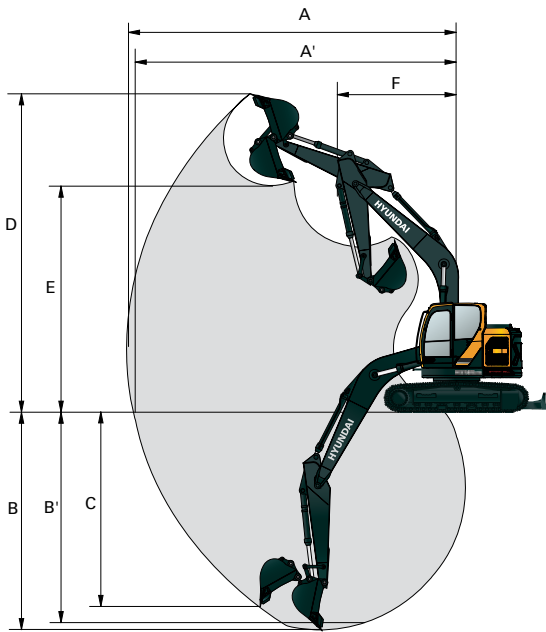
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






Boom length		4,600 (15' 1")	
Arm length		2,500 (8' 2")	3,000 (9' 10")
A	Max. digging reach	8,240 (27' 0")	8,620 (28' 4")
A'	Max. digging reach on ground	8,100 (26' 7")	8,490 (27' 10")
B	Max. digging depth	5,210 (17' 1")	5,710 (18' 9")
B'	Max. digging depth (8' level)	5,010 (16' 5""")	5,530 (18' 2")
C	Max. vertical wall digging depth	4,710 (15' 5")	4,990 (16' 4")
D	Max. digging height	9,220 (30' 3")	9,410 (30' 10")
E	Max. dumping height	6,800 (22' 4")	7,015 (23' 0")
F	Min. swing radius	2,000 (6' 7")	2,350 (7' 9")

LIFTING CAPACITY











 Rating over-front  Rating over-side or 360 degree

HX145CR MONO BOOM











Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / 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)
7.5m	kg			*3,760	*3,760					*2,770	*2,770	3.56
24.6ft	lb			*8,290	*8,290					*6,110	*6,110	(11.7)
6.0m	kg					*3,650	*3,650			*2,180	*2,180	5.37
19.7ft	lb					*8,050	*8,050			*4,810	*4,810	(17.6)
4.5m	kg			*4,000	*4,000	*4,260	3,720	*3,100	2,330	*2,020	*2,020	6.34
14.8ft	lb			*8,820	*8,820	*9,390	8,200	*6,830	5,140	*4,450	*4,450	(20.8)
3.0m	kg			*7,400	6,670	*5,270	3,530	3,430	2,270	*2,010	1,820	6.86
9.8ft	lb			*16,310	14,700	*11,620	7,780	7,560	5,000	*4,430	4,010	(22.5)
1.5m	kg			*8,670	5,980	5,170	3,300	3,330	2,170	*2,120	1,710	7.02
4.9ft	lb			*19,110	13,180	11,400	7,280	7,340	4,780	*4,670	3,770	(23.0)
0.0m	kg			*7,060	5,680	4,980	3,130	3,250	2,100	*2,370	1,740	6.85
0.0ft	lb			*15,560	12,520	10,980	6,900	7,170	4,630	*5,220	3,840	(22.5)
-1.5m	kg	*4,940	*4,940	*8,670	5,650	4,910	3,070	3,220	2,070	*2,900	1,940	6.32
-4.9ft	lb	*10,890	*10,890	*19,110	12,460	10,820	6,770	7,100	4,560	*6,390	4,280	(20.7)
-3.0m				*6,550	5,760	*4,580	3,120			*3,410	2,490	5.33
-9.8ft				*14,440	12,700	*10,100	6,880			*7,520	5,490	(17.5)

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / 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)
7.5m	kg			*3,760	*3,760					*2,770	*2,770	3.56
24.6ft	lb			*8,290	*8,290					*6,110	*6,110	(11.7)
6.0m	kg					*3,650	*3,650			*2,180	*2,180	5.37
19.7ft	lb					*8,050	*8,050			*4,810	*4,810	(17.6)
4.5m	kg			*4,000	*4,000	*4,260	3,910	*3,100	2,460	*2,020	*2,020	6.34
14.8ft	lb			*8,820	*8,820	*9,390	8,620	*6,830	5,420	*4,450	*4,450	(20.8)
3.0m	kg			*7,400	6,990	*5,270	3,710	3,740	2,400	*2,010	1,930	6.86
9.8ft	lb			*16,310	15,410	*11,620	8,180	8,250	5,290	*4,430	4,250	(22.5)
1.5m	kg			*8,670	6,300	5,690	3,480	3,640	2,300	*2,120	1,820	7.02
4.9ft	lb			*19,110	13,890	12,540	7,670	8,020	5,070	*4,670	4,010	(23.0)
0.0m	kg			*7,060	6,010	5,500	3,320	3,550	2,220	*2,370	1,850	6.85
0.0ft	lb			*15,560	13,250	12,130	7,320	7,830	4,890	*5,220	4,080	(22.5)
-1.5m	kg	*4,940	*4,940	*8,670	5,980	5,430	3,260	3,530	2,200	*2,900	2,060	6.32
-4.9ft	lb	*10,890	*10,890	*19,110	13,180	11,970	7,190	7,780	4,850	*6,390	4,540	(20.7)
-3.0m				*6,550	6,080	*4,580	3,300			*3,410	2,640	5.33
-9.8ft	lb			*14,440	13,400	*10,100	7,280			*7,520	5,820	(17.5)

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / 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)
7.5m	kg			*3,760	*3,760					*2,770	*2,770	3.56
24.6ft	lb			*8,290	*8,290					*6,110	*6,110	(11.7)
6.0m	kg					*3,650	*3,650			*2,180	*2,180	5.37
19.7ft	lb					*8,050	*8,050			*4,810	*4,810	(17.6)
4.5m	kg			*4,000	*4,000	*4,260	*4,260	*3,100	2,720	*2,020	*2,020	6.34
14.8ft	lb			*8,820	*8,820	*9,390	*9,390	*6,830	6,000	*4,450	*4,450	(20.8)
3.0m	kg			*7,400	*7,400	*5,270	4,130	*4,340	2,660	*2,010	*2,010	6.86
9.8ft	lb			*16,310	*16,310	*11,620	9,110	*9,570	5,860	*4,430	*4,430	(22.5)
1.5m	kg			*8,670	7,180	*6,050	3,890	*4,610	2,560	*2,120	2,030	7.02
4.9ft	lb			*19,110	15,830	*13,340	8,580	*10,160	5,640	*4,670	4,480	(23.0)
0.0m	kg			*7,060	6,870	*6,380	3,720	*4,670	2,480	*2,370	2,070	6.85
0.0ft	lb			*15,560	15,150	*14,070	8,200	*10,300	5,470	*5,220	4,560	(22.5)
-1.5m	kg	*4,940	*4,940	*8,670	6,840	*5,990	3,660	*4,200	2,460	*2,900	2,300	6.32
-4.9ft	lb	*10,890	*10,890	*19,110	15,080	*13,210	8,070	*9,260	5,420	*6,390	5,070	(20.7)
-3.0m	kg			*6,550	*6,550	*4,580	3,710			*3,410	2,950	5.33
-9.8ft	lb			*14,440	*14,440	*10,100	8,180			*7,520	6,500	(17.5)

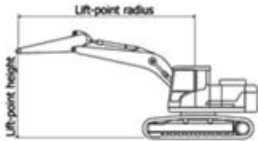
- 1 |

Lifting capacity are based on ISO 10567.
- 2 |

Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- 3 |

The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- 4 |













(*) indicates load limited by hydraulic capacity.















 Rating over-front  Rating over-side or 360 degree

HX145CR MONO BOOM

Boom: 4.6 m (15' 1") / Arm: 3.0 m (9' 10") / 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)
7.5m	kg											*2,450	*2,450	4.28
24.6ft	lb											*5,400	*5,400	(14.0)
6.0m	kg					*3,290	*3,290					*2,070	*2,070	5.86
19.7ft	lb					*7,250	*7,250					*4,560	*4,560	(19.2)
4.5m	kg					*3,580	*3,580	*3,180	2,380			*1,960	1,930	6.76
14.8ft	lb					*7,890	*7,890	*7,010	5,250			*4,320	4,250	(22.2)
3.0m	kg			*5,770	*5,770	*4,880	3,600	3,470	2,300			*1,980	1,680	7.25
9.8ft	lb			*12,720	*12,720	*10,760	7,940	7,650	5,070			*4,370	3,700	(23.8)
1.5m	kg			*8,900	6,140	5,220	3,340	3,350	2,190			*2,100	1,580	7.40
4.9ft	lb			*19,620	13,540	11,510	7,360	7,390	4,830			*4,630	3,480	(24.3)
0.0m	kg			*8,300	5,700	4,990	3,140	3,240	2,090			*2,360	1,600	7.24
0.0ft	lb			*18,300	12,570	11,000	6,920	7,140	4,610			*5,200	3,530	(23.7)
-1.5m	kg	*4,720	*4,720	*9,180	5,590	4,890	3,040	3,190	2,040			*2,710	1,750	6.74
-4.9ft	lb	*10,410	*10,410	*20,240	12,320	10,780	6,700	7,030	4,500			*5,970	3,860	(22.1)
-3.0m	kg	*7,780	*7,780	*7,460	5,650	4,900	3,050					*3,360	2,160	5.82
-9.8ft	lb	*17,150	*17,150	*16,450	12,460	10,800	6,720					*7,410	4,760	(19.1)

Boom: 4.6 m (15' 1") / Arm: 3.0 m (9' 10") / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, Dozer Up











Load point height m (ft)		Load radius								At max. reach					
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach	
														m(ft)	
7.5m	kg														
24.6ft	lb														
6.0m	kg														
19.7ft	lb														
4.5m	kg														
14.8ft	lb														
3.0m	kg														
9.8ft	lb														
1.5m	kg														
4.9ft	lb														
0.0m	kg														
0.0ft	lb														
-1.5m	kg														
-4.9ft	lb														
-3.0m	kg														
-9.8ft	lb														

LIFTING 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") / 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)
7.5m	kg			*3,760	*3,760					*2,770	*2,770	3.56
24.6ft	lb			*8,290	*8,290					*6,110	*6,110	(11.7)
6.0m	kg					*3,650	*3,650			*2,180	*2,180	5.37
19.7ft	lb					*8,050	*8,050			*4,810	*4,810	(17.6)
4.5m	kg			*4,000	*4,000	*4,260	3,760	*3,100	2,360	*2,020	*2,020	6.34
14.8ft	lb			*8,820	*8,820	*9,390	8,290	*6,830	5,200	*4,450	*4,450	(20.8)
3.0m	kg			*7,400	6,740	*5,270	3,570	3,470	2,300	*2,010	1,850	6.86
9.8ft	lb			*16,310	14,860	*11,620	7,870	7,650	5,070	*4,430	4,080	(22.5)
1.5m	kg			*8,670	6,050	5,230	3,340	3,370	2,200	*2,120	1,740	7.02
4.9ft	lb			*19,110	13,340	11,530	7,360	7,430	4,850	*4,670	3,840	(23.0)
0.0m	kg			*7,060	5,750	5,040	3,170	3,280	2,120	*2,370	1,770	6.85
0.0ft	lb			*15,560	12,680	11,110	6,990	7,230	4,670	*5,220	3,900	(22.5)
-1.5m	kg	*4,940	*4,940	*8,670	5,720	4,970	3,110	3,260	2,100	*2,900	1,970	6.32
-4.9ft	lb	*10,890	*10,890	*19,110	12,610	10,960	6,860	7,190	4,630	*6,390	4,340	(20.7)
-3.0m				*6,550	5,830	*4,580	3,160			*3,410	2,530	5.33
-9.8ft				*14,440	12,850	*10,100	6,970			*7,520	5,580	(17.5)

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / 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)
7.5m	kg			*3,760	*3,760					*2,770	*2,770	3.56
24.6ft	lb			*8,290	*8,290					*6,110	*6,110	(11.7)
6.0m	kg					*3,650	*3,650			*2,180	*2,180	5.37
19.7ft	lb					*8,050	*8,050			*4,810	*4,810	(17.6)
4.5m	kg			*4,000	*4,000	*4,260	3,940	*3,100	2,480	*2,020	*2,020	6.34
14.8ft	lb			*8,820	*8,820	*9,390	8,690	*6,830	5,470	*4,450	*4,450	(20.8)
3.0m	kg			*7,400	7,060	*5,270	3,750	3,780	2,420	*2,010	1,950	6.86
9.8ft	lb			*16,310	15,560	*11,620	8,270	8,330	5,340	*4,430	4,300	(22.5)
1.5m	kg			*8,670	6,370	5,750	3,520	3,670	2,330	*2,120	1,840	7.02
4.9ft	lb			*19,110	14,040	12,680	7,760	8,090	5,140	*4,670	4,060	(23.0)
0.0m	kg			*7,060	6,070	5,550	3,350	3,590	2,250	*2,370	1,870	6.85
0.0ft	lb			*15,560	13,380	12,240	7,390	7,910	4,960	*5,220	4,120	(22.5)
-1.5m	kg	*4,940	*4,940	*8,670	6,040	5,480	3,290	3,560	2,230	*2,900	2,080	6.32
-4.9ft	lb	*10,890	*10,890	*19,110	13,320	12,080	7,250	7,850	4,920	*6,390	4,590	(20.7)
-3.0m	kg			*6,550	6,150	*4,580	3,340			*3,410	2,670	5.33
-9.8ft	lb			*14,440	13,560	*10,100	7,360			*7,520	5,890	(17.5)

Boom: 4.6 m (15' 1") / Arm: 2.5 m (8' 2") / 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)
7.5m	kg			*3,760	*3,760					*2,770	*2,770	3.56
24.6ft	lb			*8,290	*8,290					*6,110	*6,110	(11.7)
6.0m	kg					*3,650	*3,650			*2,180	*2,180	5.37
19.7ft	lb					*8,050	*8,050			*4,810	*4,810	(17.6)
4.5m	kg			*4,000	*4,000	*4,260	*4,260	*3,100	2,750	*2,020	*2,020	6.34
14.8ft	lb			*8,820	*8,820	*9,390	*9,390	*6,830	6,060	*4,450	*4,450	(20.8)
3.0m	kg			*7,400	*7,400	*5,270	4,170	*4,340	2,680	*2,010	*2,010	6.86
9.8ft	lb			*16,310	*16,310	*11,620	9,190	*9,570	5,910	*4,430	*4,430	(22.5)
1.5m	kg			*8,670	7,250	*6,050	3,930	*4,610	2,590	*2,120	2,050	7.02
4.9ft	lb			*19,110	15,980	*13,340	8,660	*10,160	5,710	*4,670	4,520	(23.0)
0.0m	kg			*7,060	6,950	*6,380	3,760	*4,670	2,510	*2,370	2,090	6.85
0.0ft	lb			*15,560	15,320	*14,070	8,290	*10,300	5,530	*5,220	4,610	(22.5)
-1.5m	kg	*4,940	*4,940	*8,670	6,910	*5,990	3,700	*4,200	2,490	*2,900	2,330	6.32
-4.9ft	lb	*10,890	*10,890	*19,110	15,230	*13,210	8,160	*9,260	5,490	*6,390	5,140	(20.7)
-3.0m	kg			*6,550	*6,550	*4,580	3,750			*3,410	2,980	5.33
-9.8ft	lb			*14,440	*14,440	*10,100	8,270			*7,520	6,570	(17.5)

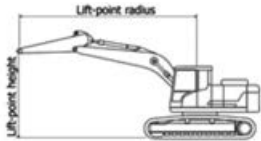
- 1 |

Lifting capacity are based on ISO 10567.
- 2 |

Lifting capacity of HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.
- 3 |

The Lift-point is bucket pivot mounting pin on the arm(without bucket mass).
- 4 |













(*) indicates load limited by hydraulic capacity.















 Rating over-front  Rating over-side or 360 degree

HX145LCR MONO BOOM

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

Load point height m (ft)		Load radius										At max. reach			
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach	
														m (ft)	
7.5m	kg														
24.6ft	lb														
6.0m	kg														
19.7ft	lb														
4.5m	kg														
14.8ft	lb														
3.0m	kg														
9.8ft	lb														
1.5m	kg														
4.9ft	lb														
0.0m	kg														
0.0ft	lb														
-1.5m	kg														
-4.9ft	lb														
-3.0m															
-9.8ft															

Boom: 4.6 m (15' 1") / Arm: 3.0 m (9' 10") / Shoe: 600mm(24") triple grouser with 2,800kg (6,170lb) CWT, Dozer Up

Load point height m (ft)		Load radius										At max. reach				
		1.5m (4.9ft)		3.0m (9.8ft)		4.5m (14.8ft)		6.0m (19.7ft)		7.5m (24.6ft)		Capacity		Reach		
														m (ft)		
7.5m	kg															
24.6ft	lb															
6.0m	kg															
19.7ft	lb															
4.5m	kg															
14.8ft	lb															
3.0m	kg															
9.8ft	lb															
1.5m	kg															
4.9ft	lb															
0.0m	kg															
0.0ft	lb															
-1.5m	kg															
-4.9ft	lb															
-3.0m	kg															
-9.8ft	lb															

STANDARD / OPTION

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"	●	
Arms		
2.5 m, 8' 2"	●	
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.

MEMO

