STANDARD / OPTION

ENGINE

Hyundai HE6.7 Engine

HYDRAULIC SYSTEM

Intelligent Power Control (IPC)

Power mode 2 work mode, user mode

Variable Power Control

Pump Flow Control

Attachment Mode Flow Control

Engine Auto Idle

Engine Auto Machine Control

CAB & INTERIOR

ISO STANDARD CABIN

Five-way independent windshield wiper

Radio / USB player

12 volt power outlet (24V DC to 12V DC converter)

All-weather steel cab with 360° visibility

Safety glass windows

Rising front windshield

Side windows

Lockable door

Storage compartment & Ashtray

Transparent cabin roof-cover

Sun visor

Cabin Lights

AUTOMATIC CLIMATE CONTROL

Air conditioner & heater

Defroster

2020 MAY

CENTRALIZED MONITORING

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 filter cleaning

Indicators

ECO Gauges

Fuel level gauge

Oil temperature gauge

Fuel warning

Warnings

Communication error

Low battery

Clock

SEAT

Mechanical suspension with heater

Adjustable air suspension with heater

CABIN TOPS (ISO 10343 LEVEL 2)

Front & Top guard

Undercarriage

Track shoes

Triple Grouser shoe 1000mm (3' 3")

Triple Grouser shoe 1500mm (4' 11")

Triple Grouser shoe 1600mm (5' 3")

Track rail guard

Full track rail guard

Counterweight

5.3 ton O.D.

SAFETY

Battery master switch

Warranty cameras

AVM (Advanced Around View Monitoring)

Front warning lights

Travel alarm

Rear work lamp

Beacon lamp

Automatic swing brake

Boom holding system

Arm holding system

Safety lock valve for arm cylinder

Safety lock valve for bucket cylinder with overload warning device

Swing Lock System

Warranties on essential equipment

CABIN TOPS

FOPS (Frontal Object Protective Structure): ISO 10343 Level 2

ROPS (Roll Over Protective Structure): ISO 12117-1 Level 2

OTHERS

Handsfree mobile phone system with USB

Emergency horn

First operated readable joystick

BRAKES

1.68 m, 10” mono

2.00 m, 7’ 10”

2.30 m, 7’ 10”

2.92 m, 9’ 7”

Removable clean-out dust net for cooler

Removable reservoir tank

Fuel warmer

Fuel washer / Diesel

Self-diagnostics system

Hi-MATE (Remote Management System)

Batteries (2 x 12V x 100 A/h)

Fuel filler pump (35 L/min)

Single-acting piping kit (breaker, etc.)

Double-acting piping kit (clamshell, etc.)

Rotating Piping Kit

Quick coupler system

Accumulator for lowering work equipment

Pattern change valve (2 patterns)

Flow Ratio Control System

General type guardrail

Tow kit

Pre cleaner

HYUNDAI CONSTRUCTION EQUIPMENT

Head Office (Sales Office)

9F, Bundang First Tower, 55 Bundang-ro, Bundang-gu, Seongnam-si, Gyeonggi-do, 13591, Korea

STANDARD / OPTION

Please contact

2020. MAY
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 SUSTAINABLE

• Durable Cooling Module
• Reinforced Pin, Bush and Polymer Shim
• Reinforced Durability of Upper and Lower Structure and Attachments
• Wear Resistant Cover Plate
• Hi-grade (High-pressure) Hoses

INFOTAINMENT FRONTIER

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

MODERN COMFORT, SIMPLE AND SAFE SOLUTION

• AAVM(Advanced Around View Monitoring)  Option Camera System
• HI-MATE (Remote Management System)  Option
• Swing Lock System  Option
• Fine Swing Control  Option

* Photo may include optional equipment.
15% increased greater screen from 7 to 8 inch is applied in HX Series. More functions and better resolution are available with adding premium options.

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

**Attachment Flow Control**
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.

**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 the detailed menu as well.

**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 features. The values in the images may differ from the actual information.

**New Variable Power Control**
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.

**Better Fuel Efficiency**
* Compared to 9 Series:
  - Truck Loading: 7%  
  - Leveling: 5%  
  - Daily Fuel Efficiency: 8%  

* Photo may include optional equipment.

**HYUNDAI CONSTRUCTION EQUIPMENT**

**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.
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.

New Front Side Air-conditioning System
The ventilation is designed for both warm and cool air reaching to operator’s faces. It could help operators create more neat and enjoyable atmosphere through indoor air circulation.

Wi-Fi Direct with Smart Phone (Miracast)
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
Proportional control switch with better speed control helps operators to enlarge the operation convenience whenever they do time-consuming work.

New Audio System
The radio player with a USB-based MP3 player, an integrated Bluetooth hands-free 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.

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.

Quick Coupler Button
Easy attachment replacement of equipment is available with quick coupler button.

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.

* Photo may include optional equipment.
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 Geo-fence boundary, you will get alerts.

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 through thorough monitoring.
SPECIFICATIONS

ENGINE

Maker / Model HYUNDAI / HE6.7
Type 6 cylinder, water cooled, 4-cylinder, 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

HYDRAULIC SYSTEM

Type Variable displacement tandem axis piston pumps
Max. flow 2 x 221 L/min
Peak Torque 732 N·m (540 lb·ft) at 1,400 rpm
Max. Power 123 kW (165 hp) at 2,000 rpm
Gross Power 119 kW (160 hp) at 2,200 rpm

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

Fuel tank 320.0 84.5 70.4
Engine coolant 35.0 9.2 7.7
Engine oil 24.0 6.3 5.3

HYDRAULIC MOTORS

Travel Two speed axial pistons motor
Travel Speed 5.6 km/hr (3.5 mph) / 3.2 km/hr (2.0 mph)

UNDERCARRIAGE

The 4-leg type center frame is integrally welded with reinforced box-section track frames. The undercarrige includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

DIMENSIONS & WORKING RANGE

HX235 LCR MONO BOOM (DOZER TYPE) DIMENSIONS
5.688 (18' 8") BOOM and 2.0 m (6' 7") ARM

HX235 LCR MONO BOOM (DOZER TYPE) WORKING RANGE

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Unit: mm (ft · in)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boom length</td>
<td>5,680 (18' 8&quot;)</td>
</tr>
<tr>
<td>Arm length</td>
<td>2,400 (7' 10&quot;)</td>
</tr>
<tr>
<td>Overall length</td>
<td>3,400 (11' 2&quot;)</td>
</tr>
<tr>
<td>Overall height</td>
<td>2,400 (7' 10&quot;)</td>
</tr>
<tr>
<td>Track length</td>
<td>700 (2' 10&quot;)</td>
</tr>
<tr>
<td>Overall width</td>
<td>1,090 (3' 6&quot;)</td>
</tr>
</tbody>
</table>

**Note:** This figure includes the size of grousers.