Standard Equipment

- Engine
  - Low Emission Diesel, Tier-III
- Transmission
  - 4-speed automatic, electronically controlled, manual override
- Power Train
  - Torque converter
  - Electronically controlled, automatic shift
- Brakes
  - Service, enclosed wet-disc brakes
  - Parking, handbrake
- Clutches
  - Forward and reverse
- Fluid System
  - Hydraulic oil, oil cooler
  - Diesel fuel
  - Antifreeze
- Air Conditioning
  - Air conditioner
  - Heat pump
- Electrical System
  - 12-volt battery
  - Alternator
  - Charging system
  - Starter, electric
- Starting System
  - Air start system
  - Remote stand-alone start
- Ignition
  - Ignition switch
  - Key start
- Lighting
  - Headlight
  - Foglight
  - Stoplight
  - Taillight
- Electrical
  - fusible links
  - Circuit breaker
  - Fuse panel
- Cooling System
  - Radiator
  - Intercooler
  - Fan
- Lubrication System
  - Oil bath
  - Hydraulic oil
  - Coolant
- Safety Devices
  - Safety cage
  - Roll cage
  - Guard, gear box
  - Guard, engine

Optional Equipment

- Air-conditioning system
- Electronic controlled, manual override
- Power Train
  - Torque converter
  - Electronically controlled, automatic shift
- Brakes
  - Service, enclosed wet-disc brakes
  - Parking, handbrake
- Clutches
  - Forward and reverse
- Fluid System
  - Hydraulic oil, oil cooler
  - Diesel fuel
  - Antifreeze
- Air Conditioning
  - Air conditioner
  - Heat pump
- Electrical System
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  - Hydraulic oil
  - Coolant
- Safety Devices
  - Safety cage
  - Roll cage
  - Guard, gear box
  - Guard, engine

Standard equipment and optional equipment may vary. Consult your Hyundai dealer for more information. The machine shown may vary according to territorial specification.
Meet the new generation wheel loader in Hyundai.

The HL730-7A will give you the satisfaction in higher power, lower fuel consumption, more comfort and lower emission.

Come and experience what Hyundai has created for you by bringing power and technology.

New Generation - **HL730-7A**

**Engine**
- Tier III Low Emission Certificated
- Electronic Engine Control
- Engine Protection & Self-diagnosis System
- 2 Operating Mode: Power & Econo

**Transmission**
- 2 Automatic Selection Mode
- 2 Kick Down Function Mode
- AEB Function
The Centralized Display & Switch Panel
The centralized digital display shows the status and conditions of your machine at a glance. Easy-to-read gauges with an instrument panel provide constant, and accurate information.

New Generation, Innovative Solution in Construction

Adjustable steering column

Joystick Controls
Pilot-operated controls for bucket operation by the Joystick are easy and comfortable to operate.

Finger Control Lever (Option)
It is possible to change the direction of travel as well as controlling Hydraulic system.(Option)

Full automatic shift lever
A single lever on the left side of the steering column gives the operator fast, easy control of speed and direction. Push the lever forward to go forward, pull it back for reverse. Travelling is automatically changed from 1st stage to given stage according to travel speed and tractive effort. The operator can select two kinds of automatic modes (1st → 4th, 2nd → 4th). These exclusive features contribute to a step-up in productivity and reduction of operator’s fatigue.

The Air Conditioning and Heating System
The operator can easily control the temperature and air flow. The defroster on the front windshield and rear window makes it convenient for winter working usage.

Control Center
The all-new, deluxe operating space is engineered with 3-D modeling for your ultimate control center. The wide, tinted and laminated front windshield has no framing cutting through to ensure excellent visibility.

Ride control system (optional)
Ride control system functions such as shock absorbers gives smooth operation without losing of the load even over a rough terrain condition. Therefore the system allows faster travelling and improved safety and productivity.

Up-to-Date-technology CAN System
Engine control Unit(ECU), Transmission control Unit(TCU) and Machine control Unit(MCU) realize the optimal performance through the mutual CAN communications.

Joystick Controls
Pilot-operated controls for bucket operation by the Joystick are easy and comfortable to operate.

Finger Control Lever (Option)
It is possible to change the direction of travel as well as controlling Hydraulic system.(Option)
New Generation, Innovative Solution in Construction

**HL730-7A**

The CUMMINS QSB4.5 electronic control engine combines full-authority electronic controls with the reliable performance. The combination of high pressure common rail system and advanced in-cylinder combustion technology results in increased power, improved transient response and reduced fuel consumption. And the QSB4.5 used advanced electronics controls to meet the emission standards (EPA Tier3, EU Stage III-A).

**A Well Rounded System**

Maximize the productivity of your business with HL730-7A.
With our vast experience in the production of construction equipment, Hyundai is able to meet the demands of consumers.

**Bucket cylinder guard**
This guard helps to prevent possible damage from load material.

**High-rigidity frames**
Front and rear frames are designed for work in the toughest applications to provide high rigidity for the power train and loader equipment. The high-rigidity frames, together with the reinforced loader linkage, resist loading stress and shock.

**Axle**
Inboard type brake.

**Sealed loader linkage**
Fully protected fitting and the sealed loader linkage with dust seals and o-ring will extend lubrication intervals remarkably.

**Battery master switch**
A master switch disconnects the battery power to protect the electrical system from excessive electrical drainage.

**Frame lock**
Machine can be locked by this locking bar to prevent movement during transportation.

**Axle**
Inboard type brake.

**Battery master switch**
2 Operating mode
- **Econo Mode**
  - Maximum fuel efficiency for general loading
- **Power Mode**
  - Maximum power output for hard digging or climb hill

**A Well Rounded System**

**Multi Function Transmission**

The newly developed transmission control represents the beating heart of transmission. The hydraulic system for gearshifts is working with proportional valves, which allows very precise control of the clutches. For each gearchange, the control unit performs a monitoring function to ensure that the specified shift curve is adhered to the range, and readjusts the shift pressure applied to the clutches accordingly. This results in smooth gearshifts—even under the load—with no traction interruptions. This helps to avoid standstill of the vehicle, sudden load changes and torque peaks under all conditions, for example application on steep terrain with full load. In addition, there is the option for the driver to make gearshifts manually.

**Some of the Photo may include optional equipment.**
Accessible and Serviceable

New Generation, Innovative Solution in Construction HL730-7A

An ideal arrangement of component parts ensures easy access and convenience for maintenance. Highly accessible engine compartment assures fast and efficient maintenance.

- Accessible grease fittings: Grease fittings are highlighted and available around the machine for the fast access when doing your service checks.
- Simple air filter replacements: The air cleaner is easily replaceable by turning the wing nut on the outer shell counterclockwise.
- Chromium - Plated PIN is applied: With the application of Chromium Plated PIN, durability and precision are improved and the life cycle became longer.
- Remote type drain port: It is now easier to change your engine oil, coolant and hydraulic oil with the remote drain port.
- Hydraulic tank: The hydraulic tank is located behind the cab to increase the accessibility of hydraulic hoses and pipings.
- Oil sight gauge: The hydraulic oil check sight gauge is installed on the side of the hydraulic tank for the convenient checks from ground level.
- Transmission oil port: The transmission oil change port is also located for with open accessibility and comes with an anti-vandalism lock for your machine protection.
- Central electric controllers & Fuse box: Electric controllers for Hyundai loader are centralized to improve serviceability. A concentrated fuse box for easy inspection.
- Cabin air fresh filter: The internal pressure is maintained to be slightly higher than that of outside to exclude dust and to reduce noise levels.
- Coolant sight gauge: The coolant sight gauge is installed on the top of radiator for convenient checks of coolant level.
- Easy Access to All Engine Accessories: Here you find the engine oil check, and the main and pre-filters. The large access engine-side-panels permit easy and safe inspections. The fuel and oil filters can be spun on and off for quick replacements.
- Up-to-date hydraulic remote cooling fan: The minimum fuel consumption and low noise is realized by applying hydraulic cooling fan that senses coolant temperature, intake air temperature, transmission oil temperature and hydraulic oil temperature. Reversible cooling fan (Option) Optional reversible cooling fan that ejects debris in the radiator and cooler.

Some of the Photos may include optional equipment.
### Engine
- **Maker/Model**: CUMMINS QSB4.5
- **Type**: 4-cycle, turbocharged, charge air cooled direct injection, electronic controlled diesel engine
- **Gross power**: 125HP (93 kW) / 1,200 rpm
- **Net power**: 119HP (89 kW) / 1,200 rpm
- **Maximum torque**: 396 m·kgf (333 ft·lb) / 1,400 rpm
- **No. of cylinders**: 4

### Transmission
- **Torque converter type**: 3-elements, single-stage single-phase
- **Tire**: 10R11
- **Air cooler**: Dry, dual elements
- **Battery**: 2 x 12V, 70 Amp
- **Starting motor**: 24V, 3.7 kW
- **Cooling**: Hydraulic remote cooling system

### Axles
- **Drive system**: Four-wheel drive system
- **Mount**: Rigid front axle and oscillating rear axle
- **Rear axle oscillation**: ±12° (total 24°)

### Hydraulic System
- **Type**: Full automatic power shift, counteract type with soft-shift in range and direction. Properly matched torque converter to engine and transmission for excellent working ability
- **Pump**: Helical gear type, 74 liters/min (20 USgpm) at governed rpm
- **Relief Valve Setting**: 210 kg/cm² (2,990 psi)
- **Pilot System Type**: Double acting
- **Cylinder**: HL730-7A

### Brakes
- **Service Brakes**: Hydraulically activated, wet disc brakes activate all 4 wheels independent axle-by-axle system. Single pedal braking including clutch cut off switch.
- **Parking Brake**: Spring-applied, hydraulically released wet disc brakes in front axle.
- **Emergency Brake**: When brake oil pressure drops, indicator light alerts operator and parking brake automatically applies.

### Specification
- **Bore x Stroke**: 107 mm (4.2") x 124 mm (4.8")
- **Displacement**: 4.5L (275 cu in)
- **Compression ratio**: 17.2 : 1
- **Air cleaner**: Dry, dual elements
- **Alternator**: 24V, 70 Amp
- **Battery**: 2 x 12V, 70 Ah
- **Starting motor**: 24V, 3.7 kW

### Transmission
- **Pump**: Helical gear type, 74 liters/min (20 USgpm) at governed rpm
- **Relief Valve Setting**: 210 kg/cm² (2,990 psi)
- **Cylinder**: Double acting
- **Type**: HL730-7A

### Service Refill Capacities
- **Fuel tank**: 202 liters (53.4 USgal)
- **Cooling system**: 30 liters (7.5 USgal)
- **Crankcase**: 17.2 liters (4.5 USgal)
- **Battery**: 24V, 70 Amp
- **Alternator**: 24V, 70 Amp
- **Air cleaner**: Dry, dual elements

### Tires
- **Type**: Tubeless, loader design tires
- **Options include**: 17.5-25, 12 PR, L3

### Stearing System
- **Type**: Full hydraulic power steering
- **Pump**: Helical gear type, 74 liters/min (20 USgpm) at governed rpm
- **Relief Valve Setting**: 210 kg/cm² (2,990 psi)
- **Cylinder**: Double acting
- **Type**: HL730-7A

### Brakes
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- **Pump**: Helical gear type, 74 liters/min (20 USgpm) at governed rpm
- **Relief Valve Setting**: 210 kg/cm² (2,990 psi)
- **Cylinder**: Double acting
- **Type**: HL730-7A

### Overview
- **Description**: General purpose built-on cooling edge
- **Unit**: HL730-7A

### Dimensions
- **Description**: Overall length
- **Unit**: HL730-7A
- **Description**: Overall height (fully raised)
- **Unit**: HL730-7A

### Axes
- **Drive system**: Four-wheel drive system
- **Mount**: Rigid front axle and oscillating rear axle
- **Rear axle oscillation**: ±12° (total 24°)

### Brakes
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