

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, 130 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	
Cycle Time	Raise : 5.8 sec Dump : 1.2 sec Lower : 3.1 sec Total : 10.1 sec		

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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

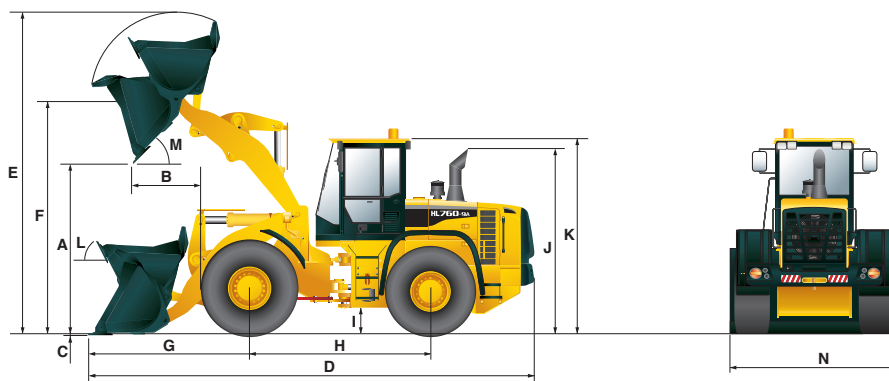
OVERVIEW

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*

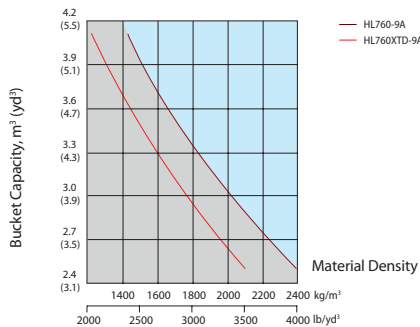
DIMENSIONS



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 (26.5-25, 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, 520 kg (1,146 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

