

Specifications

HL760-9A

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 | 168 kW / 2,100 rpm | Compression ratio | 17.3 : 1 |
| Net power | 166 kW / 2,100 rpm | Air cleaner | Dry, dual elements |
| Maximum torque | 97 kg.m / 1,500 rpm | Alternator | 24 V; 70 A |
| No. of cylinders | 6 | Battery | 2 x 12 V, 160 Ah. |
| | | Starting motor | 24 V; 7.8 kW |

※ This engine meets the EPA (Tier 4 interim) / EU (Stage III-B) Emission regulation.

TRANSMISSION

| | | | |
|------------------------------|---------------------------------------|--------------------|--|
| Torque converter type | 3-elements, single-stage single-phase | | |
| Travel speed | | 4 speed T/M | 5 speed T/M with lock up clutch |
| Forward | 1st | 6.3 km/h | 6.7 km/h |
| | 2nd | 12.0 km/h | 11.7 km/h |
| | 3rd | 24.0 km/h | 18.0 km/h |
| | 4th | 38.4 km/h | 27.9 km/h |
| | 5th | / | 42.5 km/h |
| Reverse | 1st | 6.7 km/h | 7.0 km/h |
| | 2nd | 12.6 km/h | 12.4 km/h |
| | 3rd | 25.2 km/h | 29.3 km/h |

AXLES

| | | | |
|------------------------------|--|------------------------|----------------------------------|
| Drive system | Four-wheel drive system | Hub reduction | Planetary reduction at wheel end |
| Mount | Rigid front axle and oscillating rear axle | Reduction ratio | 1 : 24.666 |
| Rear axle oscillation | +/- 12° (total 24°) | | |

HYDRAULIC SYSTEM

| | | | |
|------------------------|--|---|--|
| Type | Load-sensing hydraulic system | | |
| Pump | Variable axial piston pump, 233 liters/min | | |
| Control valve | 3 spool (Bucket, Boom, Aux) Pilot pressure controlled type | | |
| System pressure | 280 kgf/cm ² | | |
| 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. | |
| | Tilt Circuit | The valve has three functions ; tilt back, hold and dump. | |
| Cylinders | HL760-9A HL760XTD-9A | Type : Double acting No. of cylinders-bore x stroke; Lift 2-140 mm x 757 mm Tilt 1-160 mm x 530 mm Tilt 1-160 mm x 515 mm (XTD) | |
| Cycle Time | Raise : 5.8 sec Dump : 1.2 sec Lower : 3.1 sec Total : 10.1 sec | | |

Specifications

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BRAKES

| | |
|------------------------|---|
| Service Brakes | Hydraulically actuated, wet disc brakes Self adjusting & wheel speed brake |
| Parking Brake | Spring-applied, hydraulically released |
| Emergency Brake | When brake oil pressure drops, parking brake applies automatically. |

STEERING SYSTEM

| | | |
|-----------------------------|---|---------------------------------|
| Type | Load-sensing hydrostatic articulated steering | |
| Pump | Piston pump, 126 liters/min | |
| Relief Valve Setting | 250 kg/cm ² | |
| Cylinder | Type Bore x Stroke | Double acting 75 mm x 440 mm |
| Steering Angle | 40° | |

SERVICE REFILL CAPACITIES

| | |
|-----------------------|------------|
| Fuel tank | 327 liters |
| Cooling system | 43 liters |
| Crankcase | 18 liters |
| Transmission | 32 liters |

| | |
|--|------------|
| Front axle | 35 liters |
| Rear axle | 35 liters |
| Hydraulic tank | 178 liters |
| Hydraulic system (including tank) | 252 liters |

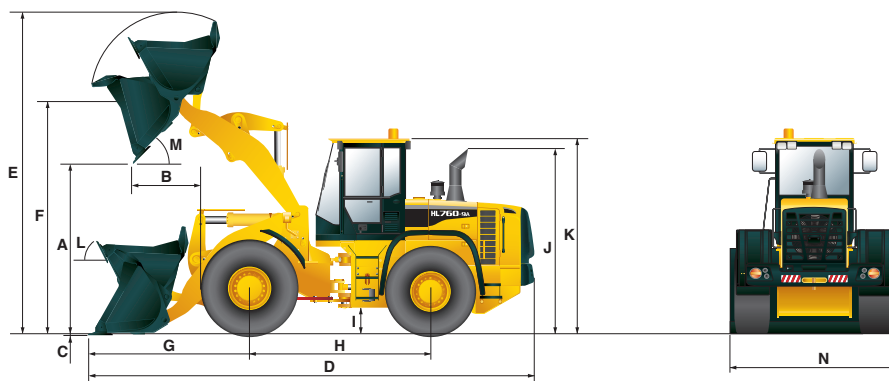
OVERVIEW

| Description | UNIT | HL760-9A | HL760XTD-9A |
|-----------------------|-----------|----------------|-------------|
| Operating weight | kg | 18,350 | 19,150 |
| Bucket Capacity | Heaped | m ³ | 3.3 |
| | Struck | m ³ | 2.8 |
| Breakout force-bucket | kg | 16,230 | 15,820 |
| Tipping load | Straight | kg | 14,300 |
| | Full turn | kg | 12,410 |

TIRES

| | |
|------------------------|--------------------|
| Type | Radial tires |
| Standard | 23.5-25, 20 PR, L3 |
| Options include | 20.5-25, 16 PR, L3 |
| | 23.5-25, 20 PR, L5 |
| | 23.5 R25 XHA* |

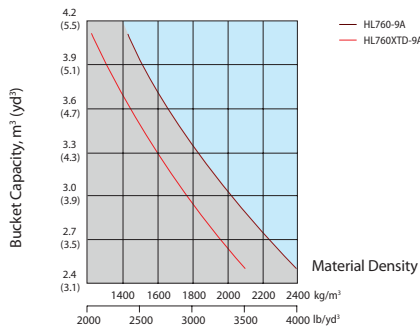
DIMENSIONS



| Description | UNIT | HL760-9A | HL760XTD-9A |
|---|--------------------------------------|----------|-------------|
| Bucket Type | General purpose bolt-on cutting edge | | |
| A. Dumping clearance at max. height and 45° dump angle. | mm | 2,970 | 3,460 |
| B. Reach | full lift | mm | 1,220 |
| | 7ft height | mm | 1,790 |
| C. Digging depth | mm | 90 | 86 |
| D. Overall length | bucket on ground | mm | 8,100 |
| | carry position | mm | 8,030 |
| E. Overall height (fully raised) | mm | 5,575 | 6,060 |
| F. Bucket pin at max. height | mm | 4,105 | 4,600 |

| Description | UNIT | HL760-9A | HL760XTD-9A |
|--------------------------------|----------------|----------|-------------|
| G. Front overhang | mm | 2,780 | 3,245 |
| H. Wheelbase | mm | 3,300 | 3,300 |
| I. Ground clearance | mm | 420 | 420 |
| J. Height over exhaust | mm | 2,960 | 2,960 |
| K. Height over cabin | mm | 3,450 | 3,450 |
| L. Max. Bucket roll back angle | ground | deg | 42 |
| | carry | deg | 47 |
| M. Max. Bucket dump angle | deg | 47 | 47 |
| Clearance circle | mm | 13,130 | 13,560 |
| N. Overall width | with bucket | mm | 2,900 |
| | without bucket | mm | 2,770 |

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 |
|-----------------|-------------------------------|---|---|
| 20.5-25 16PR L3 | -872 | -670 | -590 |
| 23.5 R25 XHA* | +8 | +6 | +5 |

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, 900 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 hours counter
 - engine rpm
 - transmission gear range indicator
 - job time and distance
 - temperature (coolant, hydraulic oil, T/M oil)
- Lighting system
 - 1 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 roof
 - 2 working lights on grill
- Switches
 - clutch cut-off
 - hazard
 - Ignition key, start/stop switch
 - main lights (working and head lights)
 - parking
 - rear wiper & washer

- battery master switch
- pilot cut-off
- Starter, electric
- Heated rear view mirrors
- 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:
 - console box
 - holder, can and cup
- Rear view mirrors (1 inside)
- Rear view mirrors (2 outside)
- 2" retractable seat belt & adjustable suspension seat with armrests
- Steering column, tilt and telescopic
- Steering wheel with knob

- Roller type sun visor (front window)
- Tinted safety glass
- Two doors
- Magazine pocket
- Pedals
 - one accelerator pedal
 - one brake pedal
- Radio/USB player (Bluetooth hands free)
- Rubber floor mat
- Wrist rest
- Engine**
- Engine, Cummins QS86.7
 - low Emission Diesel, Tier 4 interim / EU Stage IIIB
- Engine fuel priming pump (Electric)
- 3 operating modes
 - power/standard/economy
- Fan guard
- Fuel/water separator
- Fuel warmer
- Diesel Particulate Filter
- Direct air flow filter with precleaner

- Starting aid (air intake heater)
- Water sensor on fuel filter
- Power Train**
- Service brake, enclosed wet-disc
- Parking brake
- Torque converter
- Transmission, F5 / R3 with lock-up Torque Converter computer-controlled, electronic soft shift, auto-shift and kick-down features included
- Transmission oil cooler
- Limited slip differential (front, rear)
- Hydraulics**
- Automatic boom kickout
- Automatic bucket positioner
- Diagnostic pressure taps
- Hydraulic oil cooler
- Hydraulic system,
 - 3 spool, pilot control
- Steering, load-sensing
- Emergency steering system
- Joystick with FNR-switch

- Ride control system
- Others**
- Articulation locking bar
- Counterweight, standard
- Doors and cabin, one key fits all
- Drawbar with pin
- Ergonomically located and slip resistant, left & right
 - handrails
 - ladders
 - platforms
 - steps
- Front and rear fenders
- Guard, bucket cylinder rod
- License plate holder and lamp
- Lift and tie-down hooks
- Loader linkage, sealed Z-bar design
- Cushioned steering stops
- Tires (23.5-25, 20PR, L3)
- Vandalism protection cap locks
- Reversible cooling fan
- HL-Mate (Remote Management System)
- Rear view camera
- Smart key engine start

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
- Cutting edge, bolt-on type

- Dual brake pedal
- Fire extinguisher
- High lift arrangement with additional counterweight, 637 kg (1,404 lb)
- Mud guard
- Pallet forks

- Seat
 - 2" static seat belt & adjustable mechanical suspension (vinyl)
 - 3" static seat belt & adjustable mechanical suspension
 - 2" retractable seat belt &

- adjustable air suspension (heated)
- Tires:
 - 23.5 - 25, 20PR, L3
 - 26.5 - 25, 28PR, L3
 - 26.5 - 25, 32PR, L3
 - 26.5 - 25, 20PR, L5
 - 26.5 R25 XHA*

- Tooth, 1 piece, bolt-on type
- Tooth, 2 pieces, bolt-on type
- Joystick-steering
- Roller type sun visor (rear window)
- Open differential (front, rear)
- Hyd. lock differential (front)

- Transmission, F4 / R3 without lock-up Torque Converter computer-controlled, electronic soft shift, auto-shift and kick-down features included

* 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

