

MOVING YOU FURTHER

# HL965

With Tier4 Final / Stage IV Engine installed



\*Photo may include optional equipment.

## HYUNDAI CONSTRUCTION EQUIPMENT

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2019. 09 Rev.6

**Net Power**

269 hp (201 kW) / 2,100 rpm

**Gross Power**

272 hp (203 kW) / 2,100 rpm

**Travel Speed**

40.0 km/hr (24.9 mph)

**Operating Weight**

20,100 kg / 44,315 lb





# RULE THE GROUND

The HL900 Series wheel loaders are products of Hyundai's spirit of initiative, creativity, and strong drive. Hyundai's engineering experts have worked tirelessly to offer a zero-defect product. The new HL900 Series reflects customers' needs in the field gleaned by thorough monitoring. They maximize performance proven by rigorous field tests and quality control. The HL900 Series exceeds customers' expectations! Become a true leader on the ground with Hyundai's HL900 Series.



\*Photo may include optional equipment.



# RULE THE GROUND

# HL965

The HL900 Series exceeds customer's expectation!  
Become a true leader on the ground with Hyundai's HL900 Series.



## WORK MAX, WORTH MAX

- Accurate Onboard Weighing System
- Eco Gauge
- Eco Pedal (Option)
- Electro-Hydraulic Control
- Automatic Shut-Down of Engine (Option, Only Button Key)
- 5 Speed Lock-up Clutch (Option)
- ICCO (Intelligent Clutch Cut-off)
- Hydraulic Lock Differential (Option)
- Thermostat for Transmission Cooling (Option)
- Load Sensing Hydraulics



## MORE RELIABLE, MORE SUSTAINABLE

- Durable Structure for After-Treatment
- Improved Bucket Fill Factor
- Sinter Brake Disc
- Premium Quality Axles
- Hydraulic Hose
- Sealed Drive Line Center Bearing
- Axle Oil Cooling System (Option)



## INFOTAINMENT FRONTIER

- Intelligent & Wide Touch Screen Monitor
- Centralized Cluster
- Audio System
- Wifi Direct With Smart Phone (Smart Terminal)
- Hi-MATE



## MODERN COMFORT, SIMPLE AND SAFE SOLUTION

- Fully Sealed Engine Room & Fully Openable
- Fully Adjustable Seat Armrest, Seat
- Full Sound-Proofed Spacious Cabin
- Electro-Hydraulic Implement Control
- New Air Conditioning System
- Increased Service Life for Engine Air Filter
- Soft end Stop
- LED lamp (Option)
- Ride Control System (Option)



\*Photo may include optional equipment.





\*Photo may include optional equipment.



#### Accurate Onboard Weighing System

All Hyundai HL900 series models include Hyundai's proprietary onboard weighing system as standard equipment. Accurate to +/- 1 percent, the system has automatic and manual settings for monitoring individual and cumulative bucket load weights. System measurements are displayed on the multi-function screen in the cab, providing load-weight monitoring reliable enough to support production management.

# WORK MAX, WORTH MAX

## Tier 4 Final Engine Technologies

Hyundai HL900 series wheel loaders incorporate new engine technologies for Tier 4 Final compliance and include many new features that contribute to overall fuel and production efficiency.



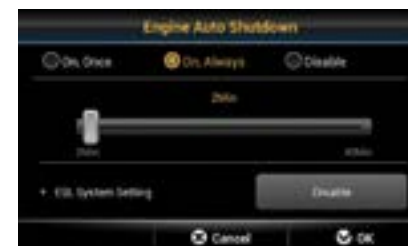
### Eco Gauge

Using this function, the operator can monitor fuel consumption in real time or review historical data. Displayed values include engine torque, fuel efficiency, average and total fuel consumed. Hourly and daily fuel consumption also is viewable through the menu.



### Eco Pedal (Option)

The innovative Eco Pedal helps the operator work as efficiently as possible. When working the engine throttle between zero and 85 percent of full power, fuel savings are maximized. For those tough jobs, the operator easily commands maximum performance by applying additional pressure on the Eco Pedal to gain up to 100 percent of available engine power.



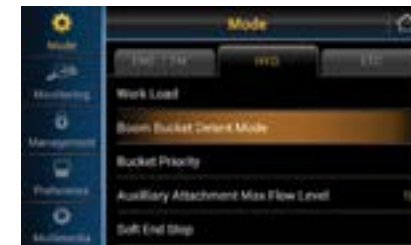
### Automatic Shut-Down of Engine (Option, Only Button Key)

This system turns off the engine when entering idle state to minimize unnecessary fuel consumption and emissions. Operators can select the operating mode and idle time, depending on the work condition, which contributes to overall fuel efficiency.



### 5 Speed Lock-up Clutch (Option)

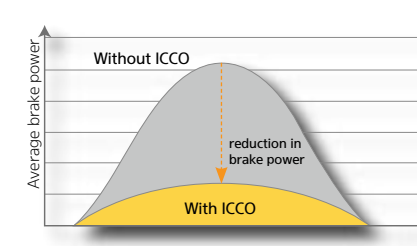
With the five-speed transmission and lockup clutch, operators can select the appropriate gear for their work conditions, thereby reducing fuel consumption.



### Electro-Hydraulic Control

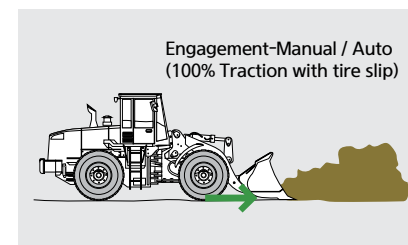
With improved precision and operability, the electro-hydraulic control system of the HL900 Series provides diverse functions and easy handling to control any working conditions, increasing productivity and reducing fatigue of operators.

\* Fine operation / bucket priority / Auxiliary attachment max flow / Soft end stop



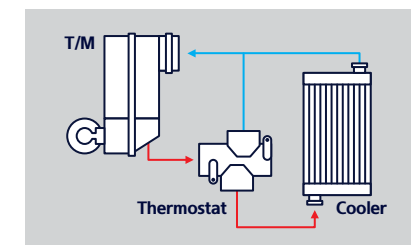
### ICCO (Intelligent Clutch Cut-off)

By selecting of H-mode, It will be engaged for minimizing the loss of power on torque converter and reducing the damage. The ICCO restrains generation of heat that improves overall durability of brake disk.



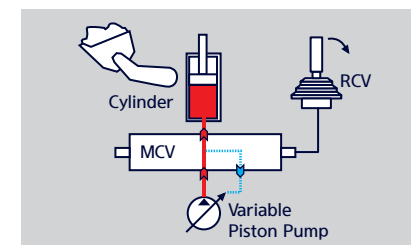
### Hydraulic Lock Differential (Option)

Hydraulic Lock Differential has the advantages of both improving productivity and less fuel consumption by preventing tire slip during the operation.



### Thermostat for Transmission Cooling (Option)

With thermostat for transmission cooling, temperature of fluid increases rapidly and remains at optimal temperature during winter season, thereby achieving quick warm, protection of functional parts, and the higher efficiency.



### Load Sensing Hydraulics

With precise load sensing and the higher efficiency on control of piston pump, the load sensing contributes to reduce the fuel consumption by discharging the minimum oil pressure and flow.



# MORE RELIABLE, MORE SUSTAINABLE

## New Exterior Design for More Robustness and Safety

The true value of the HL900 Series, which is now far more powerful, is revealed in tough working environments. With the high-strength design structure and enduring system proven by rigorous road tests at various work sites, Hyundai's wheel loaders can perform any high-load work to maximize productivity. Durability of frames and attachments has been enhanced by 1.5 times compared to the previous generation 9-series.



### Durable Structure for After-Treatment

HL965 wheel loaders are equipped with a robust support and shock absorbing system to prevent failure of after-treatment system components during operation.



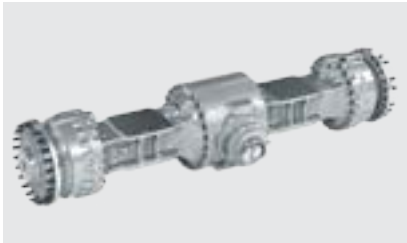
### Improved Bucket Fill Factor

Hyundai's improved bucket design features an innovative wider opening, curved side plates and enhanced spill guard to maximize bucket capacity and minimize material loss when traveling. Durability is also enhanced through the use of high wear-resistant steel in key structural areas of the bucket.



### Sintered Brake Disc

The HL900 series features longer-lasting sintered brake discs designed to produce less heat and vibration, which improves overall brake durability. This service-friendly design contributes to reduced downtime for brake maintenance and reduces overall cost of ownership.



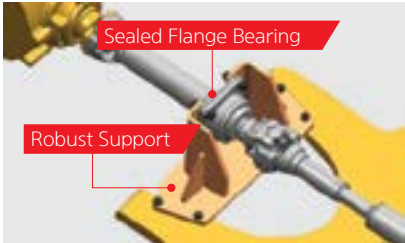
### Premium Quality Axles

An enhanced axle improves driving over variable ground conditions.



### Hydraulic Hose

Hyundai provides high quality hydraulic hoses, which are three to four times more durable than other hoses commonly found in the industry.

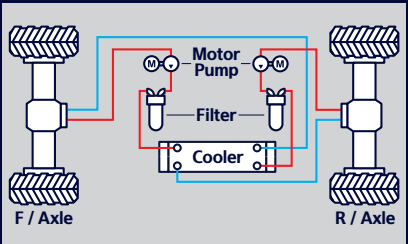


### Sealed Drive Line Center Bearing

Hyundai's wheel loaders are designed for extended service life. A sealed drive-line center bearing with a reinforced support area contributes to improved long-term reliability.



\*Photo may include optional equipment.



### Axle Oil Cooling System (Option)

A separate cooling system prevents overheating of axle oil caused by frequent braking and high-load work.





\*Photo may include optional equipment.



#### Intelligent & Wide Touch Screen Monitor

The seven-inch capacitive-type display (like a smart phone display) of the HL900 Series is larger than the previous model and provides excellent legibility. Audio AUX maximizes convenience of operators.

# INFOTAINMENT FRONTIER

## Enhanced Instrument Panel for Easier Monitoring

The HL900 Series is optimized to enable operators to access accurate equipment data in a timely manner. This feature is more important in tough working environments to increase productivity while enjoying various forms of entertainment. Enjoy unparalleled satisfaction provided by infotainment of Hyundai's state-of-the-art information technology!



#### Centralized Cluster

With the centralized icons on the display, operators are easily aware the conditions and faults of machines.



#### Audio System

The radio with MP3 functions, the integrated Bluetooth hands-free feature, and the built-in microphone allow for phone calls and for listening to music while in the field.



#### Wifi Direct With Smart Phone (Smart Terminal)

The Miracast system connects to an operator's smartphone via the phone's Wi-Fi. This enables operators to view their phone screen on the monitor for web surfing, videos and/or music.

## Hi MATE

### 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. Juts 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



# MODERN COMFORT, SIMPLE AND SAFE SOLUTION

## New Cabin for More Comfort

With top priority on satisfaction of operators in terms of silence, safety, and maintain-ability, Hyundai's wheel loaders provide comfortable cabin space for operators by low-vi-bration, low-noise, and superior safety design. They also offer greater satisfaction by extending the replacement cycle of supplies and minimizing maintenance time and cost.



### Fully Sealed Engine Room & Fully Openable

The HL900 series has improved accessibility to the sealed engine room with a tilt-back hood to allow for easy cleaning and maintenance. The engine compartment is designed to prevent any possibility of fire due to contamination. The wide open access when the hood is open also enhances serviceability of the engine and cooling room.



### Fully Adjustable Seat Armrest, Seat

The HL965 wheel loader is equipped with large, comfortable, high-quality seats with headrests. The armrest and controller are mounted to the seat so they move with the operator, which improves comfort and reduc-es fatigue.



### Full Sound-Proofed Spacious Cabin

The state-of-the-art noise reduction tech-nology found on the HL900 series models results in one of the quietest working en-vironments in the industry. In-cab sound levels are as low as 70 dB.



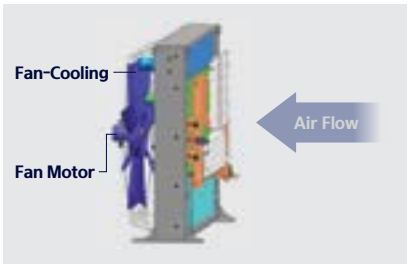
### Electro-Hydraulic Implement Control

Hyundai's wheel loaders have an electro-hy-draulic implement control lever. Operators can operate attachments with less strength, enabling greater productivity and minimizing fatigue of operators.(Roller switch for AUX SPOOL Control)



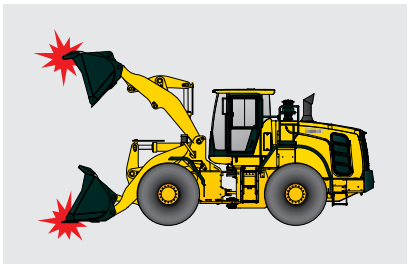
### New Air Conditioning System

Hyundai's wheel loaders have optimized air flow to maximize heating and cooling per-formance. The air conditioning system is lo-cated on the right side of the cab to allow for easier maintenance and filter replace-ment. The capacity of the inner filter also is increased. Filter material is improved for superior filtering performance.



### Increased Service Life for Engine Air Filter

The HL965 has a durable wide fin cool-er preventing performance degradation caused by alien substances. The HL975 is equipped with the reversal fan to eliminate many kinds of debris.



### Soft end Stop

This function reduces the hydraulic speed of the cylinder as it reaches the end of its stroke. This lessens the shock load of the stroke, which improves material retention, while increasing operator comfort and pro-ductivity.

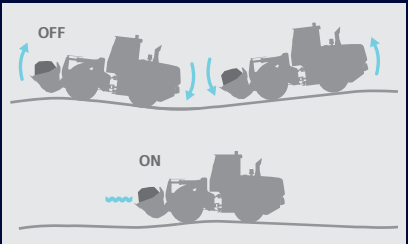


\*Photo may include optional equipment.



### LED lamp (Option)

All lamps are applied with LED lights. You can mount the lamps on Work Lamp (Front / Back), Head Light, Beacon lamp and Rear Combi Lamp. They have many advantages that longer service life (ap-proximately 40 times than before), further range of lighting (66% of range enhancement), Energy consumption reduction (70% of reduction to halogen lighting).



### Ride Control System (Option)

Ride control system with piston accumulator, which reduces the pitch of body and bucket of wheel loader, minimizes spillover and contributes to increase convenience.





# SPECIFICATIONS

| ENGINE                           |                |              |
|----------------------------------|----------------|--------------|
| Engine Model                     | Cummins / QSL9 |              |
| Maximum Gross Power ( 2,100 rpm) |                |              |
| SAE J1995                        | 203 kW         | 272 hp       |
| Maximum Net Power (2,100 rpm)    |                |              |
| SAE J1349                        | 201 kW         | 269 hp       |
| Max. Power (1,800~2,000 rpm)     |                |              |
|                                  | 213 kW         | 285 hp       |
| Peak Gross Torque (1,400 rpm)    |                |              |
| SAE J1995                        | 1,451 N·m      | 1,070 lbf·ft |
| Maximum Net Torque (1,400 rpm)   |                |              |
| SAE J1349                        | 1,432 N·m      | 1,056 lbf·ft |
| Bore                             | 114 mm         | 4.49 in      |
| Stroke                           | 145 mm         | 5.71 in      |
| Displacement                     | 8.9 L          | 543 in³      |

- The indicated net power is available for the flywheel when the engine is equipped with a fan, alternator, air cleaner, and after-treatment device.
- The indicated gross power is obtained with the fan at maximum speed.

| TRANSMISSION |     |             |      |                                 |
|--------------|-----|-------------|------|---------------------------------|
| Travel speed |     | 4 speed T/M |      | 5 speed T/M                     |
|              |     | km/h        | mph  | with lock up clutch<br>km/h mph |
| Forward      | 1st | 6.0         | 3.7  | 6.3 3.9                         |
|              | 2nd | 11.4        | 7.1  | 11.1 6.9                        |
|              | 3rd | 22.9        | 14.2 | 17.1 10.6                       |
|              | 4th | 37.4        | 23.2 | 26.6 16.5                       |
|              | 5th | -           | -    | 40 24.9                         |
| Reverse      | 1st | 6.3         | 3.9  | 6.7 4.1                         |
|              | 2nd | 12.0        | 7.4  | 11.7 7.3                        |
|              | 3rd | 24.2        | 15.0 | 28.0 17.4                       |

- This is the maximum travel speed of a standard machine with unfilled bucket.

| AXLES |                          |
|-------|--------------------------|
| Front | Fixed                    |
| Rear  | Oscillating ± 12 degrees |

| OVERVIEW              |          |        |         |
|-----------------------|----------|--------|---------|
| Description           | Unit     | HL965  | HL965XT |
| Operating weight      | kg       | 20,100 | 20,960  |
|                       | lb       | 44,315 | 46,210  |
| Bucket capacity       | Heaped   | m³     | 3.60    |
|                       |          | yd³    | 4.71    |
|                       | Struck   | m³     | 3.10    |
|                       |          | yd³    | 4.05    |
| Breakout force-bucket | kg       | 17,400 | 17,265  |
|                       | lb       | 38,360 | 38,060  |
| Tipping load          | Straight | kg     | 14,700  |
|                       |          | lb     | 32,410  |
|                       | Full     | kg     | 12,720  |
|                       |          | lb     | 28,045  |

| TIRES           |                                |
|-----------------|--------------------------------|
| Type            | Tubeless, loader design tires  |
| Standard        | 23.5 R25, L3<br>23.5 R25, XHA2 |
| Options include | 23.5-25, 20PR, L3              |
|                 | 23.5-25, 20PR, L5              |

| BRAKES          |  |
|-----------------|--|
| Service Brakes  | Hydraulically actuated, wet disc brakes actuate all 4 wheels, independent axle-by-axle system. Self adjusting & wheel speed brake. |
| Parking Brake   | Spring-applied, hydraulically released brake   |
| Emergency Brake | When brake oil pressure drops, indicator light alerts operator and parking brake automatically applies.                            |

| HYDRAULIC SYSTEM                        |                                |              |              |
|---|--------------------------------|--------------|--------------|
| Implement Pump Type                     | Load sensing hydraulic system  |              |              |
| Implement System                        |                                |              |              |
| Maximum Pump Output (2,130rpm)          | 286 L/min                      | 75.6 gal/min |              |
| Maximum Operating Pressure              | 28000 kPa                      | 4,061 psi    |              |
| Hydraulic Cycle Time with Rated Payload | Raise from Carry Position      | 5.8 Sec.     |              |
|   | Dump, at Maximum Raise         | 1.4 Sec.     |              |
|   | Lower, Empty, Float Down       | 3.1 Sec.     |              |
|   | Total                          | 10.3 Sec.    |              |
| Cylinder                                | Type : Double acting           |              |              |
|   | No. of cylinders-bore X stroke |              |              |
|   | Lift                           | mm           | 2-140 x 785  |
|   |                                | in           | 2-5.5 x 30.9 |
|   | HL965 Tilt                     | mm           | 2-160 x 560  |
|   |                                | in           | 2-6.3 x 22.0 |
| HL965XT Tilt                            | mm                             | 2-160 x 560  |              |
|   | in                             | 2-6.3 x 22.0 |              |

\* Hyundai Bio Hydraulic Oil (HBHO) available

| STEERING SYSTEM |   |
|-----------------|---|
| Type            | Load sensing hydrostatic articulated steering                 |
| Pump            | Variable displacement piston pump, 132 L / min (34.9 gal/min) |
| System Pressure | 25,000 kPa<br>3,626 psi                                       |
| Cylinder        | Double acting   |
|                 | mm 2-75 x 424<br>in 2-2.9 x 16.7                              |
| Steering Angle  | 40° to both right and left angle, respectively                |

| SERVICE REFILL CAPACITIES           |       |        |
|-------------------------------------|-------|--------|
| UNIT                                | L     | US gal |
| Fuel tank                           | 300.0 | 79.2   |
| DEF tank                            | 27.0  | 7.1    |
| Cooling system                      | 44.0  | 11.6   |
| Crankcase                           | 19.0  | 5.0    |
| Transmission                        | 48.0  | 12.7   |
| Front axle                          | 42.0  | 11.1   |
| Rear axle                           | 40.0  | 10.6   |
| Hydraulic tank                      | 115.0 | 30.4   |
| "Hydraulic system (including tank)" | 215.0 | 56.8   |

| CAB   |
|---|
| ROPS / FOPS meet ISO 3471 and ISO 3449 Level II standards |

| SOUND  |           |
|--|-----------|
| Guaranteed Noise Level presented below can be differed depending on a range of factors such as operating condition, speed of a cooling fan, types of engine and so forth. Hearing protection shall be necessary if an operator is working in the improperly maintained cabin or exposed to a noisy environment by leaving doors and/or windows open. |           |
| With Cooling Fan Speed at Maximum Value:   |           |
| Operator Sound Pressure Level (ISO 6396:2008)  | 71 dB(A)  |
| Exterior Sound Power Level (ISO 6395:2008)   | 107 dB(A) |

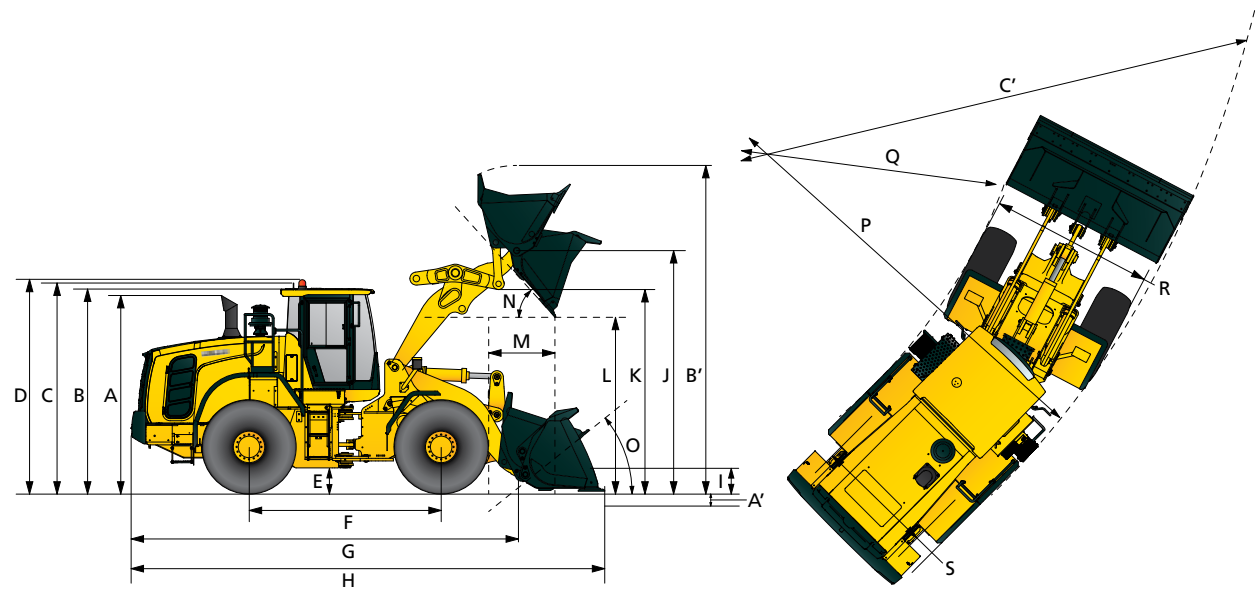
\*Distance of 15 m (49.2 ft), moving forward in second gear ratio.



# SPECIFICATIONS

## DIMENSIONS

All dimensions are approximate.



| Description   | HL965  |       | HL965XT |       |
|---|--------|-------|---------|-------|
|   | mm     | in    | mm      | in    |
| A. Height to Top of Exhaust Pipe                    | 3,375  | 132.9 | 3,375   | 132.9 |
| B. Height to Top of Cabin                           | 3,450  | 135.8 | 3,450   | 135.8 |
| C. Height to Top of Product Link Antenna            | 3,850  | 151.6 | 3,850   | 151.6 |
| D. Height to Top of Warning Beacon                  | 3,580  | 140.9 | 3,580   | 140.9 |
| E. Ground Clearance                                 | 410    | 16.1  | 410     | 16.1  |
| F. Wheelbase  | 3,300  | 130.0 | 3,300   | 130.0 |
| G. Overall Length (without bucket)                  | 6,980  | 274.8 | 7,560   | 297.6 |
| H. Shipping Length (with bucket level on ground)    | 8,280  | 326.0 | 8,850   | 348.4 |
| I. Hinge Pin Height at Carry Position               | 480    | 18.9  | 615     | 24.2  |
| J. Hinge Pin Height at Maximum Lift                 | 4,145  | 163.2 | 4,630   | 182.3 |
| K. Lift Arm Clearance at Maximum Lift               | 3,485  | 137.2 | 3,955   | 155.7 |
| L. Dump Clearance at Maximum Lift and 45° Discharge | 2,955  | 116.3 | 3,440   | 135.4 |
| M. Reach at Maximum Lift and 45° Discharge          | 1,400  | 55.1  | 1,455   | 57.3  |
| N. Dump Angle at Maximum Lift and Dump (on stops)   | 50     |       | 50      |       |
| O. Roll Back Angle                                  | Ground | 42    | 42      |       |
|   | Carry  | 47    | 49      |       |
| P. Clearance Circle (diameter) to Outside of Tires  | 12,045 | 474.2 | 12,045  | 474.2 |
| Q. Clearance Circle (diameter) to Inside of Tires   | 6,530  | 257.1 | 6,530   | 257.1 |
| R. Width over Tires (unloaded)                      | 2,760  | 108.7 | 2,760   | 108.7 |
| S. Tread Width                                      | 2,160  | 85.0  | 2,160   | 85.0  |

· A', B', C' are indicated on the p.17

## OPERATING SPECIFICATIONS WITH BUCKETS

| Linkage   |         | Standard Linkage         |           |               |           |               |           | High Lift<br>Linkage<br>Change |
|---|---------|--------------------------|-----------|---------------|-----------|---------------|-----------|--------------------------------|
| Bucket Type   |         | General Purpose - Pin On |           |               |           |               |           |                                |
| Edge Type   |         | Bolt-On Cutting Edges    |           | 1 Piece Teeth |           | 2 Piece Tooth |           |                                |
| Capacity - Rated                                      | m³      | 3.60                     | 3.80      | 3.40          | 3.60      | 3.40          | 3.60      | -                              |
|   | yd³     | 4.71                     | 4.97      | 4.45          | 4.71      | 4.45          | 4.71      | -                              |
| Capacity - Rated at 110% Fill Factor                  | m³      | 3.96                     | 4.18      | 3.74          | 3.96      | 3.74          | 3.96      | -                              |
|   | yd³     | 5.18                     | 5.47      | 4.90          | 5.18      | 4.90          | 5.18      | -                              |
| Width   | mm      | 3,000                    | 3,000     | 3,050         | 3,050     | 3,070         | 3,070     | -                              |
|   | ft / in | 9' 10.1"                 | 9' 10.1"  | 10' 0.1"      | 10' 0.1"  | 10' 0.9"      | 10' 0.9"  | -                              |
| Dump Clearance at Maximum Lift and 45° Discharge      | mm      | 2,955                    | 2,920     | 2,830         | 2,795     | 2,795         | 2,760     | +485                           |
|   | ft / in | 9' 8.3"                  | 9' 7.0"   | 9' 3.4"       | 9' 2.0"   | 9' 2.0"       | 9' 0.7"   | +1' 7.1"                       |
| Reach at Maximum Lift and 45° Discharge               | mm      | 1,400                    | 1,435     | 1,485         | 1,520     | 1,505         | 1,540     | +55                            |
|   | ft / in | 4' 7.1"                  | 4' 8.5"   | 4' 10.5"      | 4' 11.8"  | 4' 11.3"      | 5' 0.6"   | +2.2"                          |
| Digging Depth   | mm      | 90                       | 90        | 115           | 115       | 125           | 125       | +0                             |
|   | ft / in | 3.5"                     | 3.5"      | 4.5"          | 4.5"      | 4.9"          | 4.9"      | +0                             |
| Shipping Length (with Bucket)                         | mm      | 8,280                    | 8,330     | 8,430         | 8,480     | 8,470         | 8,520     | +570                           |
|   | ft / in | 27' 2.0"                 | 27' 4.0"  | 27' 7.9"      | 27' 9.9"  | 27' 9.5"      | 27' 11.4" | +1' 10.4"                      |
| Overall Height with Bucket at Maximum Lift            | mm      | 5,700                    | 5,750     | 5,700         | 5,750     | 5,700         | 5,750     | +485                           |
|   | ft / in | 18' 8.4"                 | 18' 10.4" | 18' 8.4"      | 18' 10.4" | 18' 8.4"      | 18' 10.4" | +1' 7.1"                       |
| Loader Clearance Circle with Bucket at Carry Position | mm      | 13,580                   | 13,610    | 13,735        | 13,765    | 13,785        | 13,815    | +460                           |
|   | ft / in | 44' 6.6"                 | 44' 7.8"  | 45' 0.7"      | 45' 1.9"  | 45' 2.7"      | 45' 3.9"  | +1' 6.1"                       |
| Static Tipping Load, Straight (No Tire Deflection)    | kg      | 14,700                   | 14,600    | 14,910        | 14,830    | 14,910        | 14,830    | -1,300                         |
|   | lb      | 32,410                   | 32,185    | 32,780        | 32,695    | 32,780        | 32,695    | -2,865                         |
| Static Tipping Load, Articulated (No Tire Deflection) | kg      | 12,720                   | 12,630    | 12,900        | 12,830    | 12,900        | 12,830    | -1,200                         |
|   | lb      | 28,045                   | 27,845    | 28,440        | 28,285    | 28,440        | 28,285    | -2,645                         |
| Breakout Force  | kg      | 17,400                   | 16,755    | 18,465        | 17,745    | 18,465        | 17,745    | -135                           |
|   | lb      | 38,360                   | 36,940    | 40,710        | 39,120    | 40,710        | 39,120    | -300                           |
| Operating Weight*                                     | kg      | 20,100                   | 20,145    | 20,015        | 20,060    | 20,015        | 20,060    | +860                           |
|   | lb      | 44,315                   | 44,410    | 44,125        | 44,225    | 44,125        | 44,225    | +1,895                         |

\* All height and tire related dimensions are with standard 23.5 R25, L3 tires.



SPECIFICATIONS

| DENSITY OF OPERATING MATERIALS |                            |                             |
|--------------------------------|----------------------------|-----------------------------|
| Loose Material                 |                            | Material Density [ton / m³] |
| Earth / Clay                   |                            | 1.5 ~ 1.7                   |
| Sand and Gravel                |                            | 1.5 ~ 1.7                   |
| Aggregate                      | 25 ~ 76 mm (1" to 3 in)    | 1.6 ~ 1.7                   |
|                                | 19 mm (0.7 5in) and larger | 1.8                         |

| HL960HD BUCKET SELECTION CHART     |               |                         |     |     |     |     |     |     |     |     |                    |                   |     |     |     |     |     |
|------------------------------------|---------------|-------------------------|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-------------------|-----|-----|-----|-----|-----|
| Standard lift arm, General Purpose |               |                         |     |     |     |     |     |     |     |     |                    |                   |     |     |     |     |     |
| Type                               | m³<br>(yd³)   | Material Density [t/m³] |     |     |     |     |     |     |     |     |                    |                   |     |     |     |     |     |
|                                    |               | 0.9                     | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8                | 1.9               | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 |
| Cutting edge                       | 3.6<br>(4.71) | 4.1 m³ (5.36 yd³)       |     |     |     |     |     |     |     |     |                    | 3.4 m³ (4. 45yd³) |     |     |     |     |     |
| Cutting edge                       | 3.8<br>(4.97) | 3.7 m³ (3.84 yd³)       |     |     |     |     |     |     |     |     | 3.6 m³ (4.71 yd³)  |                   |     |     |     |     |     |
| 1-Bolt on tooth                    | 3.4<br>(4.45) | 3.9 m³(5.10 yd³)        |     |     |     |     |     |     |     |     |                    | 3.2 m³(4.19 yd³)  |     |     |     |     |     |
| 1-Bolt on tooth                    | 3.6<br>(4.71) | 4.1 m³ (5.36 yd³)       |     |     |     |     |     |     |     |     |                    | 3.4 m³ (4. 45yd³) |     |     |     |     |     |
| 2-Bolt on tooth                    | 3.4<br>(4.45) | 3.9 m³(5.10 yd³)        |     |     |     |     |     |     |     |     |                    | 3.2 m³(4.19 yd³)  |     |     |     |     |     |
| 2-Bolt on tooth                    | 3.6<br>(4.71) | 4.1 m³ (5.36 yd³)       |     |     |     |     |     |     |     |     |                    | 3.4 m³ (4. 45yd³) |     |     |     |     |     |
| High lift arm, General Purpose     |               |                         |     |     |     |     |     |     |     |     |                    |                   |     |     |     |     |     |
| Type                               | m³<br>(yd³)   | Material Density [t/m³] |     |     |     |     |     |     |     |     |                    |                   |     |     |     |     |     |
|                                    |               | 0.9                     | 1.0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8                | 1.9               | 2.0 | 2.1 | 2.2 | 2.3 | 2.4 |
| Cutting edge                       | 3.6<br>(4.71) | 4.1 m³ (5.36 yd³)       |     |     |     |     |     |     |     |     |                    | 3.4 m³ (4.45 yd³) |     |     |     |     |     |
| Cutting edge                       | 3.8<br>(4.97) | 4.4 m³ (5.75 yd³)       |     |     |     |     |     |     |     |     | 3.6 m³ (4.71 yd³ ) |                   |     |     |     |     |     |
| 1-Bolt on tooth                    | 3.4<br>(4.45) | 3.9 m³ (5.10 yd³)       |     |     |     |     |     |     |     |     |                    | 3.2 m³ (4.19 yd³) |     |     |     |     |     |
| 1-Bolt on tooth                    | 3.6<br>(4.71) | 4.1 m³ (5.36 yd³)       |     |     |     |     |     |     |     |     |                    | 3.4 m³ (4.45 yd³) |     |     |     |     |     |
| 2-Bolt on tooth                    | 3.4<br>(4.45) | 3.9 m³ (5.10 yd³)       |     |     |     |     |     |     |     |     |                    | 3.2 m³ (4.19 yd³) |     |     |     |     |     |
| 2-Bolt on tooth                    | 3.6<br>(4.71) | 4.1 m³ (5.36 yd³)       |     |     |     |     |     |     |     |     |                    | 3.4 m³ (4.45 yd³) |     |     |     |     |     |



STD & OPT

| CAB & INTERIOR  | STD | OPT |
|---|-----|-----|
| Alternator, 95A   | ●   |     |
| Alarms, audible and visual  |     |     |
| Air filter clogging   | ●   |     |
| Transmission error  | ●   |     |
| Battery voltage   | ●   |     |
| Brake oil pressure  | ●   |     |
| Engine oil pressure   | ●   |     |
| Parking brake   | ●   |     |
| Fuel level  | ●   |     |
| Hydraulic oil temperature   | ●   |     |
| Engine coolant temperature  | ●   |     |
| Transmission oil temperature  | ●   |     |
| Service brake oil pressure  | ●   |     |
| Engine coolant level  | ●   |     |
| Alarm, back-up  | ●   |     |
| Batteries   |     |     |
| 1,315 CCA, 12V, 2 pcs   | ●   |     |
| Gauges  |     |     |
| Engine coolant temperature  | ●   |     |
| Fuel level  | ●   |     |
| Speedometer   | ●   |     |
| Transmission oil temperature  | ●   |     |
| Horn, electric  | ●   |     |
| Indicator lights  |     |     |
| Torque converter lock up  |     | ●   |
| High beam   | ●   |     |
| Turn signal   | ●   |     |
| FNR joystick steering   |     | ●   |
| Pilot cut off   | ●   |     |
| LCD Display   |     |     |
| Clock and fault code  | ●   |     |
| Operating hour counter  | ●   |     |
| Engine rpm  | ●   |     |
| Transmission gear range   | ●   |     |
| Indicator   | ●   |     |
| Job time and distance   | ●   |     |
| Temperature (coolant, hydraulic oil, T/M oil)                             | ●   |     |
| Lighting system   |     |     |
| LED dome light  | ●   |     |
| 2 stop and tail lights  | ●   |     |
| 4 turn signals  | ●   |     |
| Brake lights (counterweight)  | ●   |     |
| 2 head lights on front tower  | ●   |     |
| 2 working lights on front roof  | ●   | ●   |
| 4 working lights on front roof, 2 working lights on rear roof             |     | ●   |
| 4 working lights (2 xenon) on front roof, 2 working lights on rear roof   |     | ●   |
| 4 working lights (LED) on front roof, 2 working lights (LED) on rear roof |     | ●   |
| 2 working lights on grill   | ●   |     |
| 2 working lights (LED) on grill   |     | ●   |
| Switches  |     |     |
| Hazard  | ●   |     |
| Selective catalytic reduction   | ●   |     |
| Engine hood open  | ●   |     |
| Parking   | ●   |     |
| Battery master switch   | ●   |     |
| FNR shifter   |     | ●   |
| Differential Lock   |     | ●   |
| Secondary steering  |     | ●   |
| Pilot cut off   | ●   |     |
| Ignition  |     |     |
| Key   | ●   |     |
| Button  |     | ●   |
| Membrane Switches in monitor  |     |     |
| Main light  | ●   |     |
| Work light  | ●   |     |
| Auto grease   |     | ●   |
| Quick coupler   |     | ●   |
| Ride control  |     | ●   |
| Work load   | ●   |     |
| Beacon light  |     | ●   |
| Rear wiper  | ●   |     |
| Mirror heat   |     | ●   |

| CAB & INTERIOR   | STD | OPT |
|--|-----|-----|
| Membrane Switches in monitor   |     |     |
| Auto position  | ●   |     |
| Fine modulation  |     | ●   |
| Cab (sound suppressed)   |     |     |
| Cigar lighter & ashtray  | ●   |     |
| Coat hook  | ●   |     |
| Automatic climate control  |     |     |
| Air conditioner & heater   | ●   |     |
| Defroster  | ●   |     |
| Intermittent wiper and washer, front and rear                        | ●   |     |
| Seat   |     |     |
| 2" retractable seat belt & adjustable mechanical suspension (heated) | ●   |     |
| 2" retractable seat belt & adjustable air suspension (heated)        |     | ●   |
| 3" retractable seat belt & adjustable air suspension (heated)        |     | ●   |
| Personal storage space   |     |     |
| Console box  | ●   |     |
| Holder, can and cup  | ●   |     |
| Rear view mirrors (1 inside)   | ●   |     |
| Rear view mirrors (2 outside)  | ●   |     |
| Rear view mirrors(2 outside, heated)                                 |     | ●   |
| Steering column, tilt and telescopic                                 | ●   |     |
| Steering wheel with knob   | ●   |     |
| Roller type sunshade (front window)                                  | ●   |     |
| Roller type sunshade (rear window)                                   |     | ●   |
| Tinted safety glass  | ●   |     |
| One door cab   | ●   |     |
| Magazine pocket  | ●   |     |
| Pedals   |     |     |
| One accelerator pedal  | ●   |     |
| One brake pedal  | ●   |     |
| Dual-Brake pedal   |     | ●   |
| Accel pedal with ECO switch  | ●   |     |
| Accel pedal without ECO switch                                       |     | ●   |
| Radio / USB player   | ●   |     |
| Rubber floor mat   | ●   |     |
| Wrist rest   | ●   |     |
| 24-volt to 12-volt DC converter (20A)                                |     | ●   |

| ENGINE                          |   |   |
|---------------------------------|---|---|
| Antifreeze                      | ● |   |
| Engine, CUMMINS, QSL9           |   |   |
| Tier4 Final / Stage IV          | ● |   |
| Engine enclosure, lockable      | ● |   |
| Fan guard                       | ● |   |
| Fuel/water separator            | ● |   |
| Clean emission module           |   |   |
| DOC and SCR                     | ● |   |
| Rain cap, engine air intake     | ● |   |
| Radiator                        | ● |   |
| Fuel warmer                     | ● |   |
| Coolant level sight gauge       | ● |   |
| Engine oil level dipstick gauge | ● |   |
| 3 stage air precleaner          |   | ● |

| POWER TRAIN  |   |   |
|--|---|---|
| Service brake (enclosed wet-disk)  | ● |   |
| Parking brake  | ● |   |
| Torque converter   | ● |   |
| Transmission F4 / R3, computer controlled, electronic soft shift, auto-shift and kick-down features included | ● |   |
| Transmission F5 / R3 with lock-up clutch   |   | ● |
| Transmission oil sight level   | ● |   |
| Limited slip differential (front, rear)  |   | ● |
| Transmission oil cooler  | ● |   |
| Transmission oil cooler with thermostat  |   | ● |
| Hydraulic lock differential ( front )  |   | ● |
| Axle cooling system  |   | ● |

| POWER TRAIN                       | STD | OPT |
|-----------------------------------|-----|-----|
| Tires                             |     |     |
| 23.5 R25, L3                      | ●   |     |
| 23.5 R25, XHA2                    |     | ●   |
| 23.5-25, 20PR, L3                 |     | ●   |
| 23.5-25, 20PR, L5                 |     | ●   |
| Travel speed limiter (20-40 km/h) |     | ●   |

| HYDRAULIC SYSTEM                       |   |   |
|--|---|---|
| Boom kickout, automatic                | ● |   |
| Bucket positioner, automatic           | ● |   |
| Diagnostic pressure taps               | ● |   |
| Hydraulic oil cooler                   | ● |   |
| Hydraulic control, 2 spool             | ● |   |
| Hydraulic control, 3 spool             |   | ● |
| EH Control(Joystick)                   | ● |   |
| EH Control(Fingertip)                  |   | ● |
| Hyd. Control(Joystick)                 |   | ● |
| Hyd. Control(Fingertip)                |   | ● |
| Lever control-signle axle (EH control) |   | ● |
| Joystick Steering                      |   | ● |
| Ride control system                    |   | ● |
| Secondary steering system              |   | ● |
| Extra piping-for auxiliary function    |   | ● |
| Quick coupler piping                   |   | ● |
| Auto grease system                     |   | ● |
| Hyundai Bio Hydraulic Oil (HBHO)       |   | ● |

| OTHER  |   |   |
|--|---|---|
| Articulation locking bar                               | ● |   |
| Counterweight  | ● |   |
| Optional counterweight                                 |   | ● |
| Door and cab locks, one key                            | ● |   |
| Doors, service access (locking)                        | ● |   |
| Drawbar with pin                                       | ● |   |
| Ergonomically located and slip resistant, left & right | ● |   |
| Handrails  | ● |   |
| Ladders  | ● |   |
| Platforms  | ● |   |
| Steps  | ● |   |
| Fenders (front / rear)                                 | ● |   |
| Hydraulic oil level sight gauge                        | ● |   |
| Lift and tie-down hooks                                | ● |   |
| Loader linkage, sealed                                 | ● |   |
| Z-bar design   | ● |   |
| Vandalism protection caplocks                          | ● |   |
| Tool kit   |   | ● |
| Tooth, 1 piece, bolt-on type                           |   | ● |
| Tooth, 2 pieces, bolt-on type                          |   | ● |
| Cutting edge, bolt-on type                             |   | ● |
| Quick coupler  |   | ● |
| Guards   |   |   |
| Crankcase  |   | ● |
| Transmission   |   | ● |
| Mud guards   |   | ● |
| Wheel chock  |   | ● |
| License plate & lamp (LED)                             |   | ● |
| Hi-Mate (Remote Management System)                     |   | ● |
| Rearview camera  |   | ● |

| SAFETY                           |  |   |
|----------------------------------|--|---|
| Beacon light, rotating (Halogen) |  | ● |
| LED beacon light                 |  | ● |
| Fire extinguisher                |  | ● |
| Operator suit                    |  | ● |
| Boom safety lock                 |  | ● |
| LED rear combi lamp              |  | ● |
| LED head light                   |  | ● |

\* 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.