Supplemental Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>Change in operating weight (kg/lb)</th>
<th>Change in static tipping (load’-40 turn’-90) (kg/lb)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20.5-25 6REP L3 tires</td>
<td>-672 (-1,482)</td>
<td>-670 (-1,482)</td>
</tr>
<tr>
<td>23.5-25 20P, LS</td>
<td>+804 (+1,774)</td>
<td>+680 (+1,499)</td>
</tr>
<tr>
<td>23.5 R2S XH+</td>
<td>+8 (+18)</td>
<td>+6 (+13)</td>
</tr>
</tbody>
</table>

Optional Equipment

- 24-volt to 12-volt DC converter
- Air conditioner
- air conditioner with heater housing
- Alarm, back-up
- Beacon light, rotating
- Cutting edge, bolt-on type
- Differential, limited slip (torque)
Hardworking Hyundai Loaders

You can meet the new generation wheel loader in Hyundai.

The HL760-7 will give you the satisfaction in higher power, lower fuel consumption, more comfort and lower emission compared with before.

Come experience what Hyundai has created for you by bringing together great power and up-to-the-minute technology.

Wheel Loader HL760-7

**Engine**
- Electronic Engine Control System
- Engine Protection & Self-diagnostic System
- Max. Power: 225 HP

**Transmission**
- 2 Automatic Selection Mode
- 2 Kick Down Function Mode
- AEB Function

**Axle**
- Pilot type front axle
The all-new, deluxe operating space was engineered with 3-D modeling to be your ultimate control center. The wide, tinted and laminated front windshield has no framing cutting through to ensure excellent visibility.

**Joystick Control Lever**
Two kickdown switches located on top of the loader control lever and the gear shifting lever allow the operator to change instantly to 1st stage lower gear, in order to drive at full power into the material.

**Ride control system (optional)**
The ride control system is available for smooth travelling as option. It significantly reduces machine bouncing and absorbs the shocks in the machine, enhancing the productivity of the machine. This system reduces the fatigue of the driver as well as the stress on the structures and components. The system is consisted of accumulators in the hydraulic lift circuit, hydraulic control valve and selection switch.

- Off position : Function is cancelled
- On position : Function is available
- Auto position : Function is available when the machine travels above 9.5 km/hr (6.0 mph), if the machine travels under 8 km/hr (5.0 mph), the function is cancelled automatically.

**Centralized Digital Display**
The centralized digital display the status and conditions of your machine at a glance. Easy-to-read gauges and adjustable tilting and telescopic steering with an attached instrument panel provide constant, and accurate information.

**Easy-to-read gauges and adjustable tilting and telescopic steering**

**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.

**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). This exclusive feature contributes to a step-up in productivity and reduction of operator’s fatigue.

**Ride control system**
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**Adjustable steering column**

**Control Center**

**Control Center 4 Control Center 5**
A Well Rounded System

Engine
The CUMMINS QSB5.9-C electronic control engine combines full-authority electronic controls with the reliable performance. The combination of improved airflow and evenly dispersed fuel results in increased power, improved transient response and reduced fuel consumption. And the QSB5.9-C used advanced electronics controls to meet the thoughts emission standards (EPA Tier III, EU Stage III).

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

Wear plate
This close up shows the protective plating found underneath the rear of the bucket and is used to prevent excess wear when digging into 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.

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

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

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

Drive Shaft
Permanent lubricating drive shaft. There is no need to add grease periodically.

Axle
Increased number of brake disc. Increased mounting strength by applying the fixed front axle pilot.

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 allow a very precise control of the clutches. For each gearchange, the control unit performs a monitoring function to ensure the specified shift curve is adhered to, and readjusts the shift pressure applied to the clutches accordingly. This results in smooth gearshifts even under load-with no traction interrupt. 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.

The minimum fuel consumption and low noise by applying hydraulic cooling fan sensing coolant temperature, intake air temperature, transmission oil temperature and hydraulic oil temperature.

Up-to-date hydraulic remote cooling fan

A Well Rounded System

Multi Function Transmission

Photo may include optional equipment.
Accessible and Serviceable

Accessible grease fittings
Grease fittings are highlighted and available around the machine for 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 counter-clockwise.

Central electric controllers
Electric controllers for this Hyundai loader are centralized to improve serviceability.

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 piping.

Open pin access
You can more readily remove or tighten your front attachment pin with these open connectors surrounding the pin.

Oil sight gauge
The hydraulic oil check sight gauge is installed on the side of the hydraulic tank for convenient checks from ground level.

Transmission oil port
The transmission oil change port is also located for open accessibility and comes with an anti-vandalism lock for your machine protection.

Coolant Sight Gauge
The coolant sight gauge is installed on the radiator top tank for convenient checks of coolant level.

Fuse Box
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.

Easy Access to All Engine Accessary
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 filter can be spun on and off for quick replacements.

Photo may include optional equipment.

Photos may include optional equipment.
**Engine**

- **Maker/Model**: CUMMINS GBS5.9-C
- **Type**: 4-cycle, turbocharged, charge air-cooled direct injection, electronic controlled diesel engine

**Specifications**

- **Gross power**: 215HP (160 kW) / 2,200rpm
- **Net power**: 205HP (153 kW) / 2,200rpm
- **Maximum power**: 225HP (168 kW) / 2,000rpm
- **Maximum torque**: 98kg.m (692 lb-ft) / 1,500rpm
- **No. of cylinders**: 6
- **Bore x Stroke**: 102 mm (4.0") x 120 mm (4.7")
- **Displacement**: 5.9 (360 cu in)
- **Compression ratio**: 16.3:1
- **Air cleaner**: Dry, dual elements
- **Battery**: 24V, 70 Amp
- **Alternator**: Single-phase 36V, 70 Amp
- **Net power output as installed in this spec**: 205HP (153 kW) / 2,200rpm
- **Fuel**: Diesel
- **Emission regulation**: EU (Stage III) or EPA Tier 4 Final

**Transmission**

- Full automatic power shift, counter shaft type with soft-shift in range and direction. Properly matched torque converter to engine and transmission for excellent working ability

**Torque converter**

- 3-elements, single-stage single-phase
- **Stall torque ratio**: 3.06:1
- **Travel speed km/h (mph)**
  - **Forward**: 1st 7.64 (4.7), 2nd 12.88 (8.0), 3rd 23.6 (14.7), 4th 36.4 (22.6)
  - **Reverse**: 1st 8.01 (5.0), 2nd 13.51 (8.4), 3rd 24.7 (15.3)

**Transmission**

- **Cycle time**
  - Raise: 0.2 sec (with load)
  - Dump: 1.3 sec
  - Lower: 3.0 sec (empty)
  - Total: 10.5 sec

**Axles**

- **Drive system**: Four-wheel drive system
- **Mount**: Rigid front axle and oscillating rear axle
- **Rear axle oscillation**: ± 12" (30 cm)
- **Hub reduction**: Planetary reduction at wheel end
- **Differential**: Torque proportional differential
- **Reduction ratio**: 24.865

**Hydraulic system**

- **Type**: Open-centered, tandem circuit system. Pilot operated controls.
- **Pump**: Helical gear type, 283 liters/min (15 gal/min) @ 2,000 rpm
- **Control valve**: Two function valve with single or two lever controls. Optional third-function valve with auxiliary lever.
- **Relief valve setting**: 210 kg/cm² (3,000 psi)
- **Control valve relief setting**: Pilot oil pressure is generated by the pilot oil supply unit.
- **Pilot system**: Pilot oil pressure is generated by the pilot oil supply unit.
- **Bucket controls**: Pilot operated lift and tilt circuit, single-lever joystick control standard.
- **Lift circuit**: The valve has four functions; raise, hold, lower and float. Can adjust automatic bucket kickout from horizontal to full lift.
- **Tilt circuit**: The valve has three functions; tilt back, hold and dump. Can adjust automatic bucket positioner to desired load angle.
- **Cylinder**: Type: Double acting
  - No. of cylinders: Bore x stroke: 80mm (3.1") x 440mm (17.3")
  - Type: Double acting
  - Flow to steering cylinders: 102 mm (4.0") x 120 mm (4.7")

**Brakes**

- **Service brakes**: Hydraulically actuated, wet disc brakes actuate all 4 wheels independent axle-by-axle system. Single pedal braking including clutch cut off switch.
- **Parking brake**: Spring-apply, hydraulically released disc brake on front axle input shaft
- **Emergency brake**: When brake oil pressure drops, indicator light alerts operator and parking brake automatically applies.

**Dimensions**

- **Height over cab mm (ft-in)**: 3,440 (11' 3")
- **Height over exhaust mm (ft-in)**: 3,210 (10' 6")
- **Wheelbase mm (ft-in)**: 3,300 (10' 10")
- **Bucket pivot max. height mm (ft-in)**: 4,150 (13' 7")
- **Overall height (fully raised) mm (ft-in)**: 5,540 (18' 2")
- **Digging depth mm (in)**: 90 (3.5")
- **Reach mm (ft-in)**: 8,000 (26' 3")
- **Height over ground mm (ft-in)**: 8,060 (26' 5")
- **Full lift mm (ft-in)**: 1,190 (3' 11")
- **No. of cylinders (l) x bore (mm) x stroke (mm)**: 5.9 (360) x 80 x 440
- **Type**: Double acting
- **Flow to steering cylinders**: (75 gal/min) @ governed rpm
- **Relief valve setting**: 210 kg/cm² (3,000 psi)
- **Pump**: Helical gear type, 147 liters/min (46.0 gal/min) @ 2,000 rpm
- **Control valve**: Two function valve with single or two lever controls. Optional third-function valve with auxiliary lever.
- **Relief valve setting**: 210 kg/cm² (3,000 psi)

**Tires**

- **Type**: Tubeless, loader design tires
- **Standard**: 23.5-25, 20 PR, L3
- **Options include**: 20.5-25, 16 PR, L3

**Overview**

- **Operating weight kg (lb)**: 17,900 (39,460)
- **Breakout force-bucket kg (lb)**: 15,950 (35,160)
- **Bucket capacity**: Standard: 23.5-25, 20 PR, L3
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