STANDARD / OPTION

ENGINE		STD	OPT
Hyundai HE6.7 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			•
CAB & INTERIOR			
ISO STANDARD CABIN			
Rise-up type windshield wiper			
Radio / USB player			
12 volt power outlet (24V DC to 12V DC co	nuortor)		
All-weather steel cab with 360° visibility	onverter)		
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			
Cabin Lights		•	
Cabin Front window rain Guard			•
AUTOMATIC CLIMATE CONTROL			•
Air conditioner & heater			
Defroster		•	
Starting Aid (air grid heater) for cold wea	thor		
CENTRALIZED MONITORING	uiei		
8" LCD display - Normal type		•	
8" LCD display - Premium type			•
Engine speed or Trip meter/Accel.		•	_
Engine coolant temperature gauge			
Max power			
Low speed/High speed			
Auto idle			
Overload warning with alarm			•
Air cleaner clogging		•	_
Indicators			
ECO Gauges		- :	
Fuel level gauge		-	
Hyd. oil temperature gauge		•	
Fuel warmer		•	
Warnings			
Communication error		•	
Low battery		•	
Clock		•	
SEAT Mechanical suspension with heater			
		•	_
			•
Adjustable air suspension with heater			
Adjustable air suspension with heater CABIN FOPS (ISO 10262) LEVEL 2	Front 9 T	-d	
Adjustable air suspension with heater CABIN FOPS (ISO 10262) LEVEL 2 FOPS (Falling Object Protective	Front & Top guar	rd	•
Adjustable air suspension with heater CABIN FOPS (ISO 10262) LEVEL 2	Front & Top guard	rd	•

SAFETY	STD	OP1
Battery master switch	•	
Rearview camera		•
AAVM (Advanced Around View Monitoring)		•
Front working lights	•	
Travel alarm	•	
Rear work lamp		•
Beacon lamp		•
Automatic swing brake	•	
Boom holding system	•	
Arm holding system	•	
Safety lock valve for boom cylinder with overload warning device		•
Safety lock valve for arm cylinder		•
Swing Lock System		•
Outside rearview mirror	•	
OTHERS		
Handsfree mobile phone system with USB	•	
Electric horn		
Pilot-operated slidable joystick		
BOOMS		
5,68 m, 18' 8" mono	•	
ARMS		
2.00 m, 6' 7"	T	•
2.40 m, 7' 10"		•
2.92 m, 9' 7"	•	
Removable clean-out dust net for cooler	•	
Removable reservoir tank	•	
Fuel warmer		•
Fuel warmer-Dual		•
Self-diagnostics system	•	
Hi-MATE (Remote Management System)		•
Batteries (2 x 12V x 100 AH)	•	
Fuel filler pump (35 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	-	•
General type guardrail	•	
Tool kit		•
Pre cleaner		•
COUNTERWEIGHT		
5.3 ton CWT		
UNDERCARRIAGE		
TRACK SHOES		
Triple Grousers shoe (600mm,1'12")	•	
Triple Grousers shoe (700 mm, 2'4")	1	•
Triple Grousers shoe (800 mm, 2'7")		•
Track rail guard	•	
Full track rail guard		

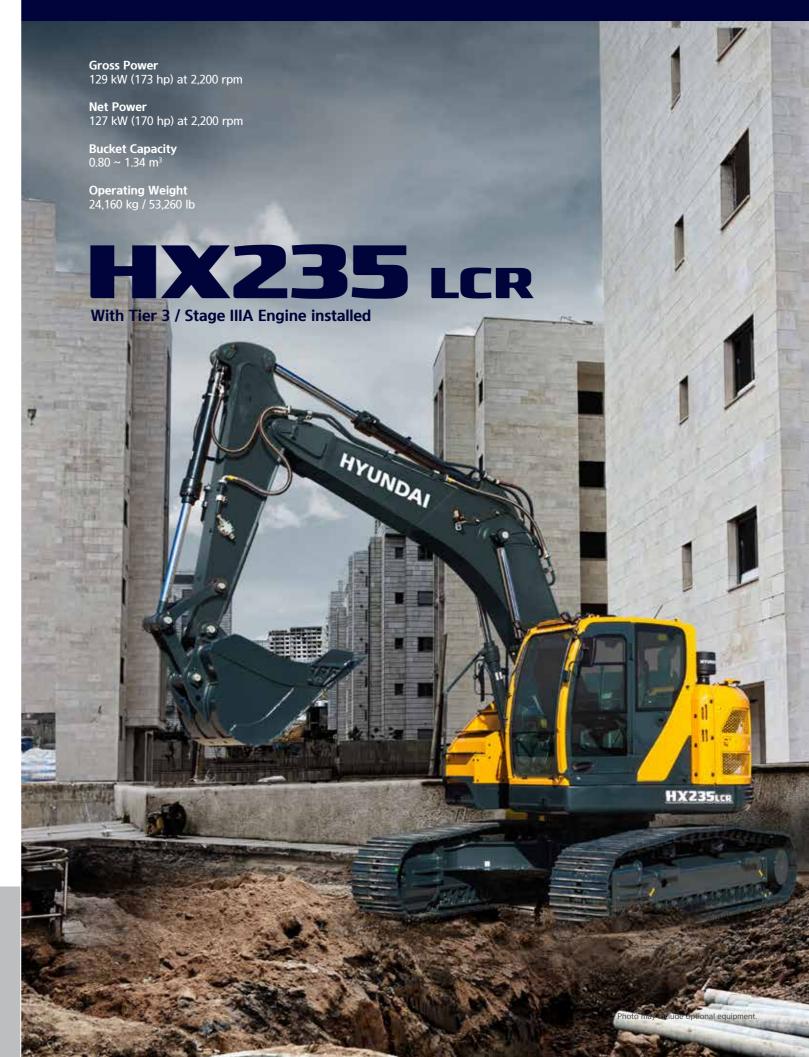
- * The photos may include attachments and optional equipment that are not available in your area.

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

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



MOVING YOU FURTHER



▲ HYUNDAI CONSTRUCTION EQUIPMENT

PLEASE CONTACT

WHAT'S NEWEST AND BEST

WORK MAX, WORTH MAX

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

MORE RELIABLE, MORE STSTAINABLE

- Durable Cooling Module
- Reinforced Pin, Bush and Polymer Shim
- Reinforced Durabillity of Upper and Lower Structure and Attachedments
- Wear Ressistant Cover Plate
- Hi-grade (High-pressure) Hoses

INFOTAINMENT FRONTIER

- Proportional Auxiliary Hydraulic System Option
- Intelligent & Wide Cluster
- Quick Coupler Button
- Audio System Option



EPIC(Electric Pump Independent Control) NEW

HX Series adopts the EPIC system. It is able to reduce pump flow rate and power at the the variable condition optimizely through the individual pump control. Furthermore, MCV spool and minimization of energy loss are improved such as conflux and throttle loss.



Eco Gauge

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



HYUNDAI

Attachment Flow Control Option

HX Series improves pump flow rate by independent control of two pumps. It optimizes attachments for effective flow rate setting depending on attachments (ten breaker types and ten crusher types), enabling various operations matching the site environments.



Fuel Rate Information

Operator can easily check average fuel rate and hourly or daily record also on the cluster.

*The images in this catalog are intended to help understand the



New Variable Power Control

HX Series minimizes equipment input and output control sig-nals to improve fuel efficiency. Its three-stage power mode ensures the highest performance in any operating







BETTER FUEL-EFFICIENC

HX235LCR



WORK MAX, WORTH MAX

Fuel Efficient System Allows Great Performance

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

AHYUNDAI CONSTRUCTION EQUIPMENT

IAGNUYH INFOTAINMENT **FRONTIER Improved Instrument Panel for Easier Monitoring** Many electronic functions are concentrated in the most convenient spot for operators to improve work efficiency. The highly-advanced infotainment system, a product of HCE's intensive information technology development, enables both productivity and comfort while working! HX Series is designed with the operator in mind. * Photo may include optional equipment

New Front Side Air-conditioning

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









New Audio System

The radio player with a USB-based MP3 player, an integrated Bluetooth handsfree feature, and a built-in microphone allow for phone calls while at work and in transit. The radio player is conveniently located on the right side of the operator to allow for improved access.



Quick Coupler Button Option

Easy attachment replacement of equipment is available with quick coupler but-



Wi-Fi Direct with Smart Phone(Miracast) Option

The smart terminal-miracast system uses the Wi-Fi from the operator's smart phone to easily and conveniently enable features of the smart phone, such as navigating, surfing the web, watching videos, and listening to music, on the 8" screen. (Currently only available for Android phones.)



Proportional Auxiliary Hydraulic System Option

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



Intelligent and Wide Cluster

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



New Air Conditioning System

Front side Air Vent holes make operators more convenient and fresh through direct air flow to driver's face, foot and body.



MODERN COMFORT, SIMPLE AND SAFE SOLUTION New Cabin for More Comfort Low noise, low vibration, and ergonomic design make the cabin space more confortable and pleasant! With focus on safety and convenience of operators, HX Series allows rapid and safe equipment inspection anytime and anywhere, providing an optimal environment for operators to work. © © © © ©



HIMXTE

Ontion

IT'S CONVENIENT, EASY AND VALUABLE

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

WHAT IS BENEFITS



Increase Productivity

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



Convenient and Easy Monitoring

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



Security

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

HX235LCR with advanced technology ensures on-site safety...



HX Series excavators are products of HCE's spirit of initiative, creativity, and strong drive. HCE engineers, who are the best in the industry, have worked tirelessly to offer a zero-defect product. The new HX Series reflects customers' needs in the field gleaned by thorough monitoring.

AAVM(Advanced Around View Monitoring) Camera System Option

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

- AAVM(Advanced Around View Monitoring): Secure field of vision in all directions by nine views including 3D bird's eye view and 2D/4CH view.
- **IMOD**(Intelligent Moving Object Detection): **Inform when people or dangerous** objects are detected within the range of operation(recognition distance: 5 m).





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.

Cabin Suspension Mount

With a low-vibration design by the coil spring and damper inside the mount, the cab suspension mount of HX Series reduces noise inside the cabin and improves durability, providing a comfortable operation space that lessens operators' fatique.

SPECIFICATIONS

ENGINE	
Maker / Model	HYUNDAI / HE6.7
Туре	6 cylinder, water cooled, 4-cycle, turbocharged charg air cooled, direct injection, electronic controlled diesel engine
Gross Power	119 kW (160 hp) at 2,200 rpm
Net Power	117 kW (157 hp) at 2,200 rpm
Max. Power	123 kW (165 hp) at 2,000 rpm
Peak Torque	732 N . m (540 lb . ft) at 1,400 rpm
Displacement	6.7 (408cu in)

HYDRAULIC SYSTEM	
MAIN PUMP	
Туре	Variable displacement tandem axis piston pumps
Max. flow	2 x 221 L/min (58.4 Us gpm / 48.6 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 pisto	n motor with automatic brake	
RELIEF VALVE SETTING			
Implement circuits	350 kgf/cm	n² (4,980 psi)	
Travel	350 kgf/cm	350 kgf/cm ² (4,980 psi)	
Power boost (boom, arm, buc	ket) 380 kgf/cm	380 kgf/cm ² (5,410 psi)	
Swing circuit	285 kgf/cm	285 kgf/cm ² (4,050 psi)	
Pilot circuit	40 kgf/cm ²	40 kgf/cm ² (570 psi)	
Service valve	Installed	Installed	
HYDRAULIC CYLINDERS			
	Boom	2-120 X 1,290 mm	
No. of cylinder bore X stroke	Arm	1-140 X 1,510 mm	
DOLE Y SHOKE	Duralisat	1 120 V 1 0FF	

DRIVES & BRAKES	
Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	22,194kgf (48,929 lbf)
Max. travel speed (high / low)	5.6 km/hr (3.5mph) / 3.2 km/hr (2.0mph)
Gradeability	35° (70 %)
Parking brake	Multi wet disc

1-120 X 1,055 mm

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	11.3 rpm

SERVICE CAPACITIES			
	liter	US gal	UK gal
Fuel tank	320.0	84.5	70.4
Engine coolant	35.0	9.2	7.7
Engine oil	24.0	6.3	5.3
Swing device - gear oil	7.0	1.8	1.5
Final drive (each) - gear oil	4.5	1.2	1.0
Hydraulic system (including tank)	330.0	87.2	72.6
Hydraulic tank	160.0	42.3	35.2

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

Center frame	X - leg type
Track frame Pentagonal box type	
No. of shoes on each side	49 EA
No. of carrier roller on each side	2 EA
No. of track roller on each side	9 EA
No. of rail guard on each side	2 EA

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 5,680 mm (18' 8") boom, 2,920 mm (9' 7") arm, SAE heaped $0.80~\text{m}^3$ ($1.05~\text{yd}^3$) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.

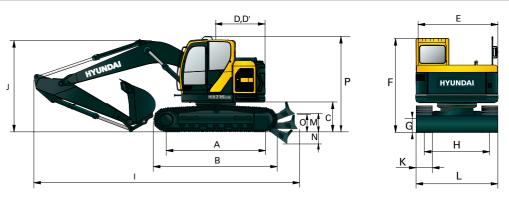
OPERATING WEIGHT

Shoes		Operating weight		Ground pressure
Туре	Width mm (in)	kg (lb)		kgf/cm² (psi)
	600 (24")	HX235LCR	24,160	0.51 (7.31)
	000 (24)	HX235LCR (With Dozer)	25,630	0.55 (7.76)
Triple	700 (2011)	HX235LCR	24,460	0.45 (6.35)
grouser	700 (28")	HX235LCR (With Dozer)	25,940	0.47 (6.73)
	800 (32")	HX235LCR	24,740	0.40 (5.62)
	000 (32)	HX235LCR (With Dozer)	26,240	0.42 (5.96)

DIMENSIONS & WORKING RANGE

HX235 LCR MONO BOOM (DOZER TYPE) DIMENSIONS

5.68 m (18' 8") BOOM and 2.0 m (6' 7"), 2.4 m (7' 10"), 2.92 m (9' 7") ARM

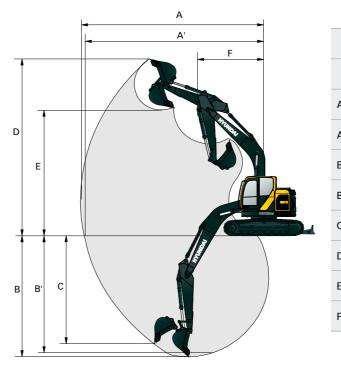


Unit: mm (ft · in

Α	Tumbler distance	3,650 (11' 12")
В	Overall length of crawler	4,446 (14' 7")
C	Ground clearance of counterweight	1,080 (5' 10")
D	Tail swing radius	1,780 (5' 10")
D'	Rear-end length	1,780 (5' 10")
E	Overall width of upperstructure	2,980 (9' 9")
F	Overall height of cab	2,950 (9' 8")
G	Min. ground clearance	470 (1' 7")
Н	Track gauge	2,390 (7" 10")
М	Ground clearance of blade up	550 (1' 10")
N	Depth of blade down	410 (1' 4")
0	Height of blade	740 (2' 5")

Boom length		5,680 (18' 8")		
Arm length	2,000	2,400	2,920	
	(6' 7")	(7' 10")	(9' 7")	
I Overall length	9,980	9,890	9,840	
	(32' 9")	(32' 5")	(32' 3")	
J Overall height of boon	3,240	3,130	3,040	
	(10' 8")	(10' 3")	(10' 0")	
K Track shoe width	600	700	800	
	(1' 12")	(2' 4")	(2' 7")	
L Overall width	2,990	3,090	3,190	
	(9' 10")	(10' 2")	(10' 6")	

HX235 LCR MONO BOOM (DOZER TYPE) WORKING RANGE



				OTHE THIN (IC III)	
	Boom length	5,680 (18' 8")			
	Arm length	2,000 (6' 7")	2,400 (7' 10")	2920 (9' 7")	
Α	Max. digging reach	9,040 (29' 8")	9,430 (30' 11")	9,910 (32' 6")	
A'	Max. digging reach on ground	8,860 (29' 1")	9,260 (30' 5")	9,750 (32' 0")	
В	Max. digging depth	5,750 (18' 10")	6,150 (20' 2")	6,670 (21' 11")	
B'	Max. digging depth (8' level)	5,490 (18' 0")	5,940 (19' 6")	6,490 (21' 4")	
C	Max. vertical wall digging depth	5,120 (16' 10")	5,570 (18' 3")	6,090 (20' 0")	
D	Max. digging height	10,130 (33' 3")	10,460 (34' 4")	10,820 (35' 6")	
E	Max. dumping height	7,220 (23' 8")	7,540 (24' 9")	7,900 (25' 11")	
F	Min. swing radius	2,860 (9' 5")	2,550 (8' 4")	2,350 (7' 9")	

Unit∶mm (ft·in)

^{*} This figure includes the size of grousers.