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^3 / 2.50 yd^3

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 ±12 ° 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/cm²) @ 2,230 rpm
3rd Function Auxiliary Flow	Rated output flow	35.9 gpm (136ℓ /min)
	Maximum Pressure	427 psi (30 kgf/cm²)
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^3	1.90	1.90
		yd^3	2.50	2.50
	Struck	m^3	1.60	1.60
		yd^3	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)

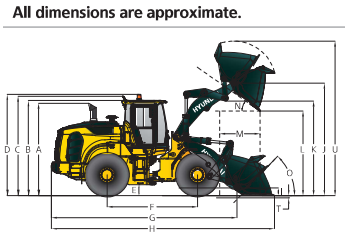
* Distance of 15 m (49.2 ft), moving forward in second gear ratio.

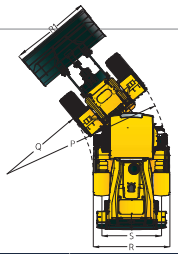
TIRES

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

HL930A DIMENSIONS

All dimensions are approximate.





	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)

Unit : mm (ft-in)

	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)	(42)
		Carry	(47)	(48)
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						
Edge Type			Bolt-On Cutting Edges	Bolt-On-Teeth	Bolt-On Cutting Edges	
Capacity – Rated		m^3	1.90	1.80	1.90	-
		yd^3	2.50	2.40	2.50	-
Capacity – Rated at 110% Fill Factor		m^3	2.10	2.00	2.10	-
		yd^3	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^3 (yd^3)	Material Density [ton / m^3] 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 2.5
Bolt-On Cutting Edge	1.9 (2.5)	1.9 m^3 (2.5 yd^3) — 1.5 m^3 (2.0 yd^3)
Bolt-On-Teeth	1.8 (2.4)	1.8 m^3 (2.4 yd^3) — 1.45 m^3 (1.9 yd^3)
Cutting Edge (ISO Quick Coupler)	1.9 (2.5)	1.9 m^3 (2.5 yd^3) — 1.5 m^3 (2.0 yd^3)

High Lift Arm (XT) – General Purpose Bucket

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

115% 100% 95%

ENGINE	STD	OPT
ENGINE, CUMMINS, B4.5		
3 Stage air precleaner	•	
Alternator, 95A	•	
Fuel warmer	•	
Engine oil level dipstick gauge	•	
Fuel / water separator	•	
WGT (Waste Gate Turbo)	•	
CLEAN EMISSION MODULE		
DOC, DPF and SCR	•	
Active Emission Regeneration (No Manual Regeneration Required)		
Stage V Certified Emmissions	•	
EGR Free	•	
Automatic Regeneration	•	
COOLING SYSTEM		
Antifreeze	•	
Auto Reversing Fan (adjustable Time/ Interval Frequencies) w/ Manual Override	•	
Coolant Level Sight Gauge	•	
Fan guard	•	
Wide Fin Radiator	•	

POWER TRAIN	STD	OPT
TRANSMISSION		
Transmission F4/R3, computer controlled, electronic soft shift, auto-shift and kick-down features included	•	
Transmission oil sight level	•	
Wide Fin Transmission Oil Cooler	•	
AXLE		
Conventional (Rear)	•	
Hydraulic lock differential (Front)	•	
Limited slip differential (Front / Rear)		•
BRAKE		
Parking brake	•	
Service brake (Enclosed wet-disc)	•	
TIRES		
17.5 R25, ★★, L3	•	
17.5 R25, ★, XHA		•

HYDRAULIC SYSTEM	STD	OPT
Diagnostic pressure taps	•	
Hyundai Bio Hydraulic Oil (VG46)		•
Hydraulic oil level sight gauge	•	
Hydraulic Oil VG32		•
Hydraulic Oil VG46	•	
Wide Fin Hydraulic Oil Cooler	•	
HYDRAULIC CONTROL		
Fingertip		•
Joystick		•
ELECTRO-HYDRAULIC CONTROL		
Boom kickout, automatic	•	
Bucket positioner, automatic	•	
Extra piping for auxiliary function		•
Fingertip	•	
Joystick	•	
Quick coupler piping	•	
Ride control system	•	

CAB & INTERIOR	STD	OPT
ALARMS, AUDIBLE AND VISUAL		
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
GAUGES		
Diesel Exhaust Fluid (DEF) level	•	
Engine coolant temperature	•	
Fuel level	•	
Horn, electric	•	
Speedometer	•	
Transmission oil temperature	•	
INDICATOR LIGHTS		
Clutch Cut Off	•	
Differential Lock	•	
Engine auto stop	•	
FNR	•	
High beam	•	
Parking brake	•	
Pilot cut off	•	
Ride control	•	
Seat belt ON/OFF	•	
Turning light	•	
LCD DISPLAY		
Clock and fault code	•	
DEF level	•	
DEF low level	•	
Engine rpm	•	
Horn, electric	•	
Job time and distance	•	
Operating hour counter	•	
Transmission gear range	•	
BATTERIES		
850CCA, 12V, 2PCS	•	
LIGHTING SYSTEM		
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	•	
SWITCHES		
Battery master switch	•	
Differential Lock	•	
Emergency steering		•
FNR shifter	•	
Hazard	•	
Parking	•	
Pilot cut off	•	
SYSTEM MEMORY SETTINGS		
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	•	
IGNITION		
Key	•	
Push Start Button		•
CAB (SOUND SUPPRESSED)		
24V to 12V DC converter (20A)	•	
Coat hook	•	
Magazine pocket	•	
One door cab	•	
Radio / USB player	•	

CAB & INTERIOR	STD	OPT
CAB(SOUND SUPPRESSED)		
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	•	
DOOR		
Door and cab locks, one key	•	
Doors, service access (Locking)	•	
Doors, service access (Remote control)		•
AUTOMATIC CLIMATE CONTROL		
Air conditioner & heater	•	
Defroster	•	
Intermittent wiper and washer, front and rear	•	
SEAT		
3" Retractable seat belt & adjustable air suspension (Heated)	•	
PERSONAL STORAGE SPACE		
Console box	•	
Holder, can and cup	•	
PEDALS		
Accel pedal without ECO switch	•	
Dual-brake pedal		•
One acceletator pedal	•	
One brake pedal	•	

SAFETY	STD	OPT
Alarm, back-up	•	
Boom safety lock		•
Emergency steering		•
Emergency stop	•	
Fire extinguisher		•
OBJECT DETECTION		
AAVM - All Around View Monitoring		•
IMOD (Intelligent Moving Object Detection)		•
RADAR + Secondary Mornitor		•

OTHERS	STD	OPT
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		•
SAFETY		
Handrails	•	
Ladders	•	
Platforms	•	
Steps	•	
TELEMATICS		
ECD (Engine Connected Diagnostics)	•	
Hi MATE	•	
GUARDS		
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

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CONSTRUCTION EQUIPMENT

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Printed in U.S.A.

1090-WL-SP 8/2020v24