

SPECIFICATIONS

HX130^A LCR

Powered By Cummins Performance Series Engine



HD HYUNDAI
CONSTRUCTION EQUIPMENT

Net Power
72 HP (54 kW) /
2,200 rpm

Standard Bucket
.50 m³ / .65 yd³

Operating Weight
29,640 lbs (13,445 kg)

OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 4.3 m (14' 1") boom, 2.83 m (9' 3") arm, SAE heaped 0.50 m³ (0.65 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipment.

OPERATING WEIGHT

Shoes		Operating Weight		Ground Pressure
Type	Width mm (in)	kg (lb)		kgf / cm ² (psi)
Triple grouser	500 (20")	HX130A LCR	13,265 (29,240)	0.44 (6.26)
		HX130A LCR (Rubber pad)	13,420 (29,590)	0.44 (6.22)
		HX130A LCRD	14,090 (31,060)	0.47 (6.64)
	600 (24")	HX130A LCR (Rubber pad)	14,240 (31,390)	0.46 (6.59)
		HX130A LCR	13,445 (29,640)	0.37 (5.28)
		HX130A LCR (HD grouser)	13,770 (30,360)	0.38 (5.4)
	700 (28")	HX130A LCRD	14,275 (31,470)	0.39 (5.6)
		HX130A LCR (HD grouser)	14,600 (32,190)	0.40 (5.73)
		HX130A LCR	13,605 (29,990)	0.32 (4.58)
	700 (28")	HX130A LCR (HD grouser)	13,970 (30,800)	0.33 (4.71)
		HX130A LCRD	14,445 (31,850)	0.34 (4.86)
		HX130A LCR (HD grouser)	14,810 (32,650)	0.35 (4.98)

SWING SYSTEM

Swing motor	Two fixed displacement axial piston motor
Swing reduction	2-stage planetary
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	12.4 rpm

COOLANT & LUBRICANT CAPACITY

	US gal	liter
Fuel tank	64.4	240
Engine coolant	6.47	24.5
Engine oil	7.9	30
Swing device	0.9	3.5
Final drive (Each)	0.6	2.3
Hydraulic system (Including Tank)	42.2	160
Hydraulic tank	25.3	96

UNDERCARRIAGE

The X-leg type center frame is integrally welded with reinforced box-section track frames. The undercarriage includes lubricated rollers, idlers, track adjusters with shock absorbing springs and sprockets, and a track chain with double or triple grouser shoes.

Center frame	X-Leg Type
Track frame	Pentagonal Box Type
No. of Shoes on each side	43
No. of Carrier roller	2 x 1
No. of Track roller	2 x 6
No. of Rail guard	2 ea

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 may be necessary if an operator is working in the improperly airtained 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)	72 dB(A)
Exterior sound power level (ISO 6395:2008)	99 dB(A)

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

ENGINE

Maker / Model	Cummins F3.8
Type	Tier 4F/ Stage V Emission Certified, 4 cylinder diesel engine with no manual regeneration.
Rated flywheel power	J1995 (gross) 55 kW (74 HP) at 2,200 rpm
SAE horse power	J1349 (net) 54 kW (72 HP) at 2,200 rpm
Max. torque	55 kW (74 hp) at 2,200 rpm
Peak torque	400 N·m (295 lb·ft) at 1,300 rpm
Displacement	3.8 ℓ (229 cu in)

HYDRAULIC SYSTEM

MAIN PUMP

Type	Variable displacement tandem axis piston pumps
Max. flow	2 x 123.5 ℓ/min (2 x 32.6 U.S. gpm)

AUXILIARY PRESSURE

2 Way	Flow (ℓ/min)	13~69 gpm / (50~260 lpm)
	Pressure (bar)	1,450~5,076 psi / (100~350 bar)
Rotating	Flow (ℓ/min)	11 gpm / (39.9 lpm)
	Pressure (bar)	2,321 psi / (160 bar)

PILOT PUMP

Type	Fixed displacement gear pump single stage
Max. flow	27 ℓ/min (7.1 U.S. gpm)

HYDRAULIC MOTORS

Travel	Variable displacement axial piston motor
Swing	Two fixed displacement axial piston motor

RELIEF VALVE SETTING

Implement circuits	330 kgf/cm ² (4,700 psi)
Travel	350 kgf/cm ² (4,980 psi)
Power boost (Boom, Arm, Bucket)	360 kgf/cm ² (5,130 psi)
Swing circuit	280 kgf/cm ² (3,990 psi)
Pilot circuit	40 kgf/cm ² (569 psi)
Service valve	Installed

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. Drawbar pull	11,948 kgf (26,340 lbf)
Max. Travel speed (High / Low)	3.0 km/hr (1.9 mph) / 5.2 km/hr (3.2 mph)
Gradeability	35° (70%)
Parking brake	Multi wet disc

CONTROL

Pilot pressure operated joysticks and pedals with detachable lever provide almost effortless and fatigueless operation.

Pilot control	Two joysticks with one safety lever (LH) : Swing and arm, (RH) : Boom and bucket
Traveling and Steering	Two levers with pedals
Engine throttle	Electric, dial type

SPECIFICATIONS HX130A LCR

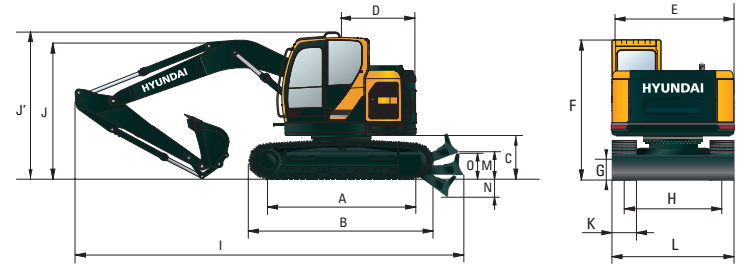
Powered By Cummins Performance Series Engine

HX130A LCR DIMENSIONS

Unit: ft-in (mm)

4.30 m (14' 1") BOOM and 1.96 m (6' 5"), 2.26 m (7' 5"), 2.81 m (9' 3") ARM

A Tumbler Distance	9' 1"	(2,780)
B Undercarriage Length (with Grouser)	11' 6"	(3,497)
C Ground Clearance of Counter Weight	2' 11"	(900)
D Tail Swing Radius	5' 0"	(1,520)
D' Rear-End Length	5' 0"	(1,520)
E Overall Width of Upper Structure	8' 2"	(2,485)
F Overall Height of Cab	9' 5"	(2,860)
G Min. Ground Clearance	1' 5"	(435)
H Track gauge	6' 6"	(1,990)
J' Overall Height of Guardrail	10' 1"	(3,080)

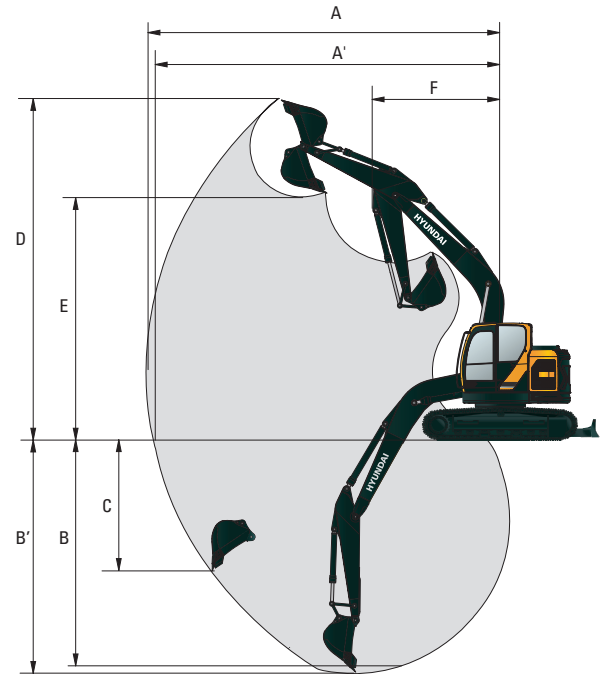


Boom Length	4,300 (14' 1")		
Arm Length	1,960 (6' 5")	2,260 (7' 5")	2,810 (9' 3")
I Overall Length	6,820 (22' 5")	6,850 (22' 6")	6,805 (22' 4")
J Overall Height of Boom	2,570 (8' 5")	2,760 (9' 1")	3,080 (10' 1")
K Track Shoe Width	500 (20")	600 (24")	700 (28")
L Overall Width	2,490 (8' 2")	2,590 (8' 6")	2,690 (8' 10")
**M Ground clearance of blade up	550 (1' 10")		
**N Depth of blade down	515 (1' 8")		
**O Height of blade	575 (1' 11")		

HX130A LCR WORKING RANGE

Unit: ft-in (mm)

Boom Length	4,300 (14' 1")		
Arm Length	1,960 (6' 5")	2,260 (7' 5")	2,810 (9' 3")
A Max. Digging Reach	7,470 (24' 6")	7,745 (25' 5")	8,270 (27' 2")
A' Max. Digging Reach on Ground	7,310 (24' 0")	7,600 (24' 11")	8,140 (26' 8")
B Max. Digging Depth	4,790 (15' 9")	5,090 (16' 8")	5,640 (18' 6")
B' Max. Digging Depth (8' Level)	4,530 (14' 10")	4,860 (15' 11")	5,450 (17' 11")
C Max. Vertical Wall Digging Depth *	4,330 (14' 10")	4,630 (15' 2")	5,170 (17' 11")
D Max. Digging Height	7,975 (26' 2")	8,165 (26' 9")	8,540 (28' 0")
E Max. Dumping Height	5,530 (18' 2")	5,710 (18' 9")	6,090 (20' 0")
F Min. Swing Radius	2,275 (7' 6")	2,340 (7' 8")	2,470 (8' 1")



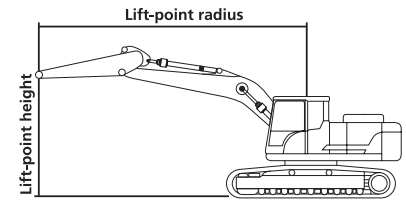
HX130A LCR DIGGING FORCE

Boom	Length	mm (ft.in)	4,300 (14' 1") Mono Boom			Remark
	Weight	kg (lb)	935 (2,060)			
Arm	Length	mm (ft.in)	1,960 (6' 5")	2,260 (7' 5")	2,810 (9' 3")	
	Weight	kg (lb)	573 (1,260)	601 (1,320)	664 (1,460)	
Bucket Digging Force	SAE	kN	83 [91]	84 [91]	84 [91]	[] : Power Boost
		kgf	8,479 [9,249]	8,511 [9,285]	8,512 [9,285]	
		lbf	18,62 [20,391]	18,764 [20,470]	18,765 [20,471]	
	ISO	kN	98 [107]	98 [107]	98 [107]	
		kgf	9,952 [10,857]	9,990 [10,899]	9,991 [10,899]	
		lbf	21,940 [23,934]	22,025 [24,027]	22,026 [24,029]	
Arm Crowd Force	SAE	kN	59 [65]	55 [60]	48 [52]	
		kgf	6,055 [6,605]	5,613 [6,123]	4,851 [5,292]	
		lbf	13,349 [14,562]	12,374 [13,499]	10,695 [11,667]	
	ISO	kN	62 [68]	58 [63]	50 [54]	
		kgf	6,364 [6,943]	5,877 [6,411]	5,044 [5,503]	
		lbf	14,031 [15,306]	12,957 [14,134]	11,121 [12,132]	

Note : Boom weight includes arm cylinder, piping, and pin
Arm weight includes bucket cylinder, linkage, and pin

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Lifting Capacity (Without Dozer)

Boom: 4.3 m (14' 1")

Arm: 2.83 m (9' 3")

Shoe 600 mm (24") triple grouser, CWT 2,450 kg (5,400 lb)

Capacities based on North American Standard Configuration
in accordance with ISO condition 2 standard.

Rating over front

Rating over side or 360 degrees

Lift-point height (A)		Lift-point radius (B)								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m (19.7 ft)	kg lb					*2480 *5470	*2480 *5470			*1770 *3900	*1770 *3900	5.34 (17.5)
4.5 m (14.8 ft)	kg lb					*2560 *5640	*2560 *5640	*2380 *5250	2060 4540	*1610 *3550	*1610 *3550	6.33 (20.8)
3.0 m (9.8 ft)	kg lb			*3800 *8380	*3800 *8380	*3220 *7100	3180 7010	2690 5930	2020 4450	*1590 *3510	*1590 *3510	6.86 (22.5)
1.5 m (4.9 ft)	kg lb			*6260 *13800	5510 12150	4080 8990	2980 6570	2610 5750	1940 4280	*1660 *3660	1510 3330	7.03 (23.1)
0.0 m (0.0 ft)	kg lb			*7730 *17040	5140 11330	3900 8600	2810 6190	2530 5580	1860 4100	*1840 *4060	1530 3370	6.87 (22.5)
-1.5 m (-4.9 ft)	kg lb	*4140 *9130	*4140 *9130	7600 16760	5040 11110	3820 8420	2740 6040	2500 5510	1830 4030	*2220 *4890	1700 3750	6.35 (20.8)
-3.0 m (-9.8 ft)	kg lb	*7290 *16070	*7290 *16070	*7460 *16450	5100 11240	3840 8470	2760 6080			2970 6550	2170 4780	5.38 (17.6)

Lifting Capacity (Dozer Down)

Boom: 4.3 m (14' 1")

Arm: 2.81 m (9' 3")

Shoe 600 mm (24") triple grouser, CWT 2,450 kg (5,400 lb)

Capacities based on North American Standard Configuration
in accordance with ISO condition 2 standard.

Rating over front

Rating over side or 360 degrees

Lift-point height m (ft)		Lift-point radius								At max. reach		
		1.5 m (4.9 ft)		3.0 m (9.8 ft)		4.5 m (14.8 ft)		6.0 m (19.7 ft)		Capacity		Reach
												m (ft)
6.0 m	kg					*2480	*2480			*1770	*1770	5.34
19.7 ft	lb					*5470	*5470			*3900	*3900	(17.5)
4.5 m	kg					*2560	*2560	*2380	2360	*1610	*1610	6.33
14.8 ft	lb					*5640	*5640	*5250	5200	*3550	*3550	(20.8)
3.0 m	kg			*3800	*3800	*3220	*3220	*2990	2310	*1590	*1590	6.86
9.8 ft	lb			*8380	*8380	*7100	*7100	*6590	5090	*3510	*3510	(22.5)
1.5 m	kg			*6260	*6260	*4150	3420	*3390	2230	*1660	*1660	7.03
4.9 ft	lb			*13800	*13800	*9150	7540	*7470	4920	*3660	*3660	(23.1)
Ground Line	kg			*7840	6020	*4940	3260	*3750	2160	*1840	1780	6.87
	lb			*17280	13270	*10890	7190	*8270	4760	*4060	3920	(22.5)
-1.5 m	kg	*4140	*4140	*8160	5920	*5280	3180	*3840	2130	*2220	1970	6.35
-4.9 ft	lb	*9130	*9130	*17990	13050	*11640	7010	*8470	4700	*4890	4340	(20.8)
-3.0 m	kg	*7290	*7290	*7460	5970	*4910	3200			*3130	2510	5.38
-9.8 ft	lb	*16070	*16070	*16450	13160	*10820	7050			*6900	5530	(17.6)

NOTES:

- Lifting capacities are based on ISO 10567.
- Lifting capacity of the HX Series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

- The Lift-point is the bucket pivot mounting pin on the arm (without bucket mass).
- (*) indicates load limited by hydraulic capacity.

ENGINE	STD	OPT
Cummins F3.8		
Engine Auto Idle	•	
Engine Auto Shutdown Control	•	
Emergency Engine Stop Switch	•	
HYDRAULIC SYSTEM	STD	OPT
INTELLIGENT POWER CONTROL (IPC) UPGRADE		
3-Power Mode, 2-Work Mode, User Mode	•	
Variable Power Control	•	
Pump Flow Control	•	
Attachment Mode Flow Control	•	
Hyundai Bio Hydraulic oil (HBHO)		•
CAB & INTERIOR	STD	OPT
ISO STANDARD CABIN		
Rise-Up Type Windshield Wiper	•	
Radio / USB Player	•	
Handsfree Mobile Phone System with USB	•	
12V Power Outlet (24V DC to 12V DC converter)	•	
Electric Horn	•	
All-Weather Steel Cab with 360° Visibility	•	
Safety glass - Tempered glass	•	
Safety glass - Tempered glass with front laminated glass		•
Sliding Fold-In Front Window	•	
Sliding Side Window (LH)	•	
Lockable Door	•	
Hot & Cool Box	•	
Storage Compartment	•	
Transparent Cabin Roof-Cover	•	
Sun Visor	•	
Door And Cab Locks, One Key	•	
Mechanical Suspension Seat With Heater	•	
Pilot-Operated Slidable Joystick	•	
Console Box Height Adjust System	•	
AUTOMATIC CLIMATE CONTROL		
Air Conditioner & Heater	•	
Defroster	•	
Starting Aid (Air Grid Heater) for Cold Weather	•	
CENTRALIZED MONITORING		
8" LCD Display	•	
Engine Speed or Trip Meter / Accel.	•	
Engine Coolant Temperature Gauge	•	
Max Power	•	
Low Speed / High Speed	•	
Auto Idle	•	
Overload warning with alarm	•	
Check Engine	•	
Air Cleaner Clogging	•	
Indicators	•	
ECO Gauges	•	
Fuel Level Gauge	•	
Hyd. Oil Temperature Gauge	•	
Fuel Warmer	•	
Warnings	•	
Communication Error	•	
Low Battery	•	
Clock	•	
Cabin Lights	•	
Cabin Front Window Rain Guard		•
Cabin Roof-Steel Cover		•
SEAT		
Adjustable Air Suspension Seat With Heater	•	

CAB & INTERIOR	STD	OPT
CABIN FOG (ISO 10262) LEVEL 2		
FOG (Falling Object Protective Structure)-ISO 10262 Level 2		•
CABIN ROPS		
ROPS (Roll Over Protective Structures)-ISO 12117-2	•	
SAFETY	STD	OPT
Lifting Mode	•	
Auto Safety Lock	•	
Seatbelt Warning Alarm	•	
Battery Master Switch	•	
Rear View Camera	•	
AAVM (Advanced Around View Monitoring)		•
Four Front Working Lights (2 Boom Mounted, 2 Front Frame Mounted)	•	
Travel Alarm	•	
Beacon Lamp		•
Automatic Swing Brake	•	
Boom Holding System	•	
Arm Holding System	•	
Safety Lock Valve For Boom Cylinder With Overload Warning		•
Safety Lock Valve For Arm Cylinder		•
Swing Lock System		•
Three Outside Rearview Mirror	•	
ATTACHMENT	STD	OPT
Booms		
4.3 m, 14' 1" Mono	•	
4.56 m, 14' 11" 2-Piece		•
Arms		
1.96 m, 6' 5"		•
2.26 m, 7' 5"		•
2.81 m, 9' 3"	•	
OTHER	STD	OPT
Fuel Pre-Filter	•	
Fuel Warmer	•	
Pre-Cleaner		•
Self-Diagnostics System	•	
Hi MATE (Remote Management System)	•	
Batteries (2 x 12 V x 72 AH)	•	
2-Way Aux. - Foot Pedal+Fingertip Control		•
Rotating Piping Kit		•
Air Compressor		•
Quick Coupler Piping	•	
Quick Coupler	•	
One Pedal Straight Travel System		•
Accumulator For Lowering Work Equipment	•	
Pattern Change Valve (2 Patterns)	•	
Fine (Cushion/Free) Swing Control		•
Counter weight		
Counter Weight 4,630 lb (2,100 kg)		•
Heavy Counter Weight 5,401 lbs (2,450 kg)	•	
UNDERCARRIAGE	STD	OPT
Lower Frame Under Cover	•	
Track Shoes		
Triple Grousers Shoes (500 mm, 20")		•
Triple Grousers Shoes (600 mm, 24")	•	
Triple Grousers Shoes (600 mm, 24") - HD Type		•
Triple Grousers Shoe (700 mm, 28")		•
Triple Grousers Shoe (700 mm, 28") - HD Type		•
Rubber Pad (500 mm, 20")		•
Track 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.