

WHEEL LOADER
HL940A



SPECIFICATIONS

ENGINE	
Maker / Model	CUMMINS B 6.7 / EU Stage V
Type	Turbocharged, charge air cooled, diesel engine
Aftertreatment System	DOC, DPF, SCR, VGT
Gross Power (SAE J1995)	156 HP (116 kW) at 2,200 rpm
Net Power (SAE J1349)	154 HP (115 kW) at 2,200 rpm
Max. Power	165 HP (123 kW) at 1,800 rpm
Peak Gross Torque (SAE J1995)	746 N·m (550 lb ft) at 1,300 rpm
Displacement	6,700 cc (483 cu in)
- The indicated net power is available for the flywheel when the engine is equipped with a fan, alternator, air cleaner, and after-treatment device. - The indicated gross power is obtained with the fan at maximum speed.	

TRANSMISSION		
Torque converter type*		3-Elements, Single-stage, Single phase
Tyre		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		4 speed T/M
Forward	1st	7.0 (4.3)
	2nd	12.8 (7.9)
	3rd	25.2 (15.6)
	4th	40.0 (24.9)
Reverse	1st	7.4 (4.6)
	2nd	13.5 (8.4)
	3rd	26.5 (16.5)

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AXLES	
Drive system	Four-wheel drive system
Mount	Rigid front axle and oscillating rear axle
Rear axle oscillation	Oscillation $\pm 11^\circ$ of center pin-loaded
Hub reduction	Planetary reduction at wheel end
Differential	Conventional
Reduction ratio	21.53

OVERVIEW			
Description		HL940A	HL940A XT
Operating weight		13,400 kg (29,540 lb)	13,860 kg (30,560 lb)
Bucket capacity	Heaped	2.3 m ³ (3.0 yd ³)	2.3 m ³ (3.0 yd ³)
	Struck	2.0 m ³ (2.62 yd ³)	2.0 m ³ (2.62 yd ³)
Breakout force-bucket		11,800 kg (26,020 lb)	11,940 kg (26,320 lb)
Tipping load	Straight	10,000 kg (22,050 lb)	8,150 kg (17,970 lb)
	Full turn	8,600 kg (18,960 lb)	7,050 kg (15,543 lb)

TYRES	
Type	Tubeless, loader design tyres
Standard	20.5 R25, ★, L3
Options include	20.5-25, 16PR, L3 20.5-25, 20PR, L5 20.5 R25, XHA2

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.

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 bar	
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.	
Cylinder	Type : double acting	
	No. of cylinders-bore × stroke	
	Lift	2-110 × 738 mm (4.3" × 29")
	HL960A Tilt	125 × 560 mm (4.9" × 1' 10")
	HL960AXT Tilt	125 × 580 mm (4.9" × 1' 11")
Cycle Time	Raise: 5.5 sec, Dump: 1.1 sec Lower: 3.0 sec, Total: 9.6 sec	

* Hyundai Bio Hydraulic Oil (HBHO) available

STEERING SYSTEM		
Type	Load sensing hydrostatic articulated steering	
Pump	Variable displacement piston pump, 149 lpm	
System Pressure	210 bar	
Cylinder	Double acting	2-65 × 429 mm (2.5" × 16.9")
Steering Angle	40° to both right and left angle, respectively	

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SERVICE REFILL CAPACITIES		
UNIT	l	US gal
Fuel tank	220.0	58
DEF tank	30.0	7.9
Cooling system	37.0	9.8
Crankcase	18.0	4.8
Transmission	34.7	9.2
Front axle	23.0	6.1
Rear axle	23.0	6.1
Hydraulic tank	90.0	23.8
Hydraulic system(Including tank)	130.0	34.3

AIR CONDITIONING SYSTEM	
The air condition system for the machine contains the fluorinated greenhouse gas with global warming potential of R134a. (Global Warming Potential : 1430) The system holds 0.75 kg refrigerant consisting of a CO ₂ equivalent 1.07 kg metric tonne. For more information, Please refer to the manual.	

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