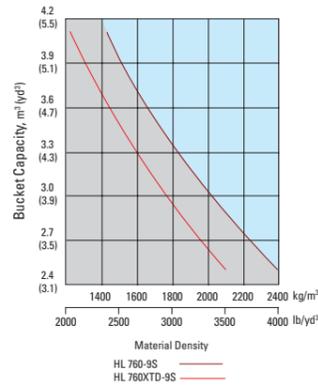


BUCKET SELECTION GUIDE



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)
20.5-25 16PR L3	-872 (-1,922)	-670 (-1,470)	-590 (-1,300)
23.5 R25 XHA*	+8 (+18)	+6 (+13)	+5 (+11)

STANDARD EQUIPMENT

<p>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, maintenance-free 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 hour counter - engine rpm</p>	<p>- transmission gear range indicator - job time and distance - temperature(coolant, hydraulic oil, t/m oil) Lighting system - LED dome light - 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 light (illumination and head light) - parking - rear wiper & washer - work light - battery master switch Starter, electric Starting and charging system (24-volt)</p> <p>Cab Cab (sound suppressed and pressurized) with : - cigar lighter & ashtray - coat hook</p>	<p>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 sunshade (front / rear window) Tinted safety glass Two door cab Magazine pocket Pedals - one accelerator pedal - one brake pedal Radio/USB player Rubber floor mat Wrist rest</p> <p>Engine Antifreeze Engine, Cummins 6C8.3 - Low Emission Diesel, Tier-II Engine enclosure, lockable</p>	<p>Engine fuel priming pump Fan guard Fuel/water separator Muffler, under hood with large exhaust stack Rain cap, engine air intake Radiator Starting aid (air intake heater)</p> <p>Power Train Brakes : Service, enclosed wet-disc Parking brake Torque converter Transmission, computer-controlled, electronic soft shift, auto-shift and kick-down features included Transmission oil cooler</p> <p>Hydraulics 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</p>	<p>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 Lift and tie-down hooks Loader linkage, sealed Z-bar design Tires(23.5-25, 20PR,L3) Transmission oil site level Vandalism protection caplocks</p>
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OPTIONAL EQUIPMENT

<p>24-volt to 12-volt DC converter Cab, ROPS/FOPS Climate control - air conditioner only - heater only Beacon light, rotating Auxiliary, 2 working lights on rear roof Cutting edge, bolt-on type Secondary steering system Fire extinguisher</p>	<p>High lift arrangement with optional counterweight, 1,600kg (3,530 lb) 3rd spool for auxiliary function Mud guard Operator suit Pallet forks Heated rear view mirrors (2 outside) Reversible cooling fan</p>	<p>Hydraulic control, 2 lever Hydraulic control, 3 lever Ride control system Seat - 2" static seat belt & adjustable mechanical suspension (vinyl) - 3" static seat belt & adjustable mechanical suspension - 2" retractable seat belt & adjustable air suspension (heated)</p>	<p>Tires : - 20.5 - 25, 16PR, L3 - 23.5 - 25, 20PR, L5 - 23.5 R25 XHA Tool kit Tooth, 1 piece, bolt-on type Tooth, 2 pieces, bolt-on type Guards - crankcase - transmission</p>	<p>Wheel chock Pre-cleaner, engine air intake License plate & lamp Hi-Mate(Remote Management System) Rearview camera Limited slip differential Fuel warmer</p>
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Standard and optional equipment may vary. Contact your Hyundai dealer for more information. The machine may vary according to International standards. All imperial measurements rounded off to the nearest pound or inch.

PLEASE CONTACT

www.hyundai-ce.com

2013.05 Rev. 1

 **HYUNDAI**
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We build a better future

HL760-9s

With Tier 2 Engine installed



*Photo may include optional equipment.

 **HYUNDAI**
HEAVY INDUSTRIES CO.,LTD.

Specifications & Dimensions

ENGINE

Maker/Model	Cummins 6C8.3	Bore x Stroke	114 mm (4.49") x 135 mm (5.31")
Type	4-cycle, turbocharged, charge aircooled direct injection, diesel engine	Displacement	8.3ℓ (506 cu in)
Gross power	215 HP(160 kW) / 2,200rpm	Compression ratio	18 : 1
Net power	205 HP(152 kW) / 2,200rpm	Air cleaner	Dry, dual elements
Maximum torque	99 kg·m(716lb-ft) / 1,400rpm	Alternator	24V, 70 Amp
No. of cylinders	6	Battery	2 x 12V
		Starting motor	24V, 7.5 kW

※No derating for continuous operating required up to 3,048m (10,000ft). This engine meets the EPA(Tier II) / EU(Stage II) Emission regulation.

TRANSMISSION

Torque converter type	3-elements, single-stage single-phase	Travel speed	km/h (mph)
Tire	23.5-25, L3	Forward	
		1st	6.4(4.0)
		2nd	12.1(7.5)
		3rd	24.2(15.0)
		4th	38.4(23.9)
		Reverse	
		1st	6.8(4.2)
		2nd	12.8(8.0)
		3rd	25.4(15.8)

※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	±12° (total 24°)	Reduction ratio	24.666

HYDRAULIC SYSTEM

Type	Open centered, tandem circuit system pilot operated controls	Bucket Controls	Type Pilot operated lift and tilt circuit, single-lever(joystick) control standard.
Pump	Helical gear type, 282 liters/min (74.4 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)	Tilt Circuit	The valve has three functions ; tilt back, hold and dump. Can adjust automatic bucket positioner to desired load angle.
System pressure	210 kgf/cm ² (2,986psi)	Cylinder	Type : Double acting No. of cylinders-bore x stroke; Lift 2-160 mm(6.3") x 757 mm(29.8") HL760-9 HL760XTD-9 Tilt 1-180 mm(7.1") x 530 mm(20.8") Tilt 1-180 mm(7.1") x 515 mm(20.3")
		Cycle Time	Raise : 6.2 sec Dump : 1.4 sec Lower : 3.0 sec Total : 10.6 sec

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 brake
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	Gear pump, 141 liters/min (37.2 gal/min)
Relief Valve Setting	210 kg/cm ² (2,986 psi)
Cylinder	Type Bore x Stroke Double acting 80mm(2.9") x 440mm(17.3")
Steering Angle	40°(each direction)

Features
- Center-point frame articulation.
- Tilt and telescopic steering column.

SERVICE REFILL CAPACITIES

Fuel tank	263 liters (69.5 USgal)
Cooling system	39 liters (10.3 USgal)
Crankcase	20 liters (5.3 USgal)
Transmission	32 liters (8.5 USgal)

Front axle	35 liters (9.2 USgal)
Rear axle	35 liters (9.2 USgal)
Hydraulic tank	163 liters (43.1 USgal)
Hydraulic system (including tank)	260 liters (68.7 USgal)

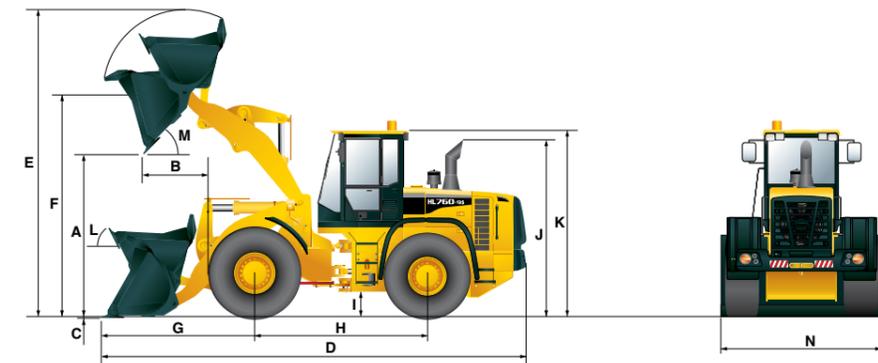
OVERVIEW

Description	UNIT	HL760-9S	HL760XTD-9S
Operating weight	kg (lb)	17,600 (38,800)	18,400 (40,560)
Bucket capacity	Heaped	m ³ (yd ³) 3.1 (4.0)	3.1 (4.0)
	Struck	m ³ (yd ³) 2.7 (3.5)	2.7 (3.5)
Breakout force-bucket	kg (lb)	15,950 (35,160)	15,650 (34,500)
Tipping load	Straight	kg (lb) 13,950 (30,750)	12,400 (27,340)
	Full turn	kg (lb) 12,060 (26,590)	10,660 (23,500)

TIRES

Type	Tubeless, loader design 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	HL760-9S	HL760XTD-9S
Bucket Type		General purpose bolt-on cutting edge	
A. Dumping clearance at max. height and 45° dump angle.	mm (ft-in)	3,000 (9' 10")	3,490 (11' 5")
B. Reach	Full lift	mm (ft-in) 1,190 (3' 11")	1,215 (4')
	7ft height	mm (ft-in) 1,720 (5' 8")	2,180 (7' 2")
C. Digging depth	mm (in)	90 (3.5")	90 (3.5")
D. Overall length	on ground	mm (ft-in) 8,065 (26' 6")	8,620 (28' 3")
	at carry	mm (ft-in) 8,000 (26' 3")	8,580 (28' 2")
E. Overall height (fully raised)	mm (ft-in)	5,540 (18' 2")	6,030 (19' 9")
F. Bucket pivot max. height	mm (ft-in)	4,105 (13' 6")	4,600 (15' 1")

Description	UNIT	HL760-9S	HL760XTD-9S
G. Front overhang	mm (ft-in)	2,745 (9')	3,210 (10' 6")
H. Wheelbase	mm (ft-in)	3,300 (10' 10")	3,300 (10' 10")
I. Ground clearance	mm (ft-in)	420 (1' 5")	420 (1' 5")
J. Height over exhaust	mm (ft-in)	3,290 (10' 10")	3,290 (10' 10")
K. Height over cab	mm (ft-in)	3,485 (11' 5")	3,440 (11' 3")
L. Roll-back angle	on ground	deg	42
	at carry	deg	47
M. Dump angle	deg	47	47
Clearance circle	mm (ft-in)	13,120 (43' 1")	13,590 (44' 7")
N. Overall width	with bucket	mm (ft-in)	2,900 (9' 6")
	without bucket	mm (ft-in)	2,770 (9' 1")