



SPECIFICATIONS

HL930A™

Powered By Cummins Performance Series Engine



*Photo may include optional equipment.

Net Power
130 hp (97 kW)
at 2,200 rpm

Operating Weight
26,370 lb (11,960 kg)

Standard Bucket
2.5 yd³ (1.9 m³)

**building a
comfortable
tomorrow**

HL930A™ SPECIFICATIONS

ENGINE

Make / Model	CUMMINS / B4.5
Type	Tier 4 Final/ 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 Nm) @ 1,200 rpm
Displacement	4.5 l (275 in³)
Compression Ratio	17.2:1
Alternator	Brushless, 24 V, 95 A
Battery	2 x 12 V x 100 Ah
Starting Motor	24 V, 4.8 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

4-speed transmission		
Forward	1st	4.1 (6.6)
	2nd	7.5 (12.1)
	3rd	14.7 (23.6)
	4th	24.5 (39.5)
Reverse	1st	4.3 (7.0)
	2nd	7.9 (12.7)
	3rd	15.4 (24.8)

AXLES

Drive System	Four-wheel drive
Mount	Rigid front axle and oscillating rear axle
Front Axle	Fixed
Rear Axle Oscillation	±11° degrees
Hub Reduction	Planetary reduction at wheel end
Differential	Hydraulically locking front/ conventional rear
Reduction Ratio	20.365

HYDRAULIC SYSTEM

Type	Load sensing hydraulic system
PUMP	
Type	Variable-displacement piston pump
Flow	gpm (l/min) 34.9 (132)
Control valve	3-spool (bucket, boom, aux)
System pressure	psi (bar) 3,626 (250)
3rd Function	Rated output flow gpm (l/min) 34.8 (132)
Auxiliary Flow	Maximum Pressure psi (bar) 3,626 (250)
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.

CYLINDERS

Type	Double acting
No. of Cylinders.	Lift (2) ft in (mm) 3.9" x 2' 6" (100 x 762)
Bore x Stroke	Tilt (2) (mm) 3.5" x 2' 6.5" (90 x 775)
Cycle Times	Raise sec 5.8
	Dump 2.2
	Lower 3.6
	Total 11.6

* Hyundai Bio Hydraulic Oil (HBHO) available

OVERVIEW

Operating weight	lb (kg)	26,370 (11,960)
Bucket capacity	Heaped yd³ (m³)	2.5 (1.9)
	Struck	1.8 (1.4)
Bucket digging force		21,940 (9,950)
Tipping load	Straight lb (kg)	17,860 (8,100)
	Full	15,545 (7,050)

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	
Type	Variable-displacement piston pump
Flow	gpm (l/min) 34.9 (132)
Relief Valve Setting	psi (bar) 3,046 (210)
CYLINDERS	
Type	Double acting
No. of Cylinders – Bore x Stroke	ft in (mm) 2 – 2.4" x 1' 4" (60 x 406)
Steering Angle	40° to both right and left
Features	Center-point frame articulation. Tilt and telescopic steering column.

SERVICE REFILL CAPACITIES

Fuel tank	50.0 (189.0)
DEF tank	5.0 (19.0)
Cooling system	8.3 (31.5)
Crankcase	2.9 (11.0)
Transmission	9.1 (34.5)
Front axle	6.1 (23.0)
Rear axle	6.1 (23.0)
Hydraulic tank	23.8 (90.0)
Hydraulic system (including tank)	34.3 (130.0)

CABIN

ROPS / FOPS Cabin Meets ISO 3471 and ISO 3449

CABIN NOISE LEVEL

Guaranteed noise levels presented below can differ depending on a range of factors, such as operating conditions, cooling fan speed, engine type, and so forth. Hearing protection may be necessary if an operator is working in an 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)

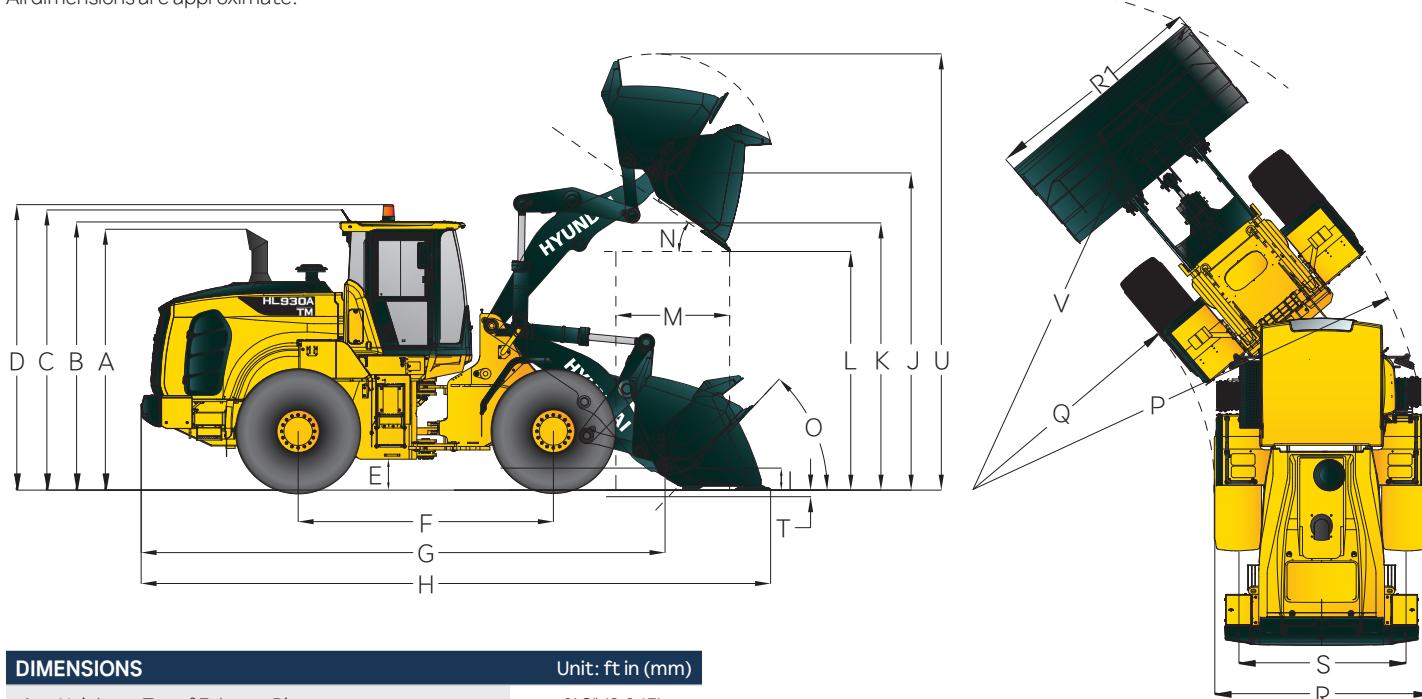
* Distance of 49.2 ft (15 m), moving forward in second gear ratio.

TIRES

Type	Tubeless, loader design tires
Standard	Triangle 17.5 R25, ★★, L3

HL930A™ DIMENSIONS

All dimensions are approximate.



DIMENSIONS		Unit: ft in (mm)
A	Height to Top of Exhaust Pipe	9' 8" (2,945)
B	Overall height (Height to Top of Cabin)	10' 5" (3,170)
C	Height to Top of Product Link Antenna	10' 7" (3,235)
D	Height to Top of Warning Beacon	10' 10" (3,300)
E	Ground Clearance	1' 3" (370)
F	Wheelbase	9' 6" (2,900)
G	Overall Length (without Bucket)	20' 2" (6,150)
H	Shipping Length (with Bucket Level on Ground)	23' 9" (7,230)
I	Hinge Pin Height at Carry Position	1' 4" (415)
J	Hinge Pin Height at Maximum Lift	12' 5" (3,795)
L	Dump Clearance at Maximum Lift and 45° Discharge	9' 2" (2,785)
M	Reach at Maximum Lift and 45° Discharge	3' 10' (1,160)

DIMENSIONS		Unit: ft in (mm)
N	Dump Angle at Maximum Lift and Dump (on Stops)	50°
O	Ground Roll Back Angle	49°
Q	Carry Roll Back Angle	53°
P	Clearance Circle (Diameter) to Outside of Tires	34' 8" (10,555)
Q	Clearance Circle (Diameter) to Inside of Tires	18' 5" (5,710)
	Turning Radius (Center of Outside Tire)	16' 7" (5,050)
R	Width Over Tires (Unloaded)	7' 10" (2,375)
R1	Overall Width (with Bucket)	7' 10" (2,400)
S	Tread Width	6' 4" (1,930)
	Gradeability	30°

OPERATING SPECIFICATIONS WITH BUCKETS

Linkage Bucket Type	Tool Master HCE QC	Tool Master ISO QC
Bucket Type	General Purpose—Hook on	General Purpose—Hook on
Edge Type	Bolt-On Cutting Edges	Bolt-On Cutting Edges
Capacity—Rated	2.2 (1.7)	2.5 (1.9)
Capacity—Rated at 110% Fill Factor	2.4 (1.9)	2.7 (2.1)
Width	7' 10" (2,400)	8' 0" (2,450)
Dump Clearance at Maximum Lift and 45° Discharge	9' 2" (2,785)	8' 7" (2,615)
Reach at Maximum Lift and 45° Discharge	3' 10" (1,160)	4' 4" (1,330)
T Digging Depth	0' 4" (95)	0' 4" (95)
H Shipping Length (with Bucket)	23' 9" (7,230)	24' 6" (7,470)
U Overall Height with Bucket at Maximum Lift	16' 1" (4,900)	16' 11" (5,150)
V Loader Clearance Circle	38' 2" (11,640)	38' 9" (11,810)
Static Tipping Load. Straight (No Tire Deflection)	17,860 (8,100)	16,760 (7,600)
Static Tipping Load. Articulated (No Tire Deflection)	16,545 (7,050)	14,555 (6,600)
Breakout Force	21,940 (9,950)	17,840 (8,090)

ENGINE	
ENGINE, CUMMINS, B4.5	
3-stage air precleaner	●
Alternator, 95 A	●
Fuel warmer	●
Engine oil level dipstick gauge	●
Fuel / water separator	●
VGT (Variable Geometry Turbo)	●
CLEAN EMISSION MODULE	
DOC, DPF and SCR	●
Tier 4 Final	●
EGR Free	●
COOLING SYSTEM	
Antifreeze	●
Auto-reversing fan (adjustable time/interval frequencies) with manual override	●
Coolant-level sight gauge	●
Fan guard	●
Wide-fin radiator	●
POWER TRAIN	
TRANSMISSION	
Transmission F4/R3, computer controlled, electronic soft shift, auto-shift and kickdown features included	●
Transmission F5/R3, with lockup clutch	○
Wide-fin transmission oil cooler	●
AXLE	
Front differential lock / Rear conventional Axle	●
Front differential lock / Rear LSD Axle	○
BRAKE	
Parking brake	●
Service brake (enclosed wet-disc)	●
TIRES	
Triangle 17.5 R25, ★★, L3	●
HYDRAULIC SYSTEM	
Diagnostic pressure taps	●
Hyundai Bio Hydraulic Oil (VG46)	○
Hydraulic oil level sight gauge	●
Hydraulic oil VG32	○
Hydraulic oil VG46	●
Wide-fin hydraulic oil cooler	●
ELECTRO-HYDRAULIC CONTROL	
Boom kickout, automatic	●
Bucket positioner, automatic	●
Extra piping for auxiliary function	●
Joystick	●
Fingertip	○
Quick coupler piping	●
Ride control system	●
CABIN & INTERIOR	
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	●
Seatbelt ON/OFF	●
Transmission error	●
Transmission oil temperature	●

CABIN & INTERIOR	
GAUGES	
Diesel Exhaust Fluid (DEF) level	●
Engine coolant temperature	●
Fuel level	●
Horn, electric	●
Speedometer	●
Transmission oil temperature	●
INDICATOR LIGHTS	
Clutch cutoff	●
Differential lock	●
Engine auto stop	●
FNR	●
High beam	●
Parking brake	●
Pilot cutoff	●
Ride control	●
Seatbelt 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	
850 CCA, 12 V, 2 PCS	●
LIGHTING SYSTEM	
Brake lights (counterweight)	●
LED dome light	●
2 headlights on front tower	●
2 headlights (LED) on front tower	○
2 stop and tail lights	●
4 turn signals	●
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 grille	●
2 working lights (LED) on grille	○
SWITCHES	
Battery master switch	●
Differential lock	●
Emergency steering	○
FNR shifter	●
Hazard	●
Parking	●
Pilot cutoff	●
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)	
24 V to 12 V DC converter, 20 A	●
Coat hook	●
Magazine pocket	●
One door cab	●
Radio / USB player	●

CABIN & INTERIOR	
CAB(SOUND SUPPRESSED)	
Rearview mirrors (1 inside)	●
Rearview mirrors (2 outside, heated)	●
Roller type sunshade (front window)	●
ROPS / FOPS cabin	●
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 and heater	●
Defroster	●
Intermittent wiper and washer, front and rear	●
SEAT	
3" retractable seatbelt and adjustable air-suspension (heated)	●
PERSONAL STORAGE SPACE	
Console box	●
Holder, can and cup	●
PEDALS	
Accelerator pedal without ECO switch	●
One accelerator pedal	●
One brake pedal	●
Dual-brake pedal	○
SAFETY	
Alarm, backup	●
Boom safety lock	○
Emergency steering	○
Emergency stop	●
Fire extinguisher	○
AAVM - All Around View Monitoring	○
IMOD (Intelligent Moving Object Detection)	○
RADAR + Secondary monitor	○
OTHERS	
2nd monitor	○
3-spool MCV	●
Air compressor	○
Auto engine shut down	●
Auto grease system	○
Articulation locking bar	●
Heavy counterweight	●
ISO quick coupler	●
LED beacon lamp	○
License plate and 10 W 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-Mobile (4G)	●
Hi MATE-Satellite	○
GUARDS	
Belly-pan guard	○
Crankcase	●
Transmission	●
Fenders (front)	●
Fenders (rear)	○
Cabin-front and rear guard	○

* 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.

