MOVING YOU FURTHER

HX130LCR

With Tier4 final / Stage IV Engine installed

Net Power	Gross Power	Travel Speed	Operating Weight
SAE J1349 / 71 HP (53 kW) at 2,200 rpm	SAE J1995 / 74 HP (55 kW) at 2,200 rpm	5.5 km/hr (3.4 mph) / 3.3 km/hr (2.1 mph)	12,700 kg (27,999 lb)

Hyundai HX130LCR 13T Excavator

ENGINE		
Maker / Model		Perkins 854F
Type		Water cooled, 4 cycle Diesel, 4 cylinders in line, direct injection turbocharged charger and air cooled
Rated Flywheel SAE Horse Power DIN	J1995 (gross) J1349 (net)	74 HP (55 kW) / 2,200 rpm
		71 HP (53 kW) / 2,200 rpm
	6271/1 (gross) 6271/1 (net)	75 PS (55 kW) / 2,200 rpm
		72 PS (53 kW) / 2,200 rpm
Max. Torque		43 kgf. m(313 lbf. ft) / 1,200 rpm
Bore X Stroke		99 x 110 mm (389 x 433)
Piston Displacement		3,400 cc (207.5 in3)
Batteries		2 X 12V X 100 AH
Starting Motor		24V- 4.5 kW
Alternator		24V- 65 Amp

HYDRAULIC SYSTEM		
MAIN PUMP		
Type		Variable displacement tandem axis piston pumps
Max. Flow		2 X 126 L/min (22.7 UK gpm)
Sub-pump for pilot circuit		Gear Pump
HYDRAULIC MOTORS		
Travel		Two speed axial pistons motor with brake valve and parking brake
Swing		Axial piston motor with automatic brake
RELIEF VALVE SETTING		
Implement circuits		330 kgf/cm² (4690 psi)
Travel		330 kgf/cm² (4690 psi)
Power boost (boom, arm, bucket)		360 kgf/cm² (5120 psi)
Swing circuit		285 kgf/cm² (4050 psi)
Pilot Circuit		40 kgf/cm² (570 psi)
Service Valve		Installed
HYDRAULIC CYLINDERS		
No. of cylinder bore X stroke		Boom: 2-95 X 1015mm
		Arm: 1-110 X 1070mm
		Bucket: 1-100 x 855mm
		Blade: 2-100 X 240mm
	2pcs Boom	1st: 2-95 X 1015mm
		2nd: 1-145 X 613mm

DRIVES & BRAKES	
Drive Method	Fully hydrostatic type
Drive Motor	Axial piston motor, in-shoe design
Reduction System	Planetary reduction gear
Max. Drawbar Pull	11,40 kgf
Max. Travel Speed (high/low)	3.4 mph / 2.1 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 (ISO)
Traveling and steering	Two levers with pedals
Engine throttle	Electric, dial type

SWING SYSTEM	
Swing Motor	Fixed displacement axial piston motor
Swing Reduction	Planetary Gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc
Swing speed	12.6 rpm

COOLANT & LUBRICANT CAPACITY		
Re-filling	Litre	UK Gal
Fuel Tank	240	52.8
Engine Coolant	19.5	4.3
Engine Oil	8	1.8
Swing Device-gear oil	2.5	0.5
Final drive (each)-gear oil	2.3	0.5
Hydraulic system (incl tank)	160	35.2
Hydraulic Tank	96	21.1

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 EA
No. of carrier roller on each side	1 EA
No. of track roller on each side	6 EA
No. of rail guard on each side	1 EA

OPERATING WEIGHT (APPROXIMATE)	
Operating weight, including 4300mm boom, 2260mm arm, SAE heaped 0.40m³ bucket, lubricant, coolant, full fuel tank, full hydraulic tank and all standard equipment.	
MAJOR COMPONENT WEIGHT	
Shoes	Ground pressure
Upperstructure	6,300 kg
4.3m (14' 1") mono boom (with arm cylinder)	950 kg

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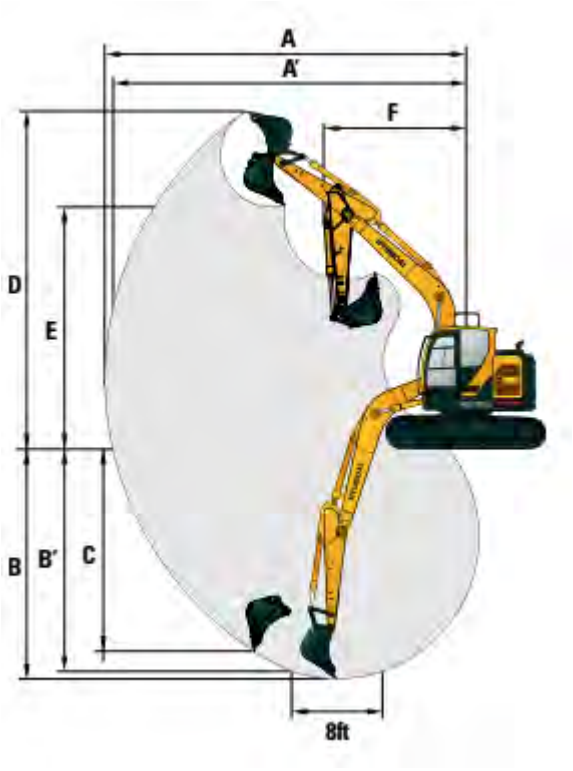
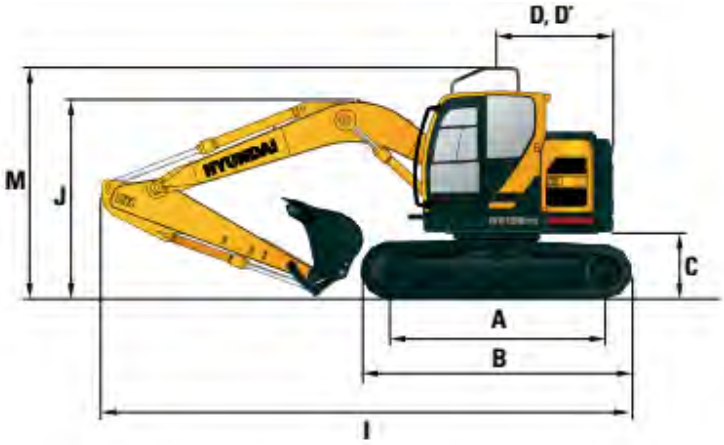
OPERATING WEIGHT (APPROXIMATE)			
Shoes	Operating Weight		Ground Pressure
Type	Width mm (in)	Kg (lb)	Kgf/cm² (PSI)
Triple Grouser	500mm (20”)	12,700 (27,999)	0.42 (5.95)
	600mm (24”)	12,850 (29,630)	0.35 (5.02)
	700 (28”)	13,000 (28,660)	0.31 (4.35)



WORKING RANGE			
Boom Length	4,300 (14’ 1”)		
Arm Length	1960mm	2260mm	2810mm
A) Max. Digging Reach	7410mm	7690mm	8220mm
A’) Max. Digging Reach on Ground	7250mm	7540mm	8080mm
B) Max. Digging Depth	4720mm	5020mm	5570mm
B’) Max. Digging Depth (8’ level)	4460mm	4790mm	5380mm
C) Max. vertical wall digging depth	3960mm	4290mm	4830mm
D) Max. Digging Height	7920mm	8110mm	8480mm
E) Max. Dumping Height	5620mm	5880mm	6170mm
F) Min. Swing Radius	2310mm	2340mm	2470mm



Unit : mm (ft - in)

DIMENSIONS	
A) Tumbler Distance	2,780 (9’ 2”)
B) Overall length of crawler	3490 (11’ 5”)
C) Ground Clearance Counterweight	900 (2’ 11”)
D) Tail swing radius	1,500 (4’ 10”)
D’) Rear end length	1,500 (4’ 10”)
E) Overall width of upperstructure	2,500 (8’ 2”)
F) Overall height of cab	2,900 (9’ 6”)
G) Min. ground clearance	440 (1’ 5”)
H) Track Gauge	1,990 (6’ 6”)
I) Overall height of Handrail	3,165 (10’ 5”)

DIMENSIONS			
Boom Length		4,300 (14’ 1”)	
Arm Length	1,960 (6’ 5”)	2,260 (7’ 5”)	2,810 (9’3”)
I) Overall Length	6,840 (22’ 5”)	6,860 (22’ 6”)	6,800 (22’ 3”
J) Overall Height of Boom	2,530 (8’ 3”)	2,750 (9’ 0”)	3,070 (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”)

BUCKET SELECTION GUIDE & DIGGING FORCE

BUCKETS

All buckets are welded with high-strength steel.

SAE heaped m³ (yd³)

0.30 (0.39) | ※ 0.40 (0.50) | 0.45 (0.59) | 0.50 (0.65) | 0.59 (0.77)

Capacity m³ (yd³)		Width mm (in)		Weight kg (lb)	Recommendation mm (ft·in)				
					4,300 (14' 1") Boom			4,600 (15' 1") Boom	
SAE heaped	CECE heaped	Without side cutters	With side cutters		1,960 (6' 5") Arm	2,260 (7' 5") Arm	2,810 (9' 3") Arm	1,960 (6' 5") Arm	2,260 (7' 5") Arm
0.30 (0.39)	0.27 (0.35)	610 (24.0)	700 (27.6)	332 (730)	●	●	●	●	●
※0.40 (0.52)	0.35 (0.46)	760 (29.9)	850 (33.5)	383 (840)	●	●	●	●	●
0.45 (0.59)	0.40 (0.52)	830 (32.7)	920 (36.2)	401 (880)	●	●	◐	●	●
0.50 (0.65)	0.45 (0.59)	900 (35.4)	990 (39.0)	419 (920)	●	●	◐	●	◐
0.59 (0.77)	0.52 (0.68)	1,030 (40.6)	1,120 (44.1)	463 (1,020)	◐	■	▲	◐	■

※ Standard bucket

● : Applicable for materials with density of 2,100 kgf/m³ (3,500 lbf/yd³) or less
◐ : Applicable for materials with density of 1,800 kgf/m³ (3,000 lbf/yd³) or less
■ : Applicable for materials with density of 1,500 kgf/m³ (2,500 lbf/yd³) or less
▲ : Applicable for materials with density of 1,200 kgf/m³ (2,000 lbf/yd³) or less
x : Not Recommended

ATTACHMENT

Booms and arms are welded, a low-stress, full-box section design. 4.3m (14' 1") boom and 1.96m (6' 5"), 2.26m (7' 5"), 2.81m (9' 3")arms are available.

DIGGING FORCE

Length	Length	mm (ft·in)	4,300 (14' 1"), 4,556 (14' 11")			Remark
	Weight	kg (lb)	950 (2,090)			
Arm	Length	mm (ft·in)	1,960 (6' 5")	2,260 (7' 5")	2,810 (9' 3")	
	Weight	kg (lb)	320 (710)	340 (750)	400 (880)	
Bucket digging force	SAE	kN	87.8 [95.8]	87.8 [95.8]	87.8 [95.8]	[ ]: Power Boost
		kgf	8,954 [9,768]	8,954 [9,768]	8,954 [9,768]	
		lbf	19,740 [21,534]	19,740 [21,534]	19,740 [21,534]	
	ISO	kN	101.7 [111.0]	101.7 [111.0]	101.7 [111.0]	
		kgf	10,369 [11,312]	10,369 [11,312]	10,369 [11,312]	
		lbf	22,860 [24,938]	22,860 [24,938]	22,860 [24,938]	
Arm crowd force	SAE	kN	60.6 [66.1]	56.1 [61.2]	48.3 [52.7]	
		kgf	6,178 [6,739]	5,716 [6,236]	4,928 [5,376]	
		lbf	13,619 [14,857]	12,602 [13,747]	10,865 [11,852]	
	ISO	kN	63.2 [68.9]	58.3 [63.6]	50.0 [54.5]	
		kgf	6,443 [7,029]	5,943 [6,484]	5,093 [5,556]	
		lbf	14,204 [15,495]	13,103 [14,294]	12,228 [12,249]	