

HL757-9

With Tier 3 Engine installed





PRIDE AT WORK

HD Hyundai Construction Equipment strives to build state-of-the-art earthmoving equipment to give every operator maximum performance, more precision, versatile machine preferences, and proven quality.

Take pride in your work with Hyundai!



*Photo may include optional equipment.



Machine Walk-Around HL757-9

Reliable Main Components

Engine Technology

Proven, reliable, fuel efficient, low noise HYUNDAI HE6.7 engine.
Electronically controlled for optimum fuel to air ratio and clean, efficient combustion.
HPCR(High Pressure Common Rail) fuel system / Self-diagnostic system.
3 engine modes, P (Power), S (Standard), E (Economy) for full power or reduced fuel consumption according to operator preference.

Fully Automatic Transmission

4 step(Manual / Light / Normal / Heavy) shift mode by working condition.
Protective transmission at low temperature(Automatic warm-up system).
Self-diagnostic & Memory of malfunction history. Minimum travel shift shock by applying proportional controlling modulation valve / Self adjusting clutch gap.
Kick-down button & FNR switch for operating comfort.

Axles

Limited slip differentials (front & rear) for easy driving on variable ground condition.
Self adjusting & wheel speed wet disc brake.

Improved Durability

Load sensing hydraulic system with variable displacement piston pump and closed-center MCV (main control valve). Long-life cooling system, designed for additional durability, resistant to thermal shock, impulse and vibration.
Redesigned steering cylinder lug and bucket link, now cast steel for additional strength and reliability.

Enhanced Operator Comfort

Improved Visibility

Larger operator's cab for additional comfort.
Redesigned cab with rounded front glass and larger door glass for a wider view.

Improved Convenience

Increased cooling & heating capacity with fully automatic climate control system.
Tilting & telescopic steering column.
Adjustable wrist rest for reducing operating stress.
Multiple storage compartments.
AM/FM Radio with MP3 interface and USB input.
Improved ladder with 20 Degree incline and large, deep tread, aluminum cast steps for safer access and exit from the cab.

Advanced 5.7" Color Monitor

Easy-to-read new color LCD display.
Auto boom kick out and bucket positioner - fully adjustable from within the cab.
Integrated load weighing system, viewable through the monitor, for improved work efficiency and overload prevention.
Self diagnostic & monitoring system with active display of engine, hydraulic system, transmission and electrical component information.
Rear-view camera with color for improving safety and convenience.

Serviceability

Reversible remote cooling fan for the minimum fuel consumption and low noise.
Service points and gauges visible at ground level for easy maintenance.
Extended life of hydraulic filter & oil to reduce operating costs.



OPERATOR COMFORT

Operating a 9 series wheel loader is unique to every operator. Operators can fully customize their work environment and operating preferences to fit their individual needs.



*Photo may include optional equipment.



Wide and Convenient Cab

The newly designed cabin was conceived for more space, a wider field of view and operator comfort. The front glass is rounded and 17% wider than the previous 7A series. Special attention was given to a clean, open and convenient interior with plenty of visibility on the machine surroundings and the job at hand.

This well balanced combination of cab ergonomics puts the operator in the perfect position to work safely and securely. The 9 series cab's fully automatic climate control system features 11 air vents and increased cooling and heating capacity for optimum temperature control. The defroster vents located on the front and rear windows and a PTC (electric pre-heater) make working in cold weather more hospitable.

Operator Comfort

In the 9 series cabin you can easily adjust the steering column and wrist rest to best suit your preferred comfort level. Pilot-operated joystick controls are easy and comfortable to operate. An FNR (Forward/Neutral/Reverse) switch on the control lever facilitates easy selection of travel direction. Roller type sunshades on the front window and rear window allow the operator to reduce glare and improve visibility. Heated side mirrors feature built-in hot wires for quick defrosting during cold weather.



Tilting / telescopic steering column



Wrist rest



FNR switch



Front sunshade



Heated side mirrors



AM/FM Radio with MP3/AC control

Reduced Stress

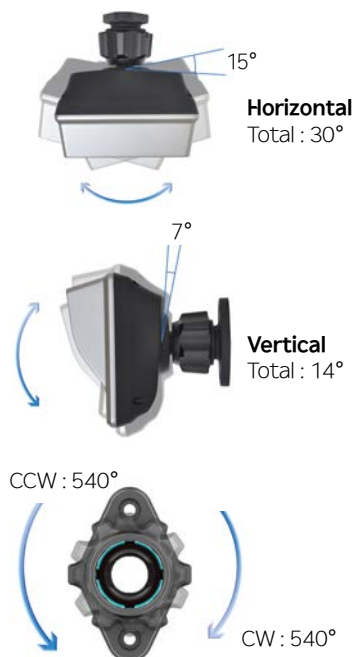
Work is stressful enough. Your work environment should be stress free. Hyundai's 9 series cabin offers lots of amenities, additional space and a comfortable seat to minimize stress to the operator. A powerful climate control system provides the operator with optimum air temperature. An advanced audio system with AM/FM stereo with MP3 interface and USB input, plus remotely located controls is perfect for listening to favorite music.

Advanced Color Monitor



The advanced new monitor with 5.7 inch wide color LCD screen allows the operator to easily and efficiently control the machine. The operator can adjust boom kick-out and bucket position via switches overhead while monitoring the adjustment settings through the monitor. An integrated load weighing system that contributes to improved work efficiency, can also be viewed through the monitor. Self diagnostics, color rear-view camera maintenance check lists and start-up machine security, were integrated into the monitor to make the machine more versatile and the operator more productive. The new monitor display unit is mounted on an adjustable swivel mount to reduce glare and position according to operator preference.

Monitor Tilt Range





PRECISION & PERFORMANCE

Innovative hydraulic system technologies make the 9 series wheel loader fast, smooth and easy to control. 9 series wheel loaders are designed for maximum performance to keep the operator working productively.



*Photo may include optional equipment.

Improved Durability & Reliability



An enhanced axle improves driving over variable ground conditions. Self adjusting brakes that automatically regulate disc clearance, reduce service time and improve brake reliability and performance. The new load sensing hydraulic system with a variable volume piston pump and closed center main control valve, provide efficient hydraulic power and additional energy savings. Service and clean-out are easier on the 9 series, now equipped with a completely redesigned, parallel-mounted, cooler configuration and non louvered fins to prevent clogging. All coolers are designed with aluminum bar plate configuration and undergo strict factory tests for thermal shock, impulse and vibration to assure long term durability. Top mounted non-louvered aluminum air condenser and variable displacement A/C compressor are designed for maximum cooling capacity, energy savings and easy cleanout. Additionally, the redesigned steering cylinder lug and bucket link, are now cast steel for additional strength and reliability.

Variable Operating Modes



9 series wheel loaders are designed to allow the operator to customize the machine's engine power, automatic transmission shift timing and clutch cut-off activation based on the job condition and personal operator preference. Convenient rotary type switches allow for easy adjustment of engine power mode, transmission power shift mode, and clutch cut-off mode. Additionally, if equipped with the optional ride control system, the operator has the option to turn the system on or off with an overhead switch. The ride control system has a shock absorbing accumulator that cushions the boom, improves operator comfort and reduces material loss. The versatility of the 9 series operating modes contributes to improved productivity, enhanced operator comfort and reduced fuel consumption.



3 Mode Engine Power Selection

P(Power) Mode : Heavy duty work
S(Standard) Mode : General work
E(Economy) Mode : Light duty work

4 Mode Transmission Power Shift System

M(Manual) Mode
Auto L(Light) Mode : Light duty & long distance carry
Auto N(Normal) Mode : General excavating & loading
Auto H(Heavy) Mode : Heavy duty excavating & loading

3 Mode Clutch Cut-Off System

L(Low) Mode : Short distance & faster loading
M(Medium) Mode : General loading
H(High) Mode : Slope ground



Eco-friendly HYUNDAI HE 6.7 ENGINE

HYUNDAI HE6.7 engine combines advanced electronic controls and a self-diagnostic system with reliable performance. The combination of a high pressure common rail system and an advanced in-cylinder combustion technology results in increased power, improved transient response and reduced fuel consumption. **HYUNDAI HE6.7** engine complies with current emissions standards including EPA Tier3 and EU Stage III-A.



Fully Automatic Transmission

Fully automatic transmission designed for maximum durability, minimum power loss, improved travel speed and low noise. Improved clutch control and minimized shifting shock when traveling, contribute to a smoother ride. Error messages and transmission fault history are recorded and accessible through the monitor.



PROFITABILITY

The 9 series is designed to maximize profitability through improved efficiencies, enhanced service features and longer life components.



*Photo may include optional equipment.



Hi MATE (Remote Management System)

Hi-MATE, Hyundai's proprietary remote management system, provides operators and dealer service personnel access to vital service and diagnostic information on the machine from any computer with internet access. Users can pinpoint machine location using digital mapping and set machine work boundaries, reducing the need for multiple service calls. Hi-MATE saves time and money for the owner and dealer by promoting preventative maintenance and reducing machine downtime.



Remote-mounted Cooling Fan

The remote mounted, hydraulically powered cooling fan regulates fan speed according to working temperatures for coolant, intake air, transmission oil and hydraulic oil. This new fan design contributes to reduced fuel consumption and machine noise. The fan is designed to auto reverse periodically or manually reverse to keep debris from accumulating on the coolers.



Easy Access

The engine fan is integrated into the rear door which swings open to over 45 degrees for easy access and regular maintenance. Conveniently located coolant and transmission oil site gauges make checking fluid levels fast and efficient. Ground-line access to fuel and oil filters grease fittings, fuses, machine computer components and wide open compartments makes service more convenient on the 9 series.



Full Fenders and Mud Guards Option

9 series wheel loaders can be equipped with optional full rear fenders and front and rear mud flaps to reduce material splatter to the cab and machine frame.



Hydraulic filter
(1,000 hr)



Hydraulic Oil
(5,000 hr)

Extended Life Components

The 9 series is designed for longer lubrication intervals and extended component life. Long life hydraulic filters now have 1,000 hours service intervals and Hyundai certified hydraulic oil can last up to 5,000 hours before changing. Also, a new center pivot roller bearing design, now double tapered, requires less maintenance as well. Long life and extended wear components save the operator time and money.

SPECIFICATIONS

ENGINE

Maker/Model	HYUNDAI HE6.7
Type	Watercooled, 4-cycle, turbocharged, Charge aircooled direct injection, Electronic controlled diesel engine
Gross power	173 HP (129 kW) / 2,100rpm
Net power	170 HP (127 kW) / 2,100rpm
Max. power	187 HP (139 kW) / 1,800rpm
Maximum torque	83 kg.m (600 lb.ft) / 1,500rpm
No. of cylinders	6

※ No derating for continuous operating required up to 3,048m (10,000ft). This engine meets the EPA(Tier III) / EU(Stage III-A) Emission regulation.

Bore x Stroke	107 mm (4.21") x 124 mm (4.88")
Displacement	6.7 ℓ (409 cu in)
Compression ratio	17.2 : 1
Air cleaner	Dry, Two stages dual elements
Alternator	24V, 70 Amp
Battery	2 x 12V, 130 Ah.
Starting motor	24V, 4.8kW

TRANSMISSION

Torque converter type	3-elements, single-stage single-phase
Tire	20.5R25, L3**

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

Travel speed	km/h (mph)	
Forward	1st	6.9(4.3)
	2nd	11.4(7.1)
	3rd	23.0(14.3)
	4th	37.7(23.4)
Reverse	1st	7.3(4.5)
	2nd	12.1(7.5)
	3rd	24.2(15.0)

AXLES

Drive system	Four-wheel drive system
Mount	Rigid front axle and oscillating rear axle
Rear axle oscillation	± 13° (total 22°)

Hub reduction	Planetary reduction at wheel end
Differential	Conventional
Reduction ratio	23.680

HYDRAULIC SYSTEM

Type	Load-sensing hydraulic system
Pump	Variable axial piston type, 194 liters/min (51.2 gal/min)
Control valve	2spool (Bucket, Boom) 3spool (Bucket, Boom, Aux) Pilot pressure controlled type System pressure : 280 kgf/cm ² (3.982PSI)

Bucket Controls	Type	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 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.	
Cylinders		Type : Double acting No. of cylinders-bore x stroke; 2-ø120 mm x 785 mm(4.7" x 30.9") ø140 mm x 485 mm(5.5" x 19.0") 2-ø110 mm x 755 mm(4.3" x 29.7")	
Cycle time		HL757-9 / HL757XT-9	HL757TM-9
Raise(with load)		5.9 sec	5.9 sec
Dump		1.1 sec	1.6 sec
Lower(empty)		3.8 sec	3.8 sec
Total		10.8 sec	11.3 sec

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.

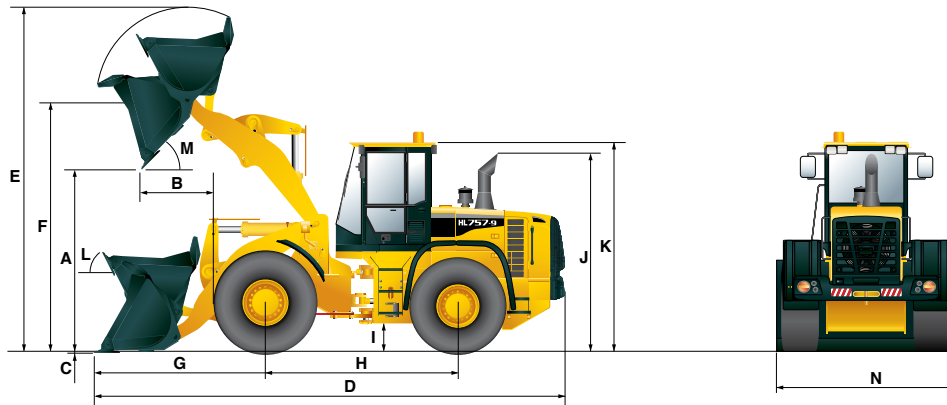
SERVICE REFILL CAPACITIES

Fuel tank	294 liters (77.6 USgal)
Cooling system	35 liters (9.2 USgal)
Crankcase	18 liters (4.8 USgal)
Transmission	28 liters (7.4 USgal)

OVERVIEW

Description	unit	HL757-9	HL757XT-9	HL757TM-9
Operating weight	kg (lb)	14,500 (32,000)	15,000 (33,000)	15,000 (33,070)
Bucket capacity	Heaped	m ³ (yd ³) 2.8 (3.7)	2.8 (3.7)	2.7 (3.5)
	Struck	m ³ (yd ³) 2.4 (3.1)	2.4 (3.1)	2.3 (3.0)
Breakout force-bucket	kg (lb)	12,530 (27,620)	12,420 (27,380)	12,800 (28,220)
Tipping load	Straight	kg (lb) 11,300 (24,910)	9,880 (21,780)	9,750 (20,840)
	Full turn	kg (lb) 9,700 (21,380)	8,520 (18,780)	8,360 (17,970)

DIMENSIONS



Description	Unit	HL757-9	HL757XT-9	HL757TM-9
Bucket Type	General purpose bolt-on cutting edge			
A. Dumping clearance at max. height and 45° dump angle	mm (ft-in)	2,840 (9' 4")	3,230 (10' 7")	2,840 (9' 4")
B. Reach	Full lift	mm (ft-in) 1,070 (3' 6")	1,100 (3' 7")	1,315 (4' 4")
	7ft height	mm (ft-in) 1,610 (5' 3")	1,970 (6' 6")	1,815 (5' 11")
C. Digging depth	mm (in)	85 (3.3")	92 (3.6")	100 (3.9")
D. Overall length	7ft height	mm (ft-in) 7,580 (24' 10")	7,990 (26' 3")	7,780 (25' 6")
	Full turn	mm (ft-in) 7,480 (24' 6")	7,920 (26')	7,570 (24' 10")
E. Overall height (fully raised)	mm (ft-in)	5,250 (17' 3")	5,650 (18' 6")	5,410 (17' 9")
F. Bucket pivot max. height	mm (ft-in)	3,920 (12' 10")	4,310 (14' 2")	4,010 (13' 2")
G. Front overhang	mm (ft-in)	2,560 (8' 5")	2,970 (9' 9")	2,760 (9' 1")

STEERING SYSTEM

Type	Load-sensing hydrostatic articulated steering	
Pump	Piston pump, 110 ℓ /min (29.1 gal/min)@governed rpm	
Relief Valve Setting	250 kg/cm ² (3,555 psi)	
Cylinder	Type	Double acting
	Bore x Stroke	65mm x (2.6") x 436mm(17.2")
Steering Angle	40°(each direction)	

Features

- Center-point frame articulation. - Tilt and telescopic steering column.

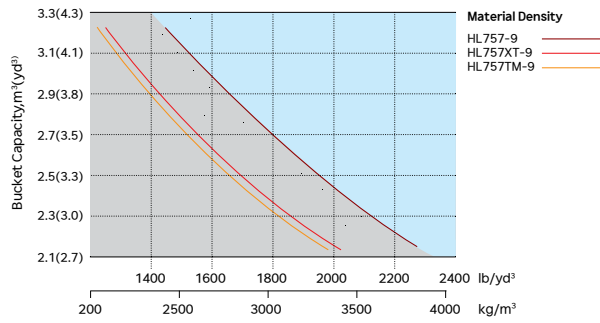
Front axle	29 liters (7.7 USgal)
Rear axle	24 liters (6.3 USgal)
Hydraulic tank	155 liters (40.9 USgal)
Hydraulic system (including tank)	215 liters (56.8 USgal)

TIRES

Type	Tubeless, loader design tires	
Standard	TRIANGLE	20.5 R25, L3**
Options include	HUNG-A	20.5-25, 16PR, L3
	MICHELIN	20.5 R25 XHA*
	BRIDGESTONE	20.5-25, 16 PR, L5

Description	unit	HL757-9	HL757XT-9	HL757TM-9
H. Wheelbase	mm (ft-in)	3,050 (10')	3,050 (10')	3,050 (10')
I. Ground clearance	mm (ft-in)	410 (1' 4")	410 (1' 4")	410 (1' 4")
J. Height over exhaust	mm (ft-in)	2,875 (9' 5")	2,875 (9' 5")	2,875 (9' 5")
K. Height over cab	mm (ft-in)	3,310 (10' 10")	3,310 (10' 10")	3,310 (10' 10")
L. Roll-back angle	on ground	deg 43	43	50
	at carry	deg 48	50	54
M. Dump angle	deg	47	47	50
Clearance circle	mm (ft-in)	12,170 (39' 11")	12,540 (41' 2")	12,250 (40' 2")
N. Overall width (with / without bucket)	mm (ft-in)	2,740(9') / 2,580(8' 6")	2,740(9') / 2,580(8' 6")	2,740(9') / 2,580(8' 6")

BUCKET SELECTION GUIDE



STANDARD EQUIPMENT

Electrical system

- Alternator, 70A
- Alarms, Audible and visual
 - Air filter clogging
 - Transmission error
 - Alternator voltage
 - Brake oil pressure
 - Engine oil pressure
 - Parking brake
 - Fuel level
 - Hydraulic oil temperature
 - Coolant temperature
 - Service brake oil pressure
- Alarm, back-up
- Batteries, 1000 CCA, 12V, (2)
- Gauges
 - Engine coolant temperature
 - Fuel level
 - Hydraulic oil temperature
 - Speedometer
 - Transmission oil temperature
 - Voltmeter
- Horn, Electric
- Indicator lights
 - Clutch cut-off
 - High beam
 - Turn signal
- 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 lights
 - Stop and tail lights
 - Turn signals
 - Brake lights (counterweight)
 - Head lights on front tower
 - Working lights on front roof
 - Working lights on grill
- Switches
 - Clutch cut-off
 - Hazard
 - Ignition key, start/stop switch
 - Main light (illumination and head light)
 - Parking
 - Rear wiper & washer
 - Work light
 - Battery master switch
 - Pilot cut-off
- Starting and charging system (24 -Volt)

Cab

- Cab, ROPS (ISO3471)/FOPS (ISO3449) (sound suppressed and pressurized) with :
 - Cigar lighter
 - Coat hook
- Automatic climate control
 - Air conditioner & heater
 - Defroster
 - Intermittent wiper and washer, front and rear
 - Personal storage space: holder, can and cup
 - Rear view mirrors (1 inside)
 - Rear view mirrors (2 outside)
 - 2" retractable seat belt with mechanical suspension

- Tilt / telescopic steering column
- Steering wheel with knob
- Roller type sunshade (front window)
- Tinted safety glass
- Magazine pocket
- Pedals
 - One accelerator pedal
 - One brake pedal
- Rubber floor mat
- Wrist rest
- Radio/USB player

Engine

- Antifreeze
- HYUNDAI HE6.7
 - Low Emission Diesel, Tier-III
 - 3 operating mode (Power/Standard/Economic)
- Engine fuel priming pump
- Fan guard
- Rain cap, Engine air intake
- Radiator (Deaeration type)
- Starting aid (Air intake heater)

Power train

- Brakes : Service, enclosed wet-disc
- Parking brake
- Torque converter
- Transmission F4 / R3, Computer controlled, Electronic soft shift, Auto-shift and kick-down features included
- Transmission oil cooler

Hydraulics

- Boom kickout, Automatic
- Bucket positioner, Automatic
- Diagnostic pressure taps
- Hydraulic system
 - 2 Spool hydraulic control, joystick
- Steering, load-sensing
- Remote cooling fan, Hydraulically-driven

Others

- Articulation locking bar
- Coolant level sight gauge
- Counterweight
- Door and cab locks, one key
- Drawbar with pin
- Engine oil level dipstick gauge
- Ergonomically located and slip resistant, Left & right
 - Handrails
 - Ladders
 - Platforms
 - Steps
- Fenders (front/rear)
- Hydraulic oil level sight gauge
- License plate bracket
- Lift and tie-down hooks
- Tires (20.5R25 L3**)
- Transmission oil sight level
- Vandalism protection caplocks
- 2.8m³ Bolt-On Cutting Edges type
- Limited Slip Differential (Front,Rear)

OPTIONAL EQUIPMENT

- 24V to 12VDC converter
- Beacon light, rotating
- 4 Working lights on front roof
- 2 Working lights on rear roof
- Secondary steering system
- Fire extinguisher
- High lift arrangement with additional counterweight, 840 kg (1,850 lb)
- 2Spool Hydraulic control, Joystick FNR
- 2Spool Hydraulic control, Fingertip
- 3rd spool for auxiliary function,

- Joystick FNR
- Mud guard
- Ride control system
- Heated rear view mirrors (2 outside) Seat
 - 3" static seat belt with air suspension (heated)
 - 2" retractable seat belt & mechanical suspension (heated)
- Tires :
 - 20.5-25, 16PR, L3
 - 20.5 R25 XHA*
 - 20.5 - 25, 16PR, L5

- Tool kit
- 2.6m' 1-Bolt-On Tooth
- 3.0m' Bolt-On Cutting Edges type
- 2.8m' 1-Bolt-On Tooth Type
- Guards
 - Engine, Transmission
- Wheel chock
- HI-MATE (Remote Management System)
- Rear view camera
- Dual-brake pedal
- Roller type sunshade (Rear window)

- License plate & Lamp
- Pre-cleaner engine air intake
- Joystic steering
- Fuel/Water separator
- Fuel warmer
- Steering stops, Cushioned

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards. All imperial measurements rounded off to the nearest pound or inch.



Head Office

11F, GLOBAL R&D CENTER, 477 BUNDANG SUSEO-RO, BUNDANG-GU, SEONGNAM-SI, GYEONGGI-DO, 13553, KOREA

PLEASE CONTACT