SPECIFICATIONS

ENGINE

Maker / Model	CUMMINS / QSB6.7
Type	Watercooled, 4-cycle, turbocharged charge aircooled, direct injection, electronic controlled diesel engine.
Gross power	118 kW (158 HP) / 2,100 rpm
Net power	116 kW (156 HP) / 2,100 rpm
Maximum torque	86 kg.m (622 lb.ft) / 1,200 rpm
No. of cylinders	6
Bore x Stroke	107 mm (4.21") × 124 mm (4.88")
Displacement	6.7 ℓ (409 cu in)
Compression ratio	17.3 : 1
Air cleaner	Dry, two stage dual elements
Alternator	24 V - 95 A
Battery	2 × 12 V, 850 CCA
Starting motor	24 V - 7.8 kW

TRANSMISSION

Torque converter type	3-elements, single-stage single-phase
Tire	20.5 R25, L3

* 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.

Travel speed, km/h (mph)		4 speed T/M
Forward	1st	6.9 (4.3)
	2nd	12.7 (7.9)
	3rd	24.9 (15.4)
	4th	40.0 (24.9)
Reverse	1st	7.3 (4.5)
	2nd	13.4 (8.3)
	3rd	26.1 (16.2)

AXLES

Drive system	Four-wheel drive system
Mount	Rigid front axle and oscillating rear axle
Rear axle oscillation	Oscillation ±11° of center pin-loaded
Hub reduction	Planetary reduction at wheel end
Differential	Conventional
Reduction ratio	21.53

OVERVIEW

Description		UNIT	HL940	HL940 XTD
Operating weight		kg (lb)	13,100 (28,880)	13,400 (29,540)
Bucket capacity	Heaped	m^3 (yd^3)	2.3 (3.0)	2.3 (3.0)
	Struck	m^3 (yd^3)	2.0 (2.6)	2.0 (2.6)
Breakout force-bucket		kg (lb)	11,250 (24,802)	11,100 (24,471)
Tipping load	Straight	kg (lb)	10,000 (22,046)	8,880 (19,577)
	Full turn	kg (lb)	8,600 (18,960)	7,700 (16,976)

TIRES

Type	Tubeless, loader design tires
Standard	20.5 R25, ★, L3
Options include	20.5-25, 16PR, L3 20.5-25, 20PR, L5 20.5 R25, XHA2 17.5-25, 12PR, L3 20.5-25, 16PR, L2 17.5-25, 12PR, L2 17.5 R25, ★, L3

HYDRAULIC SYSTEM

Type		Load sensing hydraulic system
Pump		Variable displacement piston pump, 149 ℓpm
Control valve		2 Spool (Bucket, Boom) 3 Spool (Bucket, Boom, Aux)
System pressure		280 kgf/cm^2
Lift Circuit		The valve has four functions; Raise / Hold / Lower / Float Can adjust automatic kickout from horizontal to full lift.
Tilt Circuit		The valve has three functions; Tilt back / Hold / Dump Can adjust automatic bucket positioner to desired load angle.
Cylinder	HL940 HL940 XTD	Type : Double acting No. of cylinders-bore x stroke; Lift: 2 - 110 mm (4.3") x 738 mm (29") Tilt: 1 - 125 mm (4.9") x 505 mm (19.9") Tilt: 1 - 125 mm (4.9") x 505 mm (19.9")
Cycle Time		Raise: 5.5 sec Dump: 1.1 sec Lower: 3.0 sec Total: 9.6 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, hydraulic 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	Variable displacement pump, 149 ℓpm
Relief Valve Setting	210 kgf/cm^2
Cylinder	Double acting 2 - 65 mm (2.5") x 429 mm (16.9")
Steering Angle	40° to both right and left angle, respectively

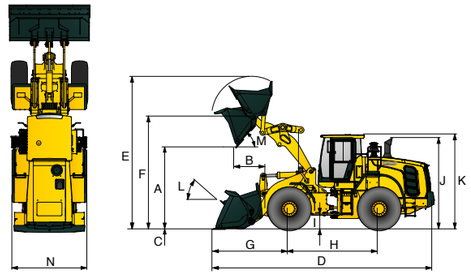
Features:
Center-point frame articulation. Tilt and telescopic steering column.

SERVICE REFILL CAPACITIES

Fuel tank	220 liters (58 USgal)
DEF tank	18 liters (4.8 USgal)
Cooling system	34 liters (9 USgal)
Crankcase	18 liters (4.8 USgal)
Transmission	43 liters (11.4 USgal)
Front axle	24 liters (6.3 USgal)
Rear axle	24 liters (6.3 USgal)
Hydraulic tank	90 liters (23.8 USgal)
Hydraulic system (including tank)	125 liters (33 USgal)

DIMENSIONS

All dimensions are approximate.



Description		UNIT	HL940	HL940 XTD
Bucket Type		General purpose bolt-on cutting edge		
A. Dumping clearance at max. height and 45° dump angle.		mm (ft-in)	2,785 (9' 1.6")	3,210 (10' 6.4")
B. Reach	Full lift	mm (ft-in)	1,025 (3' 4.4")	1,020 (3' 4.2")
	7ft height	mm (ft-in)	1,530 (5' 0.2")	1,890 (6' 2.4")
C. Digging depth		mm (in)	90 (3.5")	130 (5.1")
D. Overall length	on ground	mm (ft-in)	7,430 (24' 4.5")	7,895 (25' 10.8")
	at carry	mm (ft-in)	7,360 (24' 1.8")	7,840 (25' 8.7")

Description		UNIT	HL940	HL940 XTD
E. Overall height (fully raised)		mm (ft-in)	5,255 (17' 2.9")	5,680 (18' 7.6")
F. Bucket pivot max. height		mm (ft-in)	3,820 (12' 6.4")	4,240 (13' 10.9")
G. Front overhang		mm (ft-in)	2,480 (8' 1.6")	2,890 (9' 5.8")
H. Wheelbase		mm (ft-in)	2,950 (9' 8.1")	2,950 (9' 8.1")
I. Ground clearance		mm (ft-in)	417 (1' 4.4")	417 (1' 4.4")
J. Height over exhaust		mm (ft-in)	3,170 (10' 4.8")	3,170 (10' 4.8")
K. Height over cab		mm (ft-in)	3,300 (10' 9.9")	3,300 (10' 9.9")
L. Roll-back angle	on ground	deg	42	42
	at carry	deg	47	49
M. Dump angle		deg	48	47
Clearance circle (Tread)		mm (ft-in)	11,760 (38' 6.9")	11,760 (38' 6.9")
N. Overall width	with bucket	mm (ft-in)	2,600 (8' 6.4")	2,600 (8' 6.4")
	without bucket	mm (ft-in)	2,430 (7' 11.7")	2,430 (7' 11.7")

HL940/ DENSITY OF OPERATING MATERIALS

Loose Material		Material Density
Earth/Clay		1.5 ~ 1.7 (2528 ~ 2865)
Sand and Gravel		1.5 ~ 1.7 (2528 ~ 2865)
Aggregate	25 ~ 76 mm (1" to 3 in)	1.6 ~ 1.7 (2697 ~ 2865)
	19 mm (0.75 in) and larger	1.8 (3034)

HL940/ DENSITY OF OPERATING MATERIALS

Lift arm	Bucket	Type	m^3 (yd^3)	Material Density [t/m^3] 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5
Standard lift arm	General Purpose	Cutting edge	2.3 (3.0)	2.6 m^3 (3.4 yd^3) — 2.2 m^3 (2.9 yd^3)
		Cutting edge	2.1 (2.7)	2.4 m^3 (3.1 yd^3) — 2.0 m^3 (2.6 yd^3)
		1-Bolt on tooth	2.2 (2.9)	2.5 m^3 (3.3 yd^3) — 2.1 m^3 (2.7 yd^3)
		2-Bolt on tooth	2.2 (2.9)	2.5 m^3 (3.3 yd^3) — 2.1 m^3 (2.7 yd^3)
		1-Bolt on tooth	2.0 (2.6)	2.5 m^3 (3.3 yd^3) — 2.1 m^3 (2.7 yd^3)
High lift arm (XTD)	General Purpose	Cutting edge	2.3 (3.0)	2.6 m^3 (3.4 yd^3) — 2.2 m^3 (2.9 yd^3)
		Cutting edge	2.1 (2.7)	4.7 m^3(6.1 yd^3)
		1-Bolt on tooth	2.2 (2.9)	2.5 m^3 (3.3 yd^3) — 2.1 m^3 (2.7 yd^3)
		2-Bolt on tooth	2.2 (2.9)	2.5 m^3 (3.3 yd^3) — 2.1 m^3 (2.7 yd^3)
		1-Bolt on tooth	2.0 (2.6)	2.3 m^3 (3.0 yd^3) — 1.9 m^3 (2.5 yd^3)

115% 100% 95%

CABIN & INTERIOR	STD	OPT
Alternator, 95 A	●	
Alarms, audible and visual		
Air filter clogging	●	
Transmission error	●	
Battery voltage	●	
Brake oil pressure	●	
Engine oil pressure	●	
Parking brake	●	
Fuel level	●	
Hydraulic oil temperature	●	
Coolant temperature	●	
Transmission oil temperature	●	
Service brake oil pressure	●	
Coolant level	●	
Water in fuel	●	
Alarm, back-up	●	
Batteries, PT		
850 CCA, 12 V, (2)	●	
Gauges		
Engine coolant temperature	●	
Fuel level	●	
Speedometer	●	
Transmission oil temperature	●	
Horn, electric	●	
Indicator lights		
High beam	●	
Turn signal	●	
Pilot cut off	●	
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		
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	●	
4 working lights on front roof, 2 working lights on rear roof		●
4 working lights (2 xenon) on front roof, 2 working lights on rear roof		●
4 working lights (LED) on front roof, 2 working lights (LED) on rear roof		●
2 working lights on grill	●	
Switches		
Hazard	●	
Ignition	●	
Parking	●	
Battery master switch	●	
FNR	●	
Secondary steering test	●	
Pilot cut off	●	
Membrane Switches in monitor		
Main light	●	
Work light	●	
Quick coupler		●
Ride control		●
Work load	●	
Beacon lamp		●
Rear wiper	●	
Auto position	●	

CABIN & INTERIOR	STD	OPT
Cab (sound suppressed and pressurized) with		
Cigar lighter & ashtray	●	
Coat hook	●	
Automatic climate control		
Air conditioner & heater	●	
Defroster	●	
Intermittent wiper and washer, front and rear	●	
Seat		
2" retractable seat belt & adjustable	●	
2" static seat belt & adjustable mechanical suspension (heated)		●
3" static seat belt & adjustable mechanical suspension		●
2" retractable seat belt & adjustable air suspension (heated)		●
3" retractable seat belt & adjustable air suspension (heated)		●
Personal storage space		
Console box	●	
Holder, can and cup	●	
Rear view mirrors (1 inside)	●	
Rear view mirrors (2 outside)	●	
Rear view mirrors (2 outside, Heated)		●
Steering column, tilt and telescopic	●	
Steering wheel with knob	●	
Roller type sunshade (front window)	●	
Roller type sunshade (rear window)		●
Tinted safety glass	●	
One door cab	●	
Magazine pocket	●	
Pedals		
One accelerator pedal	●	
One brake pedal	●	
Dual-Brake pedal		●
Radio/USB player	●	
Rubber floor mat	●	
Wrist rest	●	
24-volt to 12-volt DC converter (20A)		●
ENGINE		
Antifreeze	●	
Engine, Cummins QSB6.7		
Tier 4 Final / Stage 4	●	
Engine enclosure, lockable	●	
Engine fuel priming pump	●	
Fan guard	●	
Fuel/water separator	●	
Clean emission module		
DOC and SCR	●	
Rain cap, engine air intake	●	
3 Stage air precleaner		●
Radiator	●	
Fuel heater	●	
Coolant level sight gauge	●	
Engine oil level dipstick gauge	●	
Air cleaner with auto dust eject	●	
POWER TRAIN		
Brakes : Service, enclosed wet-disc	●	
Parking brake	●	
Torque converter	●	
Transmission F4 / R3, computer controlled, electronic soft shift, auto-shift and kick-down features included	●	
Transmission oil sight level	●	
Limited slip differential (front, rear)		●
Transmission oil cooler	●	

POWER TRAIN	STD	OPT
Tires		
20.5 R25, ★, L3	●	
20.5-25, 16PR, L3		●
20.5-25, 20PR, L5		●
20.5 R25, XHA2		●
17.5-25, 12PR, L3		●
20.5-25, 16PR, L2		●
17.5-25, 12PR, L2		●
17.5 R25, ★, L3		●
Travel speed limiter (20-40 km/h)		●
HYDRAULIC SYSTEM		
Boom kickout, automatic	●	
Bucket positioner, automatic	●	
Diagnostic pressure taps	●	
Hydraulic oil cooler	●	
Hydraulic control, 2 spool		●
Hydraulic control, 3 spool	●	
Joystick Control		●
Lever control-single axle		●
Ride control system		●
Secondary steering system	●	
Extra piping-for auxiliary function		●
Quick coupler piping		●
OTHER		
Articulation locking bar	●	
Counterweight	●	
Optional counter weight		●
Door and cab locks, one key	●	
Doors, service access (locking)	●	
Drawbar with pin	●	
Ergonomically located and slip resistant, left & right	●	
Handrails	●	
Ladders	●	
Platforms	●	
Steps	●	
Fenders (front / rear)	●	
Hydraulic oil level sight gauge	●	
Lift and tie-down hooks	●	
Loader linkage, sealed	●	
Z-bar design	●	
Long boom		●
Vandalism protection caplocks	●	
Tool kit		●
Cutting edge, bolt-on type		●
Tooth, 1 piece, bolt-on type		●
Tooth, 2 pieces, bolt-on type		●
Pallet forks		●
Guards		
Crankcase		●
Transmission		●
Mud guards		●
Wheel chock		●
License plate & lamp		●
Hi MATE (Remote Management System)		●
Rearview camera	●	
SAFETY		
Beacon light, rotating		●
Fire extinguisher		●
Operator suit		●

STD = Standard
OPT = Optional

* 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.
* The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant HFC-134a (Global Warming Potential = 1430). The system contains 0.75 kg of refrigerant which has a CO_2 equivalent of 1.0725 metric tonne.

HYUNDAI CONSTRUCTION EQUIPMENT

PLEASE CONTACT

Hyundai Construction Equipment Europe nv
Hyundailaan 4, 3980 Tessenderlo, Belgium **Tel:** (32) 14-56-2200 **Fax:** (32) 14-59-3405 www.hyundai.eu

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