

HL757-9A

With Tier 4 Interim Engine installed

MOVING YOU FURTHER

HYUNDAI HEAVY INDUSTRIES



 **HYUNDAI**

Specifications

ENGINE

Maker/Model	CUMMINS QSB6.7	Bore x Stroke	107 mm x 124 mm
Type	Watercooled, 4-cycle, turbocharged, charge aircooled direct injection, electronic controlled diesel engine	Displacement	6.7 liters
Gross power	149 kW / 2,200 rpm	Compression ratio	17.3 : 1
Net power	147 kW / 2,200 rpm	Air cleaner	Dry, Two stages dual elements
Maximum torque	95 kg-m / 1,400 rpm	Alternator	24 V; 70 A
No. of cylinders	6	Battery	2 x 12 V, 130 Ah.
		Starting motor	24 V; 7.8 kW

× No derating for continuous operating required up to 2,286m (7,500ft). This engine meets the EPA (Tier III) / EU (Stage III-A) Emission regulation.

TRANSMISSION

Torque converter type	3-elements, single-stage single-phase	Travel speed	4 speed T/M
		Forward	1st 6.9 km/h
			2nd 11.4 km/h
			3rd 23.0 km/h
			4th 38.5 km/h
		Reverse	1st 7.3 km/h
			2nd 12.0 km/h
			3rd 24.3 km/h

× 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.

AXLES

Drive system	Four-wheel drive system	Hub reduction	Planetary reduction at wheel end
Mount	Rigid front axle and oscillating rear axle	Differential	Conventional
Rear axle oscillation	+/- 13° (total 26°)	Reduction ratio	1 : 23.680

HYDRAULIC SYSTEM

Type	Load-sensing hydraulic system	Bucket Controls	Type	Pilot operated lift and tilt circuit, single-lever joystick control standard.
Pump	Variable axial piston pump, 185 liters/min (48.9 gal/min) @ governed rpm		Lift Circuit	The valve has four functions ; raise, hold, lower and float. Can adjust automatic kickout from horizontal to full lift.
Control valve	2 spool (Bucket, Boom) 3 spool (Bucket, Boom, Aux) Pilot pressure controlled type		Tilt Circuit	The valve has three functions ; tilt back, hold and dump. Can adjust automatic bucket positioner to desired load angle.
System pressure	280 kgf/cm ² (3.982 psi)	Cylinders	Type : Double acting No. of cylinders-bore x stroke; Lift 2-120 mm x 785 mm Tilt 1-140 mm x 485 mm Tilt 2-110 mm x 755 mm	
		Cycle Time	HL757-9A / HL757XTD-9A	HL757TM-9A
		Raise	5.9 sec	5.9 sec
		Dump	1.1 sec	1.8 sec
		Lower	3.8 sec	3.7 sec
		Total	10.8 sec	11.4 sec

Specifications

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
Emergency Brake	When brake oil pressure drops, indicator light alerts operator and parking brake automatically applies.

STEERING SYSTEM

Type	Load-sensing hydrostatic articulated steering
Pump	Piston pump, 105 liters/min
Relief Valve Setting	250 kg/cm ²
Cylinder	Type: Double acting Bore x Stroke: 65 mm x 436 mm
Steering Angle	40°

SERVICE REFILL CAPACITIES

Fuel tank	294 liters
Cooling system	46 liters
Crankcase	18 liters
Transmission	28 liters

Front axle	32 liters
Rear axle	24 liters
Hydraulic tank	137 liters
Hydraulic system (including tank)	202 liters

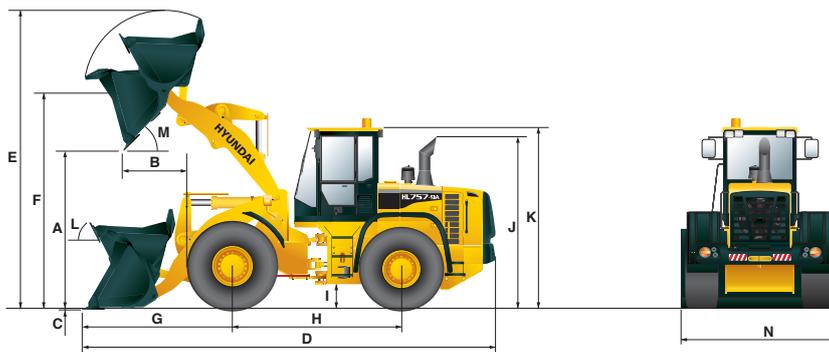
OVERVIEW

Description	UNIT	HL757-9A	HL757XTD-9A	HL757TM-9A	
Operating weight	kg	14,700	15,200	15,200	
Bucket Capacity	Heaped	m ³	2.8	2.8	2.7
	Struck	m ³	2.4	2.4	2.3
Breakout force-bucket	kg	12,530	12,420	12,800	
Tipping load	Straight	kg	11,540	10,270	10,010
	Full turn	kg	10,060	8,950	8,580

TIRES

Type	Tubeless, loader design tires
Standard	20.5-25, 16 PR, L3
Options include	17.5-25, 12 PR, L3 20.5-25, 16 PR, L2 20.5 R25 XHA★ 20.5-25, 16 PR, L5 28L-26, 20 PR, LS2

DIMENSIONS

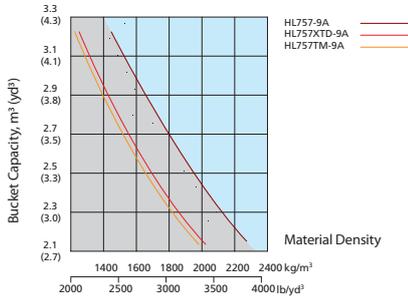


Description	UNIT	HL757-9A	HL757XTD-9A	HL757TM-9A	
Bucket Type	General purpose bolt-on cutting edge				
A. Dumping clearance at max. height and 45° dump angle.	mm	2,840	3,230	2,840	
B. Reach	full lift	mm	1,070	1,100	1,315
	7ft height	mm	1,610	1,970	1,815
C. Digging depth	mm	85	92	100	
D. Overall length	bucket on ground	mm	7,580	7,990	7,780
	carry position	mm	7,480	7,920	7,570
E. Overall height (fully raised)	mm	5,250	5,650	5,410	
F. Bucket pin at max. height	mm	3,920	4,310	4,010	

Description	UNIT	HL757-9A	HL757XTD-9A	HL757TM-9A	
G. Front overhang	mm	2,560	2,970	2,760	
H. Wheelbase	mm	3,050	3,050	3,050	
I. Ground clearance	mm	410	410	410	
J. Height over exhaust	mm	2,875	2,875	2,875	
K. Height over cabin	mm	3,310	3,310	3,310	
L. Max Bucket roll back angle	ground	deg	43	43	50
	carry	deg	48	50	54
M. Max. Bucket dump angle	deg	47	47	50	
Clearance circle	mm	12,170	12,540	12,250	
N. Overall width	with bucket	mm	2,740	2,740	2,740
	without bucket	mm	2,580	2,580	2,580

Specifications

BUCKET & TIRE SELECTION GUIDE



Description	Change in operating weight kg	Change in static tipping load-straight kg	Change in static tipping load-40° turn kg
17.5-25 12PR L3	-248	-180	-160
20.5-25 16PR L2	-64	-50	-40
20.5 R25 XHA*	+507	+380	+330

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, 950 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
 - 2 LED dome lights
 - 2 stop and tail lights
 - 4 turn signals
 - brake lights (counterweight)
 - 2 head lights on front tower
 - 2 working lights on front
- Switches
 - work load
 - 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
- Starter, electric
- Starting and charging system (24-volt)

Cabin

- Cabin, ROPS/FOPS (sound suppressed and pressurized) with :
 - cigar lighter & ashtray
 - 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 (2 inside)
- Rear view mirrors (2 outside)
- 2" retractable seat belt & adjustable suspension seat with armrests
- 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
- Engine, Cummins QSB6.7
 - low Emission Diesel, Tier 4 interim / EU Stage IIIB
- 3 operating modes
 - power/standard/economy
- Engine enclosure, lockable
- Engine fuel priming pump
- Fan guard
- Fuel/water separator
- Fuel warmer
- Diesel particulate filter
- Aircleaner
 - Direct airflow filter w/ precleaner

- Radiator (Deaeration type)
- Starting aid (air intake heater)
- Water sensor on fuel filter

Power Train

- Brakes : Service, enclosed wet-disc
- Parking brake
- Torque converter
- Transmission, computer-controlled, 4 speed electronic soft shift, auto shift and kick down-shift features included
- Transmission oil cooler

Hydraulics

- Boom kickout, automatic
- Bucket positioner, automatic
- Diagnostic pressure taps
- Hydraulic system,
 - 2 spool, single lever, pilot control for boom and bucket actuation
- Steering, load-sensing
- Remote cooling fan, hydraulically driven, temperature sensing type

Others

- Articulation locking bar
- Coolant level sight gauge
- Counterweight
- Door and cab locks, one key
- Doors, service access(locking)
- Drawbar with pin
- Engine oil level dipstick gauge
- Ergonomically located and slip resistant, left & right
 - handrails
 - ladders
 - platforms
 - steps
- Fenders (front/rear)
- Guard, bucket cylinder rod
- Hydraulic oil level sight gauge
- License plate bracket
- Lift and tie-down hooks
- Cushioned Tires (20.5-25, 16PR,L3)
- Transmission oil site level
- Vandalism protection caplocks

OPTIONAL EQUIPMENT

- 24-volt to 12-volt DC converter
- Beacon light
- Auxiliary, 2 working lights on front roof (Xenon working lights)
- Auxiliary, 2 working lights on rear roof
- 3 piece cutting edge, bolt-on type
- Secondary steering system
- Fire extinguisher
- High lift arrangement with additional counterweight, 840 kg (1,850 lb)
- Hydraulic control, 2 lever
- Hydraulic control, 3 lever
- 3rd spool for auxiliary function
- Joystick with travel switch (FNR)
- Mud guard
- Operator suit
- Ride control system
- Heated rear view mirrors (2 outside)
- Seat
 - 2" static seat belt & adjustable mechanical suspension (vinyl)
 - 3" static seat belt & adjustable mechanical suspension
- 2" retractable seat belt & adjustable air suspension (heated)
- Pallet Forks
- Tires :
 - 17.5 - 25, 12PR, L3
 - 20.5 - 25, 16PR, L2
 - 20.5 R25 XHA*
 - 20.5 - 25, 16PR, L5
 - 28L - 26, 20PR, LS2
- Tool kit
- Tooth, 1 piece, bolt-on type
- Guards
 - crankcase
 - 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
- Limited slip differential (front, rear)
- Hyd. lock differential (front)
- 5 speed transmission (with lock-up/clutch)

* 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.

PLEASE CONTACT

HYUNDAI
HEAVY INDUSTRIES EUROPE
CONSTRUCTION EQUIPMENT