

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 | | |
| Pump | Variable axial piston pump, 185 liters/min (48.9 gal/min) @ governed rpm | | |
| Control valve | 2 spool (Bucket, Boom) 3 spool (Bucket, Boom, Aux) Pilot pressure controlled type | | |
| System pressure | 280 kgf/cm ² (3.982 psi) | | |
| 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; 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 |

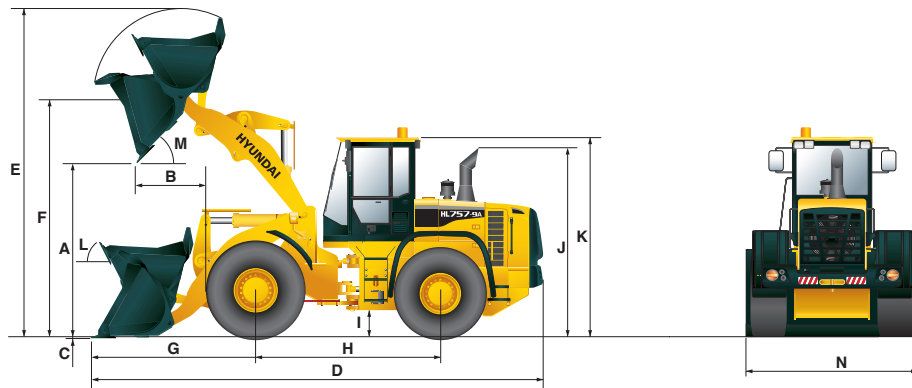
OVERVIEW

| 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

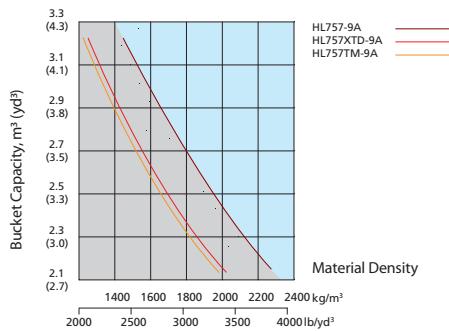


| Description | UNIT | HL757-9A | HL757XTD-9A | HL757TM-9A | |
|---|--------------------------------------|----------|-------------|------------|-------|
| Bucket Type | General purpose bolt-on cutting edge | | | | |
| A. Dumping clearance at max. height and 45° dump angle. | mm | 2,840 | 3,230 | 2,840 | |
| 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, autoshift 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