

MOVING YOU FURTHER

# HL960<sub>HD</sub>

With Tier 4 final / Stage IV Engine installed



\* Photo may include optional equipment

**Net Power**

166 kW (222 hp) / 2,200 rpm

**Gross Power**

168 kW (225 hp) / 2,200 rpm

**Travel Speed**

40.0 km/h (24.9 mph)

**Operating Weight**

19,300 kg / 42,550 lb





# RULE THE GROUND

The HL960HD Series wheel loaders are products of HHI's spirit of initiative, creativity, and strong drive. HHI's engineering experts have worked tirelessly to offer a zero-defect product. The new HL960HD Series reflects customers' needs in the field gleaned by thorough monitoring. They maximize performance proven by rigorous field tests and quality control. The HL960HD Series exceeds customers' expectations! Become a true leader on the ground with HHI's HL960HD Series.



\* Photo may include optional equipment.



# RULE THE GROUND

The HL960HD series exceeds customers' expectation!  
Become a true leader on the ground with HHI's HL960HD series.

## HL960<sub>HD</sub>



### 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
- 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)
- Protection gaurd (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



\* Photo may include optional equipment.





**Accurate Onboard Weighing System**

All Hyundai HL960HD 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

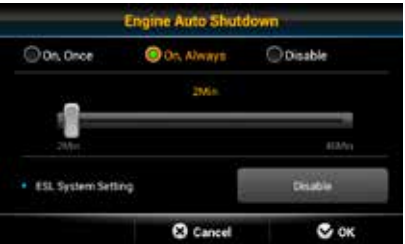
## Tier 4 Final Engine Technologies

Hyundai HL960HD 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.



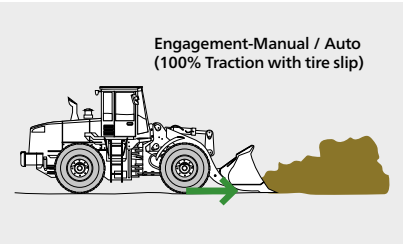
**ECO Gauge**

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.



**Automatic Shut-Down of Engine**

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.



**Hydraulic Lock Differential**

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



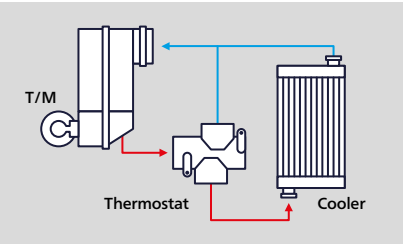
**ECO Pedal (Option)**

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.



**5 Speed Lock-up Clutch**

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



**Thermostat for Transmission Cooling (Option)**

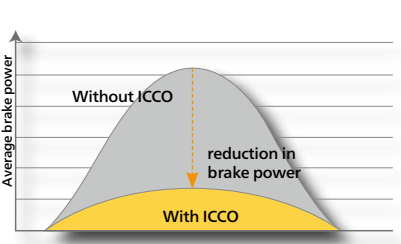
With thermostat for transmission cooling, temperature of fluid increases rapidly and remains at optimal temperature during winter season, thereby achieving quick warm, protection of functional parts, and the higher efficiency.



**Electro-Hydraulic Control**

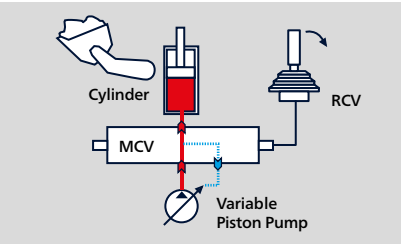
With improved precision and operability, the electro-hydraulic control system of the HL960HD Series provides diverse functions and easy handling to control any working conditions, increasing productivity and reducing fatigue of operators.

\* 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.



**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 HL960HD 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 have been enhanced by 1.5 times compared to the previous generation 9-series.



### Durable Structure for After-Treatment

HL960HD 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.



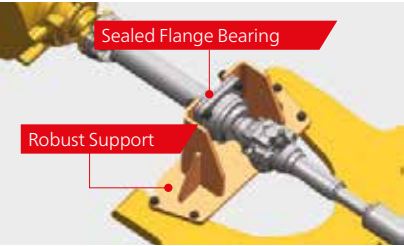
### Sintered Brake Disc

The HL960HD 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.



### Hydraulic Hose

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



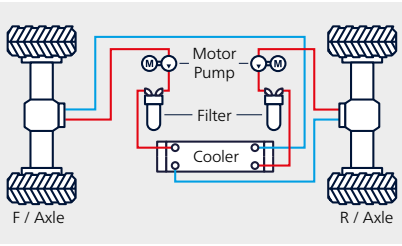
### Sealed Drive Line Center Bearing

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.



### Premium Quality Axles

An enhanced axle improves driving over variable ground conditions.



### 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.



### Protection Guard (Option)

HL960HD is equipped with variable protection guards.



# PROTECTING OPTIONS

## Protect your wheel loader, Maximize production.

In tough working environments, you need to protect wheel loader for sustainable operation. Hyundai's protecting options are designed to protect all major components from debris.



- Cabin guard (Front)
- Head lamp guard



- Axle seal guard
- Attachment hose guard



- Bucket cylinder guard
- Under guard



- Cabin guard (Rear)
- Rear Grill guard
- Rear combi-lamp guard





# MODERN COMFORT, SIMPLE AND SAFE SOLUTION

## New Cabin for More Comfort

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



### 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 (approximately 40 times than before), further range of lighting (66% of range enhancement), Energy consumption reduction (70% of reduction to halogen lighting).



### Fully Adjustable Seat Armrest, Seat

HL960HD 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 reduces fatigue.



### Full Sound-Proofed Spacious Cabin

The state-of-the-art noise reduction technology found on the HL960HD series models results in one of the quietest working environments in the industry. In-cab sound levels are as low as 71 dB.



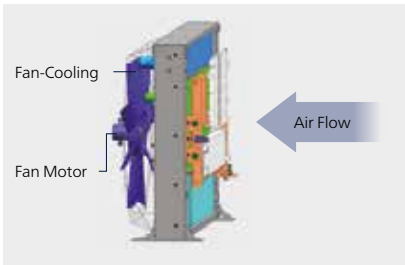
### Electro-Hydraulic Implement Control

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



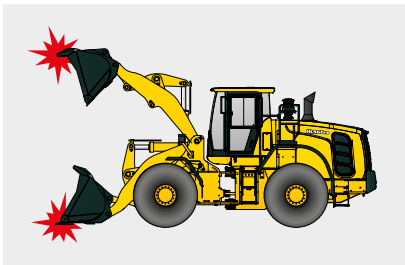
### New Air Conditioning System

Hyundai's wheel loaders have optimized air flow to maximize heating and cooling performance. The air conditioning system is located on the right side of the cab to allow for easier maintenance and filter replacement. 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 HL960HD has a durable wide fin cooler preventing performance degradation caused by alien substances. The HL960HD is equipped with the reversal fan to eliminate many kinds of debris.

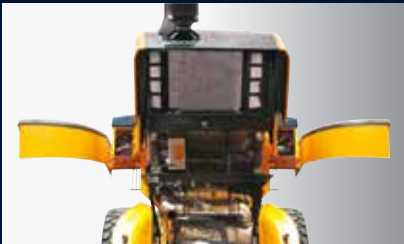


### Soft end Stop

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 productivity.

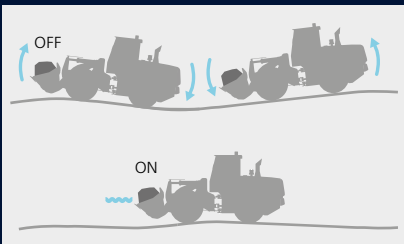


\* Photo may include optional equipment.



### Fully Sealed Engine Room & Fully Openable

The HL960HD 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.



### 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.





\*Photo may include optional equipment.



**Intelligent & Wide Touch Screen Monitor**  
 The seven-inch capacitive-type display (like a smart phone display) of the HL960HD 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 HL960HD Series are 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 HHI’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.

## HiMATE

### 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 are the Benefits?



**Increase Productivity**  
 It helps you operate machines 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 not 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.



SPECIFICATIONS

ENGINE		
Engine / Model	Cummins / QS86.7	
Maximum Gross Power (2,200 rpm)		
SAE J1995	168 kW	225 hp
Maximum Net Power (2,200 rpm)		
SAE J1349	166 kW	222 hp
Peak Gross Torque (1,500 rpm)		
SAE J1995	1044 N-m	770 lbf-ft
Maximum Net Torque (1,500 rpm)		
SAE J1349	1030 N-m	760 lbf-ft
Bore	107 mm	4.21 in
Stroke	124 mm	4.88 in
Displacement	6.7 ℓ	409 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
Forward	1st	6.3	3.9	6.6
	2nd	11.9	7.4	11.6
	3rd	24.0	14.9	17.9
	4th	38.9	24.2	27.9
	5th	-	-	40
Reverse	1st	6.6	4.1	7.0
	2nd	12.6	7.8	12.3
	3rd	25.3	15.7	29.4

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

AXLES	
Front	Fixed
Rear	Oscillating ±12 degrees

OVERVIEW			
Description	UNIT	HL960HD	HL960HD XT
Operating weight	kg	19,300	20,130
	lb	42,550	44,380
Bucket capacity	Heaped	m³	3.3
		yd³	4.3
	Struck	m³	2.9
		yd³	3.8
Breakout force-bucket	kg	16,670	16,430
	lb	36,750	36,220
Tipping load	Straight	kg	14,375
		lb	31,691
	Full turn	kg	12,435
		lb	27,414

TIRES	
Type	Tubeless, loader design tires
Standard	23.5 R25, L3
Options include	23.5 R25, XHA2
	23.5-25, 20PR, L3

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, hydraulic 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 (2,130 rpm)	246 ℓ/min	65.0 gal/min
Maximum Operating Pressure	28000 kPa	4,061 psi
Hydraulic Cycle Time with Rated Payload	Raise from Carry Position	
	5.9 Sec.	
	Dump, at Maximum Raise	
	1.3 Sec.	
Cylinder	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 765
		in 2-5.5 x 30.1
	HL960HD Tilt	mm 1-160 x 530
		in 1-6.3 x 20.9

STEERING SYSTEM	
Type	Load sensing hydrostatic articulated steering
Pump	Variable displacement piston pump, 120 ℓ/ min (31.7 gal / min)
System Pressure	25000 kPa
	3,626 psi
Cylinder	Double acting
	mm 2-75 x 424
Steering Angle	in 2-2.9 x 16.7
	40° to both right and left angle, respectively

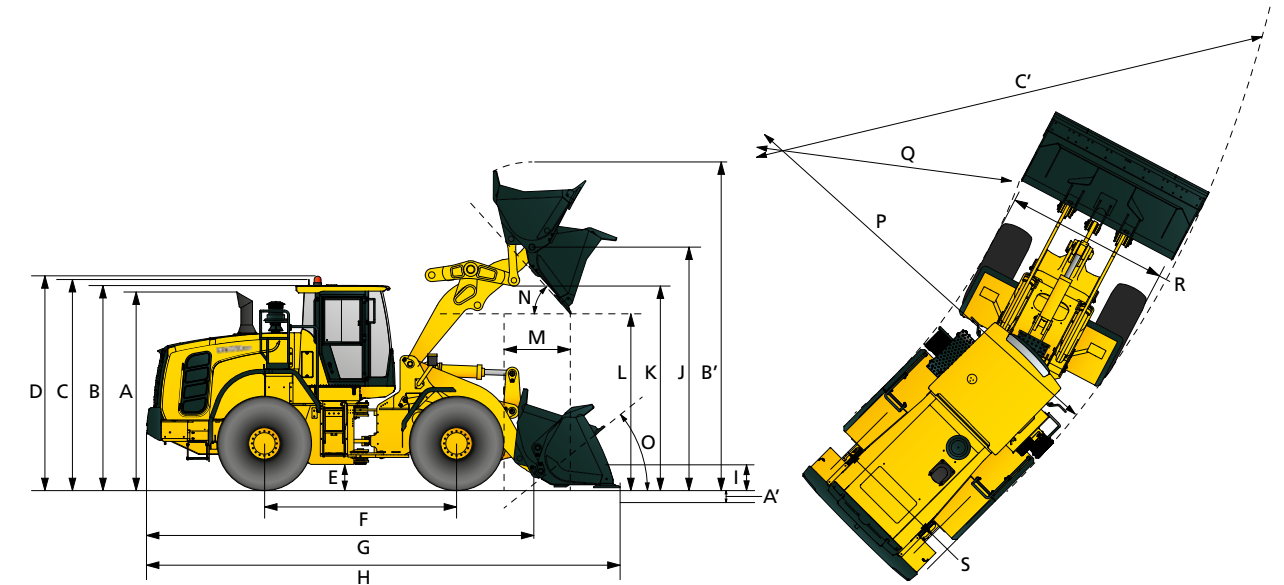
SERVICE REFILL CAPACITIES		
UNIT	ℓ	Us gal
Fuel tank	300.0	79.3
DEF tank	27.0	7.1
Cooling system	42.0	11.1
Crankcase	18.0	4.8
Transmission	33.0	8.7
Front axle	35.0	9.2
Rear axle	35.0	9.2
Hydraulic tank	110.0	29.1
Hydraulic system (including tank)	200.0	52.8

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

SPECIFICATIONS

DIMENSIONS
All dimensions are approximate.



Description	HL960HD		HL960HD XT	
	mm	in	mm	in
A. Height to Top of Exhaust Pipe	3,360	132.3	3,360	132.3
B. Height to Top of Cabin	3,450	135.8	3,450	135.8
C. Height to Top of Product Link Antenna	3,540	139.4	3,540	139.4
D. Height to Top of Warning Beacon	3,600	141.7	3,600	141.7
E. Ground Clearance	410	16.1	410	16.1
F. Wheelbase	3,300	130.0	3,300	130.0
G. Overall Length (without bucket)	6,870	267	7,425	289
H. Shipping Length (with bucket level on ground)	8,140	320.5	8,695	342.3
I. Hinge Pin Height at Carry Position	467	18	601	24
J. Hinge Pin Height at Maximum Lift	4,105	161.6	4,535	178.5
K. Lift Arm Clearance at Maximum Lift	3,455	136	3,881	153
L. Dump Clearance at Maximum Lift and 45° Discharge	2,935	115.6	3,365	132.5
M. Reach at Maximum Lift and 45° Discharge	1,285	50.6	1,380	54.3
N. Dump Angle at Maximum Lift and Dump (on stops)	50	1.9	50	1.9
O. Roll Back Angle	Ground	42	42	1.7
	Carry	47	47	1.9
P. Clearance Circle (diameter) to Outside of Tires	12,050	474.4	12,050	474.4
Q. Clearance Circle (diameter) to Inside of Tires	6,510	256.3	6,510	256.3
R. Width over Tires (unloaded)	2,770	109.1	2,770	109.1
S. Tread Width	2,160	85.0	2,160	85.0

· A', B', C' are indicated on the next page



SPECIFICATIONS

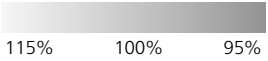
OPERATING SPECIFICATIONS WITH BUCKETS							
Linkage		Standard Linkage					High Lift Linkage Change
Bucket Type		General Purpose - Pin On				General Purpose – Hook on Bolt-On Cutting Edges	
Edge Type		Bolt-On Cutting Edges	1 Piece Tooth	2 Piece Tooth	2 Piece Tooth & Segment	General Purpose – Hook on Bolt-On Cutting Edges	
Capacity - Rated	m³	3.30	3.20	3.20	3.20	3.30	-
	yd³	4.30	4.19	4.19	4.32	4.32	-
Capacity - Rated at 110% Fill Factor	m³	3.63	3.52	3.52	3.52	3.63	-
	yd³	4.73	4.60	4.60	4.60	4.75	-
Width	mm	2,900	2,950	2,970	2,970	2,900	-
	ft / in	9' 6.2"	9' 8"	9' 9"	9' 9"	9' 6"	-
Dump Clearance at Maximum Lift and 45° Discharge	mm	2,935	2,810	2,775	2,775	2,770	+430
	ft / in	9' 7.5"	9' 3"	9' 1"	9' 1"	9' 1"	+1' 4"
Reach at Maximum Lift and 45° Discharge	mm	1,285	1,370	1,390	1,390	1,445	+95
	ft / in	4' 2.6"	4' 6"	4' 7"	4' 7"	4' 9"	+0' 3"
A' Digging Depth	mm	90	115	125	125	90	+55
	ft / in	0' 3.5"	0' 4"	0' 5"	0' 5"	0' 3"	+0' 2"
Shipping Length (with Bucket)	mm	8,140	8,290	8,330	8,330	8,370	+555
	ft / in	26' 8.5"	27' 2"	27' 4"	27' 4"	27' 5"	+1' 9"
B' Overall Height with Bucket at Maximum Lift	mm	5,640	5,640	5,640	5,640	5,800	+430
	ft / in	18' 6"	18' 6"	18' 6"	18' 6"	19' 0"	+1' 4"
C' Loader Clearance Circle with Bucket at Carry Position	mm	13,415	13,570	13,620	13,620	13,555	+445
	ft / in	44' 0"	44' 6"	44' 8"	44' 8"	44' 6"	+1' 5"
Static Tipping Load, Straight (No Tire Deflection)	kg	14,375	14,585	14,585	14,325	13,240	-1390
	lb	31,691	32,155	32,155	31,580	29,190	-3064
Static Tipping Load, Articulated (No Tire Deflection)	kg	12,435	12,615	12,615	12,385	11,450	-1290
	lb	27,414	27,810	27,810	27,305	25,240	-2844
Breakout Force	kg	16,670	17,705	17,705	16,670	14,090	-240
	lb	36,750	39,030	39,030	36,750	31,065	-529
Operating Weight*	kg	19,300	19,225	19,225	19,350	19,680	+830
	lb	42,550	42,385	42,385	42,660	43,385	1830

\* 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 (0.75 in) and larger	1.8

HL960HD BUCKET SELECTION CHART															
Standard lift arm, General Purpose															
Type	m³ (yd³)	Material Density [t/m³]													
		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	3.3 (4.32)	3.8 m³ (4.97 yd³)										3.1 m³ (4.5 yd³)			
1-Bolt on tooth	3.2 (4.19)	3.7 m³ (3.84 yd³)										3.0 m³ (3.92 yd³)			
2-Bolt on tooth	3.2 (4.19)	3.7 m³ (4.84 yd³)										3.0 m³ (3.92 yd³)			
2-Bolt on tooth & SEG	3.3 (4.32)	3.8 m³ (4.97 yd³)										3.1 m³ (4.5 yd³)			
Cutting edge Q/C	3.3 (4.32)	3.8 m³ (4.97 yd³)										3.1 m³ (4.5 yd³)			
High lift arm, General Purpose															
Type	m³ (yd³)	Material Density [t/m³]													
		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	3.3 (4.32)	3.8 m³ (4.97 yd³)										3.1 m³ (4.5 yd³)			
1-Bolt on tooth	3.2 (4.19)	3.7 m³ (3.84 yd³)										3.0 m³ (3.92 yd³)			
2-Bolt on tooth	3.2 (4.19)	3.7 m³ (4.84 yd³)										3.0 m³ (3.92 yd³)			
2-Bolt on tooth & SEG	3.3 (4.32)	3.8 m³ (4.97 yd³)										3.1 m³ (4.5 yd³)			
Cutting edge Q/C	3.3 (4.32)	3.8 m³ (4.97 yd³)										3.1 m³ (4.5 yd³)			





CABIN & INTERIOR	STD	OPT
Alternator, 95 A	●	
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, PT		
1315 CCA, 12 V, 2 pieces	●	
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		●
Auto position	●	
Fine modulation		●

CABIN & INTERIOR	STD	OPT
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	●	
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 without ECO switch	●	
Accel pedal with ECO switch		●
Radio/USB player	●	
Rubber floor mat	●	
Wrist rest	●	
24-volt to 12-volt DC converter (20A)		●
ENGINE		
Antifreeze	●	
Engine, CUMMINS, QSB6.7		
Tier 4 Final / Stage IV	●	
Engine enclosure, lockable	●	
Fan guard	●	
Fuel/water separator (return)	●	
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		●
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	STD	OPT
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-single axle (EH control)		●
Ride control system	●	
Secondary steering system	●	
Extra piping-for auxiliary function		●
Quick coupler piping		●
Auto grease system		●
OTHER		
Articulation locking bar	●	
Counterweight	●	
Optional counter weight		●
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		
MCV (machine control valve)	●	
Crankcase	●	
Transmission	●	
Bucket cylinder		●
Cabin glass (front / rear)		●
Head lamp		●
Axle seal (front / rear)		●
Rear combi lamp		●
Work lights (rear)		●
Radiator		●
Attachment hydraulic hose		●
License plate & lamp (LED)		●
Rear view camera		●
Hi MATE (Remote Management System)	●	
SAFETY		
Beacon light, rotating (Halogen)		●
LED beacon light		●
Fire extinguisher		●
Operator suit		●
Boom safety lock		●
LED rear combi lamp		●
LED head light		●

STD = Standard  
OPT = Optional

- \* 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.
- \* The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant HFC-134a (Global Warming Potential = 1430). The system contains 0.75 kg of refrigerant which has a CO<sub>2</sub> equivalent of 1.0725 metric tonne.



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