

# SPECIFICATIONS

## HL930A

Powered By Cummins Performance Series Engine



\*Photo may include optional equipment



**Net Power**  
130 HP (97 kW) / 2,200 rpm

**Operating Weight**  
11,610 kg (25,595 lb) -  
11,700 kg (25,795 lb)

**Standard Bucket**  
1.90 m<sup>3</sup> / 2.50 yd<sup>3</sup>

 **HYUNDAI**  
CONSTRUCTION EQUIPMENT

# SPECIFICATIONS HL930A

ENGINE	
Maker / Model	CUMMINS / B4.5
Type	Tier 4F/ Stage V Emission Certified, 4 cylinder diesel engine with No Manual Regeneration.
Gross Power	133 hp (99 kW) @ 2,200 rpm
Net Power	130 hp (97 kW) @ 2,200 rpm
Max. Power	133 hp (99 kW) @ 2,200 rpm
Peak Gross Torque	467 lb-ft (633 N-m) @ 1,200 rpm
Displacement	4.5 l (275 cu in)
Compression Ratio	17.3: 1
Alternator	Brushless (24V-95 Amp)
Battery	2 x 12 V x 100 Ah
Starting motor	24 V - 7.8 kW

TRANSMISSION		
Torque Converter Type	Single-stage, single-phase	
* Fully 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, mph (km/h)	4 speed T/M	
Forward	1st	4.3 (6.9)
	2nd	7.9 (12.7)
	3rd	15.5 (24.9)
	4th	24.9 (40.4)
Reverse	1st	4.5 (7.3)
	2nd	8.3 (13.4)
	3rd	16.2 (24.9)

AXLES	
Drive System	Four-wheel drive system
Mount	Rigid front axle and oscillating rear axle
Front Axle	Fixed
Rear Axle Oscillation	Oscillating $\pm 12^\circ$ degrees
Hub Reduction	Planetary reduction at wheel end
Hydraulic	Locking Front / Conventional Rear
Reduction Ratio	21.533

HYDRAULIC SYSTEM		
Type	Load sensing hydraulic system	
Pump	Variable displacement piston pump, 34.9 gpm (132 lpm)	
Control valve	2 spool (Bucket, Boom) 3 spool (Bucket, Boom, Aux)	
System pressure	3,980 psi (274 bar)	
Maximum Operating Pressure	3,980 psi (280 kgf/cm <sup>2</sup> ) @ 2,230 rpm	
3rd Function Auxiliary Flow	Rated output flow	35.9 gpm (136 l /min)
	Maximum Pressure	427 psi (30 kgf/cm <sup>2</sup> )
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 x stroke:	
	Lift	3.9" X 2' 6" (2-100 X 750 mm)
	HL930A Tilt	4.3" X 1' 8" (110 X 510 mm)
Cycle Time	Raise: 5.8 sec, Dump: 1.5 sec	
	Lower: 3.6 sec, Total: 10.9 sec	

\* Hyundai Bio Hydraulic Oil (HBHO) available

OVERVIEW				
Description	Unit	HL930A	HL930A XT	
Operating weight	kg	11,610	11,700	
	lb	25,595	25,795	
Bucket capacity	Heaped	m <sup>3</sup>	1.90	1.90
		yd <sup>3</sup>	2.50	2.50
	Struck	m <sup>3</sup>	1.60	1.60
		yd <sup>3</sup>	2.10	2.10
Breakout force-bucket	kg	9,150	9,070	
	lb	20,175	20,000	
Tipping load	Straight	kg	9,350	8,200
		lb	20,615	18,080
	Full	kg	8,220	7,100
		lb	18,125	15,655

BRAKES	
Service Brakes	Hydraulically actuated, wet disc brakes actuate all 4 wheels independent axle-by-axle system. Self adjusting & wheel speed brake.
Travel Brake	Four-wheel, Outboard, wet-disc type, full hydraulic
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	Variable displacement piston pump, 34.9 gpm (132 lpm)
Relief Valve Setting	3,046 psi (210 bar)
Cylinder	Double acting 2.4" X 1' 4"mm (2-60 X 412)
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	50 US gal (189.5 l)
DEF tank	5.0 US gal (19.0 l)
Cooling system	8.3 US gal (31.5 l)
Crankcase	2.9 US gal (31.0 l)
Transmission	9.1 US gal (34.5 l)
Front axle	6.1 US gal (23.0 l)
Rear axle	6.1 US gal (23.0 l)
Hydraulic tank	23.8 US gal (90.0 l)
Hydraulic system (including tank)	34.3 US gal (130.0 l)

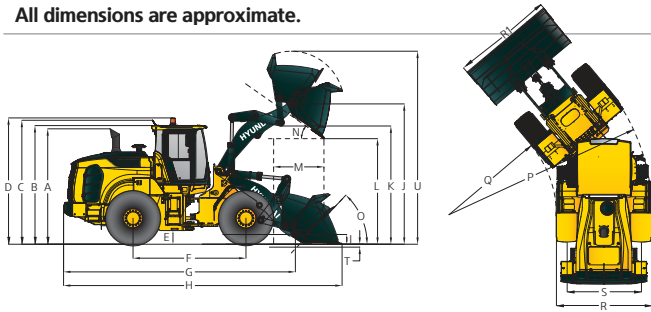
CABIN	
ROPS / FOPS Cabin Meet ISO 3471 and ISO 3449	

CAB NOISE LEVEL	
Guaranteed noise level presented below can be differed depending on a range of factors such as operating condition, speed of a cooling fan, types of engine and so forth. Hearing protection shall be necessary if an operator is working in the improperly maintained cabin or exposed to a noisy environment by leaving doors and/or windows open.	
With cooling fan speed at maximum value:	
Operator sound pressure level (ISO 6396:2008)	70 dB(A)
Exterior sound power level (ISO 6395:2008)	102 dB(A)
* Distance of 15 m (49.2 ft), moving forward in second gear ratio.	

TIRES	
Type	Tubeless, loader design tires
Standard	17.5 R25, ★★, L3
Options include	17.5 R25, ★, XHA

## HL930A DIMENSIONS

All dimensions are approximate.



Unit : mm (ftn)

Description	HL930A	HL930A XT
A Height to Top of Exhaust Pipe	9' 8" (2,945)	9' 8" (2,945)
B Height to Top of Cabin	10' 5" (3,170)	10' 5" (3,170)
C Height to Top of Product Link Antenna	10' 7" (3,235)	10' 7" (3,235)
D Height to Top of Warning Beacon	10' 10" (3,300)	10' 10" (3,300)
E Ground Clearance	1' 3" (370)	1' 3" (370)
F Wheelbase	9' 6" (2,900)	9' 6" (2,900)
G Overall Length (Without Bucket)	19' 12" (6,090)	20' 11" (6,380)
H Shipping Length (With Bucket Level on Ground)	23' 5" (7,125)	24' 4" (7,415)
I Hinge Pin Height at Carry Position	1' 4" (405)	1' 7" (495)
J Hinge Pin Height at Maximum Lift	11' 11" (3,640)	13' 1" (3,980)

Description	HL930A	HL930A XT
K Lift Arm Clearance at Maximum Lift	10' 3" (3,125)	11' 4" (3,465)
L Dump Clearance at Maximum Lift and 45° Discharge	8' 10" (2,700)	9' 11" (3,035)
M Reach at Maximum Lift and 45° Discharge	3' 6" (1,065)	3' 5" (1,035)
N Dump Angle at Maximum Lift and Dump (on Stops)	(48)	(48)
O Roll Back Angle	Ground	(42)
	Carry	(47)
P Clearance Circle (Diameter) to Outside of Tires	34' 8" (10,555)	34' 8" (10,555)
Q Clearance Circle (Diameter) to Inside of Tires	18' 9" (5,710)	18' 9" (5,710)
R Width Over Tires (Unloaded)	7' 10" (2,375)	7' 10" (2,375)
R1 Overall Width (with bucket)	8' 0" (2,450)	8' 0" (2,450)
S Tread Width	6' 4" (1,930)	6' 4" (1,930)

## HL930A OPERATING SPECIFICATIONS WITH BUCKETS

Linkage		General Purpose Pin On		ISO Quick Coupler	XT Boom Lift Linkage
Bucket Type		Bolt-On Cutting Edges		Bolt-On Cutting Edges	
Edge Type		Bolt-On-Teeth		Bolt-On Cutting Edges	
Capacity – Rated	m <sup>3</sup>	1.90	1.80	1.90	-
	yd <sup>3</sup>	2.50	2.40	2.50	-
Capacity – Rated at 110% Fill Factor	m <sup>3</sup>	2.10	2.00	2.10	-
	yd <sup>3</sup>	2.70	2.60	2.70	-
Width	mm	2,450	2,480	2,450	-
	ft/in	8' 0"	8' 2"	8' 0"	-
Dump Clearance at Maximum Lift and 45° Discharge	mm	2,700	2,620	2,550	335
	ft/in	8' 10"	8' 7"	8' 4"	1' 1"
Reach at Maximum Lift and 45° Discharge	mm	1,065	1,145	1,205	-30
	ft/in	3' 6"	3' 9"	3' 11"	-1.2"
Digging Depth	mm	105	115	105	15
	ft/in	0' 4"	0' 5"	0' 4"	0.6"
T Shipping Length (with Bucket)	mm	7,125	7,240	7,330	290
	ft/in	23' 5"	23' 9"	24' 1"	11.4"
U Overall Height with Bucket at Maximum Lift	mm	4,855	4,855	4,990	340
	ft/in	15' 11"	15' 11"	16' 4"	1' 1"
V Loader Clearance Circle	mm	11,660	11,750	11,780	280
	ft/in	38' 3"	38' 7"	38' 8"	11"
Static Tipping Load, Straight (No Tire Deflection)	kg	9,100	9,270	8,400	-900
	lb	20,065	20,440	18,520	-1,980
Static Tipping Load, Articulated (No Tire Deflection)	kg	8,000	8,150	7,380	-900
	lb	17,637	17,970	16,275	-1,980
Breakout Force	kg	9,150	9,770	7,620	-80
	lb	20,175	21,540	16,800	-175
Operating Weight*	kg	11,500	11,420	11,770	200
	lb	25,355	25,180	25,950	445

## HL930A/ HL930A XT BUCKET SELECTION CHART

Standard Lift Arm - General Purpose Bucket

Type	m <sup>3</sup> (yd <sup>3</sup> )	Material Density [ton / m <sup>3</sup> ]														
		1.0	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
Bolt-On Cutting Edge	1.9 (2.5)	1.9 m <sup>3</sup> (2.5 yd <sup>3</sup> )					1.5 m <sup>3</sup> (2.0 yd <sup>3</sup> )									
Bolt-On-Teeth	1.8 (2.4)						1.8 m <sup>3</sup> (2.4 yd <sup>3</sup> )					1.45 m <sup>3</sup> (1.9 yd <sup>3</sup> )				
Cutting Edge (ISO Quick Coupler)	1.9 (2.5)	1.9 m <sup>3</sup> (2.5 yd <sup>3</sup> )					1.5 m <sup>3</sup> (2.0 yd <sup>3</sup> )									

High Lift Arm (XT) - General Purpose Bucket

Type	m <sup>3</sup> (yd <sup>3</sup> )	Material Density [ton / m <sup>3</sup> ]														
		1.0	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
Bolt-On Cutting Edge	1.9 (2.5)	1.9 m <sup>3</sup> (2.5 yd <sup>3</sup> )					1.5 m <sup>3</sup> (2.0 yd <sup>3</sup> )									
Bolt-On-Teeth	1.8 (2.4)						1.8 m <sup>3</sup> (2.4 yd <sup>3</sup> )					1.45 m <sup>3</sup> (1.9 yd <sup>3</sup> )				
Cutting Edge (ISO Quick Coupler)	1.9 (2.5)	1.9 m <sup>3</sup> (2.5 yd <sup>3</sup> )					1.5 m <sup>3</sup> (2.0 yd <sup>3</sup> )									

ENGINE	STD	OPT
<b>ENGINE, CUMMINS, B4.5</b>		
3 Stage air precleaner	•	
Alternator, 95A	•	
Fuel warmer	•	
Engine oil level dipstick gauge	•	
Fuel / water separator	•	
WGT (Waste Gate Turbo)	•	
<b>CLEAN EMISSION MODULE</b>		
DOC, DPF and SCR	•	
Active Emission Regeneration (No Manual Regeneration Required)		
Stage V Certified Emissions	•	
EGR Free	•	
Automatic Regeneration	•	
<b>COOLING SYSTEM</b>		
Antifreeze	•	
Auto Reversing Fan (adjustable Time/ Interval Frequencies) w/ Manual Override	•	
Coolant Level Sight Gauge	•	
Fan guard	•	
Wide Fin Radiator	•	
<b>POWER TRAIN</b>		
<b>TRANSMISSION</b>		
Transmission F4/R3, computer controlled, electronic soft shift, auto-shift and kick-down features included	•	
Transmission oil sight level	•	
Wide Fin Transmission Oil Cooler	•	
<b>AXLE</b>		
Conventional (Rear)	•	
Hydraulic lock differential (Front)	•	
Limited slip differential (Front / Rear)		•
<b>BRAKE</b>		
Parking brake	•	
Service brake (Enclosed wet-disc)	•	
<b>TIRES</b>		
17.5 R25, ★★, L3	•	
17.5 R25, ★, XHA		•
<b>HYDRAULIC SYSTEM</b>		
Diagnostic pressure taps	•	
Hyundai Bio Hydraulic Oil (VG46)		•
Hydraulic oil level sight gauge	•	
Hydraulic Oil VG32		•
Hydraulic Oil VG46	•	
Wide Fin Hydraulic Oil Cooler	•	
<b>HYDRAULIC CONTROL</b>		
Fingertip		•
Joystick		•
<b>ELECTRO-HYDRAULIC CONTROL</b>		
Boom kickout, automatic	•	
Bucket positioner, automatic	•	
Extra piping for auxiliary function		•
Fingertip	•	
Joystick	•	
Quick coupler piping	•	
Ride control system	•	
<b>CAB &amp; INTERIOR</b>		
<b>ALARMS, AUDIBLE AND VISUAL</b>		
Air filter clogging	•	
Battery voltage	•	
Brake oil pressure	•	
DEF low level	•	
Engine coolant level	•	
Engine coolant temperature	•	
Engine oil pressure	•	
Fuel level	•	
Hydraulic oil temperature	•	
Parking brake	•	
Service brake oil pressure	•	
Seat belt ON/OFF	•	
Transmission error	•	
Transmission oil temperature	•	

CAB & INTERIOR	STD	OPT
<b>GAUGES</b>		
Diesel Exhaust Fluid (DEF) level	•	
Engine coolant temperature	•	
Fuel level	•	
Horn, electric	•	
Speedometer	•	
Transmission oil temperature	•	
<b>INDICATOR LIGHTS</b>		
Clutch Cut Off	•	
Differential Lock	•	
Engine auto stop	•	
FNR	•	
High beam	•	
Parking brake	•	
Pilot cut off	•	
Ride control	•	
Seat belt ON/OFF	•	
Turning light	•	
<b>LCD DISPLAY</b>		
Clock and fault code	•	
DEF level	•	
DEF low level	•	
Engine rpm	•	
Horn, electric	•	
Job time and distance	•	
Operating hour counter	•	
Transmission gear range	•	
<b>BATTERIES</b>		
850CCA, 12V, 2PCS	•	
<b>LIGHTING SYSTEM</b>		
Brake lights(Counterweight)	•	
LED dome light	•	
2 Head lights on front tower	•	
2 Head lights (LED) on front tower		•
2 Stop and tail lights	•	
4 Turn signals	•	
2 Working lights on front roof		•
4 Working lights 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	•	
2 Working lights (LED) on grill	•	
<b>SWITCHES</b>		
Battery master switch	•	
Differential Lock	•	
Emergency steering		•
FNR shifter	•	
Hazard	•	
Parking	•	
Pilot cut off	•	
<b>SYSTEM MEMORY SETTINGS</b>		
Autolube, integrated in secondary display		•
Auto position	•	
Beacon light		•
Fine modulation	•	
Main light	•	
Mirror heat	•	
Quick coupler	•	
Rear wiper	•	
Ride control	•	
Work light	•	
Work load	•	
<b>IGNITION</b>		
Key	•	
Push Start Button		•
<b>CAB (SOUND SUPPRESSED)</b>		
24V to 12V DC converter (20A)	•	
Coat hook	•	
Magazine pocket	•	
One door cab	•	
Radio / USB player	•	

CAB & INTERIOR	STD	OPT
<b>CAB(SOUND SUPPRESSED)</b>		
Rear view mirrors (1 Inside)	•	
Rear view mirrors (2 Outside, heated)	•	
Roller type sunshade (Front window)	•	
ROPS / FOPS CAB.	•	
Rubber floor mat	•	
Steering column, tilt and telescopic	•	
Steering wheel with knob	•	
Tinted safety glass	•	
Wrist rest	•	
<b>DOOR</b>		
Door and cab locks, one key	•	
Doors, service access (Locking)	•	
Doors, service access (Remote control)		•
<b>AUTOMATIC CLIMATE CONTROL</b>		
Air conditioner & heater	•	
Defroster	•	
Intermittent wiper and washer, front and rear	•	
<b>SEAT</b>		
3" Retractable seat belt & adjustable air suspension (Heated)	•	
<b>PERSONAL STORAGE SPACE</b>		
Console box	•	
Holder, can and cup	•	
<b>PEDALS</b>		
Accel pedal without ECO switch	•	
Dual-brake pedal		•
One accelerator pedal	•	
One brake pedal	•	
<b>SAFETY</b>		
Alarm, back-up	•	
Boom safety lock		•
Emergency steering		•
Emergency stop	•	
Fire extinguisher		•
<b>OBJECT DETECTION</b>		
AAVM - All Around View Monitoring		•
IMOD (Intelligent Moving Object Detection)		•
RADAR + Secondary Mornitor		•
<b>OTHERS</b>		
2nd Monitor		•
3 Spool MCV	•	
Air Compressor		•
Auto Engine Shut Down	•	
Auto Grease System		•
Articulation Locking Bar	•	
Heavy Counterweight	•	
Hi-Mate, Satellite		•
ISO Quick Coupler	•	
LED Beacon Lamp		•
License Plate & 10W LED Lamp		•
Lift and tie-down hooks	•	
Loader linkage, sealed	•	
Sun Shade on Rear Window of Cabin		•
Vandalism protection caplocks	•	
Wheel Chocks		•
<b>SAFETY</b>		
Handrails	•	
Ladders	•	
Platforms	•	
Steps	•	
<b>TELEMATICS</b>		
ECD (Engine Connected Diagnostics)	•	
Hi MATE	•	
<b>GUARDS</b>		
Belly-Pan Guard		•
Crankcase	•	
Fenders (Front)	•	
Fenders (Rear)		•
Transmission	•	

\* 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



www.hceamericas.com  
 6100 Atlantic Blvd., Norcross, GA 30071  
 TEL (678) 823-7777 FAX (678) 823-7778