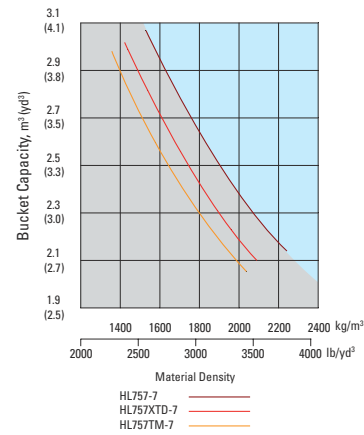


## Bucket Selection Guide



## Supplemental Specifications

Description	Change in operating weight kg(lb)	Change in static tipping load-straight kg(lb)	Change in static tipping load-40° turn kg(lb)
17.5-25 12PR L3	-248 (-547)	-184 (-406)	-163 (-359)
20.5-25 16PR L2	-64 (-141)	-48 (-106)	-42 (-93)
20.5 R25 XHA★	+507 (+1118)	+377 (+831)	+332 (+732)
20.5-25 16PR L5	+596 (+1314)	+442 (+974)	+392 (+864)

## 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
    - hydraulic oil temperature
    - coolant temperature
    - service brake oil pressure
  - Batteries, maintenance-free 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
    - work light
  - LCD Display
    - clock and fault code
    - operating hour counter
    - engine rpm
- Lighting system**
- 2 dome lights
  - 2 stop and tail lights
  - 4 turn signals
  - brake lights(counter weight)
  - license plate light
  - head light
  - 2 on front tower
  - working lights
  - 2 on front roof
  - 2 on grill
- Switches**
- buzzer stop
  - clutch cut-off
  - hazard
  - ignition key, start/stop switch
  - main light(illumination and head light)
  - parking
  - rear wiper & washer
  - work light
  - full automatic transmission
  - Starter, electric
  - Starting and charging system(24-volt)
- Cab**
- Cab, ROPS/FOPS (sound suppressed and pressurized) with :

- transmission gear range indicator
- job time and distance
- temperature(coolant, hydraulic oil, t/m oil)
- cigar lighter & ashtray
- coat hook
- front/rear window defroster
- intermittent wiper and washer, front and rear
- personal storage space: console box cool & hot box holder, can and cup
- rear view mirrors (2 inside)
- rear view mirrors (2 outside)
- seat belt
- seat, adjustable suspension with armrests
- steering column, tilt and telescopic
- steering wheel with knob
- sunvisor(front window)
- tinted safety glass
- two door cab, fixed glass
- Magazine box
- Pedals
  - one accelerator pedal
  - one brake pedal
- Rubber floor mat
- Wrist rest

- Engine**
- Antifreeze
  - Engine, Cummins QSB5.9-C
  - Low Emission Diesel, Tier-II
  - Engine enclosure, lockable
  - Engine fuel priming pump

- Fan guard
- Fan Heater
- Fuel/water separator
- Muffler, under hood with large exhaust stack
- Precleaner, engine air intake
- Radiator
- Starting aid (air intake heater)
- Water sensor on fuel filter

- Power Train**
- Brakes : Service, enclosed wet-disc
  - Differential, Limited Slip (front/rear)
  - Parking brake
  - Torque converter
  - Transmission, computer-controlled, electronic soft shift, auto-shift and kick-shift features included
  - Transmission oil cooler

- Hydraulics**
- Boom lock safety valve
  - Boom kickout, automatic
  - Bucket positioner, automatic
  - Diagnostic pressure taps
  - Hydraulic oil cooler
  - 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
  - Loader linkage, sealed Z-Bar design
  - Steering stops, cushioned
  - Tires(20.5-25, 16PR, L3)
  - Transmission oil level dipstick gauge
  - Vandalism protection cap locks

## Optional Equipment

- 24-volt to 12-volt DC converter
- Air condition :
  - air conditioner
  - air conditioner with heater
  - heater
- Alarm, back-up
- Beacon light, rotating
- Cutting edge, bolt-on type
- Emergency steering system
- Fire extinguisher
- High lift arrangement with optional counterweight, 820kg (1810 lb)
- Hourmeter
- Hydraulic control, 2 levers
- Hydraulic control, 3 levers
- Hydraulic arrangement, 3-valve
- Lighting, auxiliary, 4 on roof
- Main disconnect switch
- Mud guard

- Open Canopy (None-ROPS)
- Operator suit
- Radio MP3 player
- Ride control system
- Seat
  - 2" static seat belt & adjustable mechanical suspension(vinyl)
  - 3" retractable seat belt & adjustable mechanical

- suspension
  - 3" retractable seat belt & adjustable air suspension
- Tires :
  - 17.5 - 25, 12PR, L3
  - 20.5 - 25, 16PR, L2
  - 20.5 R25 XHA★
  - 20.5 - 25, 16PR, L5
- Tool kit
- Tooth, 1 piece, bolt-on type

- Tooth, 2 pieces, bolt-on type
- Guards
  - crankcase
  - transmission
- Wheel chock
- Window, sliding (left and right side)

Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine shown may vary according to International standards. All US measurement rounded off to nearest pounds or inches.



Some of the photos may include optional equipment.

HYUNDAI WHEEL LOADER Applied Tier 2 Engine

# HL757-7 / HL757<sub>TM</sub>-7 / HL757<sub>XTD</sub>-7

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# Specifications & Dimensions

## HL757-7 HL757™-7 HL757XTD-7



### Engine

<b>Maker/Model</b>	CUMMINS QSB5.9-C
<b>Type</b>	4-cycle, turbocharged, charge air-cooled direct injection, electronic controlled diesel engine
<b>Gross power</b>	173HP(129 kW) / 2,200rpm
<b>Net power</b>	164HP(122 kW) / 2,200rpm
<b>Maximum power</b>	178HP(133 kW) / 2,000rpm
<b>Maximum torque</b>	82kg·m(590 lb·ft) / 1,500rpm
<b>No. of cylinders</b>	6
<b>Bore x Stroke</b>	102 mm (4.0") x 120 mm (4.7")
<b>Displacement</b>	5.9 ℓ (360 cu in)
<b>Compression ratio</b>	18.0 : 1
<b>Air cleaner</b>	Dry, dual elements
<b>Alternator</b>	24V, 70 Amp
<b>Battery</b>	2 x 12V, 130 Ah.
<b>Starting motor</b>	24V, 3.7 kW

Net power output of standard engine as installed in this vehicle(per SAE J1349) complete with fan, air cleaner, alternator, water pump, lubricating oil pump and fuel pump. No derating for continuous operating required up to 3048m (10000ft). This engine meets the EPA(Tier II) / EU(Stage II) Emission regulation.

### Transmission

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

<b>Torque converter type</b>	3-elements, single-stage single-phase	
<b>Stall torque ratio</b>	2.873 : 1	
<b>Travel speed</b>	20.5-25, L3 km/h (mph)	
<b>Forward</b>	1st	7.1(4.4)
	2nd	11.7(7.3)
	3rd	23.0(14.3)
	4th	36.0(22.4)
<b>Reverse</b>	1st	7.5(4.7)
	2nd	12.3(7.6)
	3rd	24.1(15.0)

### Axles

<b>Drive system</b>	Four-wheel drive system
<b>Mount</b>	Rigid front axle and oscillating rear axle
<b>Rear axle oscillation</b>	± 13° (total 26°)
<b>Hub reduction</b>	Planetary reduction at wheel end
<b>Differential</b>	Limited slip differential
<b>Reduction ratio</b>	23.680

### Hydraulic system

<b>Type</b>	Open-centered, tandem circuit system. Pilot-operated controls. Closed with pressure and vacuum relief.	
<b>Pump</b>	Helical gear type, 220 liters/min (58.1 gal/min)@governed rpm	
<b>Control valve</b>	Two function valve with single or two lever controls : Optional third-function valve with auxiliary lever.	
<b>Relief valve setting</b>	210 kg/cm <sup>2</sup> (2,990 psi)	
<b>Pilot system</b>		
<b>Type</b>	Pilot oil pressure is generated by the pilot oil supply unit.	
<b>Relief valve setting</b>	30 kg/cm <sup>2</sup> (427 psi)	
<b>Bucket controls</b>		
<b>Type</b>	Pilot operated lift and tilt circuit, single-lever(joystick) control standard.	
<b>Lift circuit</b>	The valve has four functions ; raise, hold, lower and float. Can adjust automatic kickout from horizontal to full lift.	
<b>Tilt circuit</b>	The valve has three functions ; tilt back, hold and dump. Can adjust automatic bucket positioner to desired load angle.	
<b>Cylinder</b>	Type : Double acting No. of cylinders-bore x stroke; Lift HL757-7 2-140 mm(5.5") x 750 mm(29.5") Tilt HL757-7 1-160 mm(6.3") x 475 mm(18.7") HL757TM-7 2-120 mm(4.7") x 755 mm(29.7")	
<b>Cycle time</b>	HL757-7/HL757XTD-7	HL757TM-7
<b>Raise (with load)</b>	5.9 sec	5.9 sec
<b>Dump</b>	1.2 sec	1.7 sec
<b>Lower (empty)</b>	3.0 sec	3.0 sec
<b>Total</b>	10.1 sec	10.6 sec

### Brakes

<b>Service brakes</b>	Hydraulically actuated, wet disc brakes actuate all 4 wheels independent axle-by-axle system. Single pedal braking including clutch cut off switch.
<b>Parking brake</b>	Spring-applied, hydraulically released disc brake on transmission
<b>Emergency brake</b>	When brake oil pressure drops, indicator light alerts operator and parking brake automatically applies.

### Steering system

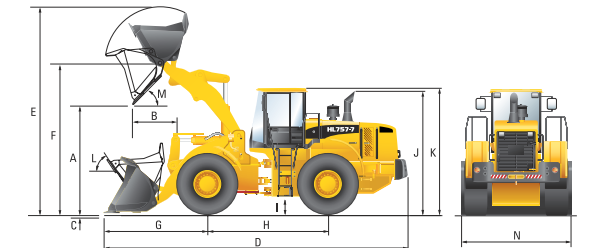
<b>Type</b>	Full hydraulic power steering
<b>Pump</b>	Helical gear type, 110 liters/min (29.1 gal/min) @ governed rpm
<b>Relief valve setting</b>	210 kg/cm <sup>2</sup> (2,990 psi)
<b>Cylinder</b>	
<b>Type</b>	Double acting
<b>Bore x stroke</b>	70mm(2.8") x 436mm(17.2")
<b>Steering angle</b>	40°(each direction)

- Features
- Center-point frame articulation.
  - Load-sensing system.
  - Steering-wheel operated metering pump controls flow to steering cylinders.
  - Tilt and telescopic steering column.

### Service refill capacities

<b>Fuel tank</b>	295 liters (78 US gal)
<b>Cooling system</b>	35 liters (9.2 US gal)
<b>Crankcase</b>	16 liters (4.2 US gal)
<b>Transmission</b>	43 liters (11.4 US gal)
<b>Front axle</b>	29 liters (7.7 US gal)
<b>Rear axle</b>	24 liters (6.3 US gal)
<b>Hydraulic tank</b>	130 liters (34.4 US gal)
<b>Hydraulic system (including tank)</b>	175 liters (46.3 US gal)

### Dimensions



Description	UNIT	HL757-7	HL757XTD-7	HL757TM-7
Bucket Type	General purpose bolt-on cutting edge			
A. Dumping clearance at max. height and 45° dump angle.	mm (ft-in)	2,860 (9' 5")	3,270 (10' 9")	2,900 (9' 6")
B. Reach	Full lift	1,040 (3' 5")	1,060 (3' 6")	1,280 (4' 2")
	7ft height	1,590 (5' 3")	1,950 (6' 5")	1,790 (5' 10")
C. Digging depth	mm (ft-in)	95 (3.7")	130 (5.1")	97 (3.8")
D. Overall length	on ground	7,450 (24' 7")	7,880 (25' 10")	7,670 (25' 2")
	at carry	7,390 (24' 5")	7,850 (25' 9")	7,480 (24' 6")
E. Overall height (fully raised)	mm (ft-in)	5,250 (17' 3")	5,650 (18' 6")	5,330 (17' 6")
F. Bucket pivot max. height	mm (ft-in)	3,910 (12' 10")	4,320 (14' 2")	4,020 (13' 2")
G. Front overhang	mm (ft-in)	2,520 (8' 3")	2,930 (9' 7")	2,670 (8' 9")
H. Wheelbase	mm (ft-in)	3,030 (9' 11")	3,030 (9' 11")	3,030 (9' 11")
I. Ground clearance	mm (ft-in)	410 (1' 4")	410 (1' 4")	410 (1' 4")
J. Height over exhaust	mm (ft-in)	3,130 (10' 3")	3,130 (10' 3")	3,130 (10' 3")
K. Height over cab	mm (ft-in)	3,300 (10' 10")	3,300 (10' 10")	3,300 (10' 10")
L. Roll-back angle	on ground	deg	41	50
	at carry	deg	46	54
M. Dump angle	deg	47	47	50
Clearance circle	mm (ft-in)	12,350 (40' 6")	12,720 (41' 9")	12,380 (40' 7")
N. Overall width	mm (ft-in)	2,740 (9')	2,740 (9')	2,740 (9')

### Overview

Description	UNIT	HL757-7	HL757XTD-7	HL757TM-7	
Operating weight	kg (lb)	13,800 (30,420)	14,300 (31,530)	14,300 (31,530)	
Bucket capacity	Heaped	m <sup>3</sup> (yd <sup>3</sup> )	2.7 (3.5)	2.7 (3.5)	2.5 (3.3)
	Struck	m <sup>3</sup> (yd <sup>3</sup> )	2.3 (3.0)	2.3 (3.0)	2.1 (2.8)
Breakout force-bucket	kg (lb)	12,720 (28,040)	12,560 (27,690)	13,020 (28,700)	
Tipping load	Straight	kg (lb)	11,020 (24,300)	9,670 (21,320)	9,500 (20,940)
	Full turn	kg (lb)	9,510 (20,970)	8,340 (18,390)	8,150 (17,970)

### Tires

<b>Type</b>	Tubeless, loader design tires
<b>Standard</b>	20.5-25, 16 PR, L3
<b>Options include</b>	17.5-25, 12 PR, L3 20.5-25, 16 PR, L2 20.5 R25 XHA* 20.5-25, 16 PR, L5