

SPECIFICATIONS

HX220LL Log Loader

Net Power
121.4 kW (163 hp)
@ 1,800 rpm

Operating Weight
HX220LL Standard
31,200 kg (68,784 lb)

ENGINE

Maker / Model	DOOSAN DL06P
Type	4-cycle, water-cooled, turbo-charged, direct-injection, exhaust gas recirculation, 6-cylinder
Gross Power (SAE J1995)	124.3 kW (167 hp) @ 1,800 rpm
Net Power (SAE J1349)	121.4 kW (163 hp) @ 1,800 rpm
Peak Torque	755 Nm (577 lbf) @ 1,400 rpm
Displacement	5,890 cc (359.4 cu-in)

HYDRAULIC SYSTEM

MAIN PUMP

Type	Swash plate, axial piston
Max. Flow	2 x 213.5 lpm (2 x 56.4 gpm)

PILOT PUMP

Type	Gear pump
Max. Flow	24.7 lpm (6.5 gpm)

HYDRAULIC MOTORS

Travel	Axial piston, 2-speed
Swing	Axial piston

RELIEF VALVE SETTING

Model	HX220LL	
Implement Circuits	Normal Mode	330 kgf/cm ² (4,695 psi)
	Power Mode	350 kgf/cm ² (4,980 psi)
Travel	Normal Mode	300 kgf/cm ² (4,268 psi)
Swing Circuit	Normal Mode	350 kgf/cm ² (4,980 psi)
Pilot Circuit	40 kgf/cm ² (569 psi)	

HYDRAULIC CYLINDERS

Model	HX220LL	
No. of Cylinder, Bore x Stroke	Boom	2 ea, Ø 140 x 1,143 mm (5.5 x 45 in)
	Arm	1 ea, Ø 165 x 1,396 mm (6.4 x 54.9 in)
	Heel	1 ea, Ø 115 x 915 mm (4.5 x 36 in)

DRIVES & BRAKES

Reduction System	3-stage planetary gear	
Max. Drawbar Pull	32,930 kgf (72,958 lbf)	
Max. Travel Speed	High	4.2 km/h (2.6 mph)
	Low	2.4 km/h (1.5 mph)
Gradeability	35° (70%)	

SWING SYSTEM

Swing Motor	Axial piston	
Swing Reduction	2-stage planetary	
Swing Speed	10.2 rpm	
Swing Torque	9,626 kgf.m (69,625 lbf.ft)	

REFILL CAPACITIES

Model	HX220LL
Fuel Tank	1,006 L (266 gal)
Coolant	31.4 L (8.3 gal)
Engine Oil	27 L (7.1 gal)
Swing Device	5 L (1.32 gal)
Final Drive	6 L (1.6 gal)
Hydraulic System (Inc. Tank)	280 L (74 gal)
Hydraulic Tank	195 L (51.5 gal)
DEF/AdBlue®	31.5 L (8.3 gal)

UNDERCARRIAGE

Hyundai log loaders are equipped with a stable, fully guarded, heavy-duty, high and wide undercarriage. Durable top rollers and special cleanout brackets keep you mobile and productive.

No. of Shoes on Each Side	45 ea
No. of Carrier Rollers on Each Side	2 ea
No. of Track Rollers on Each Side	9 ea

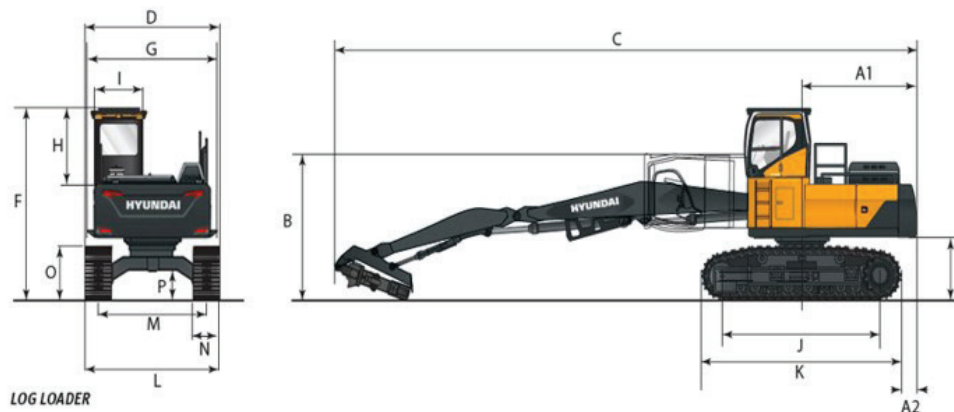
OPERATING WEIGHT (APPROXIMATE)

Model	Cabin Type	Track Width	Operating Weight	Ground Pressure
		mm (in)	kg (lb)	kgf/cm ² (psi)
HX220LL	Standard Cabin	700 (24)	31,200 (68,784)	0.56 (8.0)
	Forestry Cabin	700 (24)	32,100 (70,768)	0.56 (8.0)

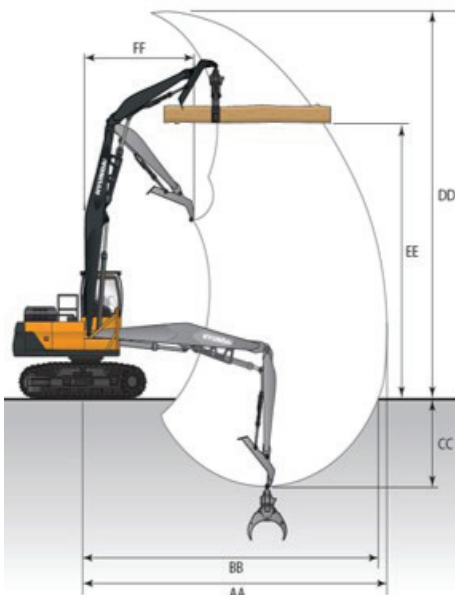


DIMENSIONS

HX220LL



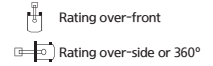
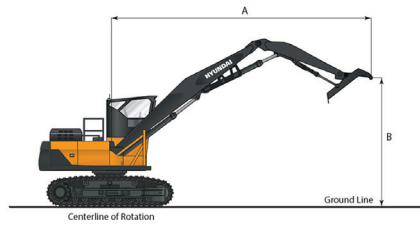
HX 220LL DIMENSIONS	Forestry Cabin	Standard Cabin
Log Loader Boom		6,150 mm (20' 2")
Log Loader Arm		3,660 mm (12' 0")
Live Heel		810 mm (2' 8")
A1 Tail Swing Radius		3,115 mm (10' 4")
A2 Tail Swing Overhang (Rear)		838 mm (2' 9")
B Shipping Height (Cabin tilted)		3,530 mm (11' 7")
C Shipping Length		13,850 mm (45' 5")
D Shipping Width		3,600 mm (11' 10")
E Ground Clearance of Counterweight		1,310 mm (4' 4")
F Overall Height of Cabin	4,770 mm (15' 8")	4,620 mm (15' 2")
Cabin Riser		1,200 mm (3' 11")
Cabin Tilting Angle		90°
G Overall Width of Upper Structure		3,325 mm (10' 11")
H Cabin Height Above Riser		2,279 mm (7' 6")
I Cabin Width	1,140 mm (3' 9")	1,010 mm (3' 4")
J Tumbler Distance		3,680 mm (12' 1")
K Overall Length of Crawler		4,635 mm (15' 2")
L Undercarriage Width		3,600 mm (11' 10")
M Track Gauge		2,900 mm (9' 6")
N Track Shoe Width		700 mm (2' 4")
O Track Height		1,204 mm (3' 11")
P Min. Ground Clearance		725 mm (2' 5")



HX220LL WORKING RANGE

Log Loader Boom	6,150 mm (20' 2")
Log Loader Arm	3,660 mm (12' 0")
Live Heel	810 mm (2' 8")
AA Max. Reach	10,995 mm (36' 1")
BB Max. Reach (Ground)	10,795 mm (35' 5")
CC Max. Depth	3,445 mm (11' 4")
DD Max. Height	12,860 mm (42' 2")
EE Max. Level Log*	8,305 mm (27' 3")
FF Min. Swing Radius	3,700 mm (12' 3")

LIFTING CAPACITY



HX220LL WITH FORESTRY CABIN

6,150 mm (20' 2") boom / 3,660 mm (12' 0") arm / 810 mm (2' 8") live heel / 700mm (28") DG track / 4,400 kg (9,700 lbs) CWT / NO grapple

Lift-point height m (ft)		Lift-point radius										At max. reach				
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Capacity	Reach	
																m (ft)
10.5 m 35 ft	1,000 kg 1,000 lb			9.61* 21.19*	9.61* 21.19*	8.48* 18.69*	8.48* 18.69*							6.85* 15.10*	6.85* 15.10*	6.03 (19.8)
9 m 30 ft	1,000 kg 1,000 lb					7.90* 17.41*	7.90* 17.41*	7.20* 15.88*	7.0 15.43					5.44* 11.99*	5.44* 11.99*	8.08 (26.5)
7.5 m 25 ft	1,000 kg 1,000 lb					7.85* 17.30*	7.85* 17.30*	7.06* 15.55*	7.06* 15.55*	6.41* 14.13*	5.18 11.42			4.86* 10.72*	4.81 10.61	9.35 (30.7)
6 m 20 ft	1,000 kg 1,000 lb					8.19* 18.06*	8.19* 18.06*	7.19* 15.85*	7.0 15.42	6.38* 14.07*	5.2 11.45			4.60* 10.13*	4.2 9.25	10.16 (33.3)
4.5 m 15 ft	1,000 kg 1,000 lb			10.87* 23.97*	10.87* 23.97*	8.84* 19.49*	8.84* 19.49*	7.49* 16.50*	6.84 15.08	6.37 14.04	5.13 11.3	4.95 10.92	3.96 8.74	4.50* 9.93*	3.87 8.53	10.64 (34.9)
3 m 10 ft	1,000 kg 1,000 lb			12.56* 27.68*	12.56* 27.68*	9.60* 21.16*	9.3 20.51	7.82* 17.24*	6.63 14.61	6.26 13.79	5.02 11.07	4.93 10.86	3.94 8.69	4.55* 10.03*	3.74 8.23	10.83 (35.5)
1.5 m 5 ft	1,000 kg 1,000 lb			13.77* 30.37*	13.76 30.33	10.14* 22.36*	8.89 19.59	8.01* 17.67*	6.41 14.13	6.14 13.53	4.91 10.82	4.88 10.77	3.9 8.6	4.34* 9.57*	3.75 8.26	10.77 (35.3)
0 m 0 ft	1,000 kg 1,000 lb			13.77* 30.37*	13.17 29.02	10.14* 22.36*	8.57 18.89	7.86 17.33	6.23 13.74	6.04 13.32	4.81 10.61	4.37* 9.63*	3.88 8.55	3.81* 8.41*	3.81* 8.41*	10.52 (34.5)
-1.5 m -5 ft	1,000 kg 1,000 lb	6.28* 13.86*	6.28* 13.86*	12.45* 27.45*	12.45* 27.45*	9.38* 20.68*	8.39 18.5	7.23* 15.93*	6.13 13.51	5.44* 11.99*	4.77 10.51			4.07* 8.98*	4.07* 8.98*	9.94 (32.6)

HX220LL WITH FORESTRY CABIN

6,150 mm (20' 2") boom / 3,660 mm (12' 0") arm / 810 mm (2' 8") live heel / 700mm (28") DG track / 4,400 kg (9,700 lbs) CWT / NO grapple

Lift-point height m (ft)		Lift-point radius										At max. reach				
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		9.0 m (30 ft)		10.5 m (35 ft)		Capacity	Reach	
																m (ft)
10.5 m 35 ft	1,000 kg 1,000 lb			9.61* 21.19*	9.61* 21.19*	8.48* 18.69*	8.48* 18.69*							6.85* 15.10*	6.85* 15.10*	6.03 (19.8)
9 m 30 ft	1,000 kg 1,000 lb					7.90* 17.41*	7.90* 17.41*	7.20* 15.88*	6.86 15.12					5.44* 11.99*	5.44* 11.99*	8.08 (26.5)
7.5 m 25 ft	1,000 kg 1,000 lb					7.85* 17.30*	7.85* 17.30*	7.06* 15.55*	6.92 15.27	6.28 13.85	5.07 11.17			4.86* 10.72*	4.71 10.38	9.35 (30.7)
6 m 20 ft	1,000 kg 1,000 lb					8.19* 18.06*	8.19* 18.06*	7.19* 15.85*	6.86 15.12	6.3 13.88	5.08 11.21			4.60* 10.13*	4.1 9.04	10.16 (33.3)
4.5 m 15 ft	1,000 kg 1,000 lb			10.87* 23.97*	10.87* 23.97*	8.84* 19.49*	8.84* 19.49*	7.49* 16.50*	6.7 14.77	6.23 13.73	5.02 11.06	4.83 10.66	3.87 8.54	4.50* 9.93*	3.78 8.33	10.64 (34.9)
3 m 10 ft	1,000 kg 1,000 lb			12.56* 27.68*	12.56* 27.68*	9.60* 21.16*	9.12 20.1	7.82* 17.24*	6.49 14.3	6.12 13.48	4.91 10.82	4.81 10.6	3.85 8.48	4.55* 10.03*	3.65 8.04	10.83 (35.5)
1.5 m 5 ft	1,000 kg 1,000 lb			13.77* 30.37*	13.48 29.71	10.14* 22.36*	8.7 19.18	7.87 17.34	6.27 13.82	6.0 13.22	4.79 10.57	4.77 10.51	3.81 8.39	4.34* 9.57*	3.66 8.06	10.77 (35.3)
0 m 0 ft	1,000 kg 1,000 lb			13.77* 30.37*	12.88 28.4	10.14* 22.36*	8.38 18.48	7.68 16.93	6.09 13.43	5.9 13.01	4.7 10.37	4.37* 9.63*	3.78 8.34	3.81* 8.41*	3.78 8.34	10.52 (34.5)
-1.5 m -5 ft	1,000 kg 1,000 lb	6.28* 13.86*	6.28* 13.86*	12.45* 27.45*	12.45* 27.45*	9.38* 20.68*	8.2 18.09	7.23* 15.93*	5.99 13.2	5.44* 11.99*	4.66 10.27			4.07* 8.98*	4.07* 8.98*	9.94 (32.6)

1. Load point is the end of the heel to the grapple pin.
2. Capacities marked with an asterisk (*) are limited by hydraulic capacities.
3. Lift capacities shown do not exceed 75% of minimum tipping loads or 87% of hydraulic capacities.
4. The least stable position is over the side.
5. Lift capacities apply only to the machine as originally manufactured and normally equipped by the manufacturer.
6. Lift capacities are in compliance with ISO 10567.

STANDARD/OPTIONAL CONFIGURATION

●: Standard, ○: Optional

ENGINE

EPA T4 Final Compliant	●
Cooled Exhaust Gas Recirculation (CEGR)	●
Diesel Oxidation Catalyst (DOC)	●
Selective Catalytic Reduction (SCR)	●
Diesel Exhaust Fluid (DEF)	●
Fuel Filter with Water Separator	●
Pre-Cleaner	●
Auto-Shutdown (Time-Adjustable)	●
Overheat and Low Oil Pressure Engine Protection	●
Fuel Warmer	●
Block Heater (110V)	●
Block Heater (220V)	○
Fuel Filler Pump	○

HYDRAULIC SYSTEM

Electronic Power Optimizing System (EPOS)	●
Variable Axial Piston Main Pump (Tandem)	●
Pilot Operated Control Valves	●
Auxiliary Hydraulics, Fingertip and Pedal Control	●
Auxiliary Hydraulics, Fingertip control	○
Adjustable Auxiliary Flow and Pressure	●
Pattern Change Valve	●
Quick Coupler Piping	N/A
Hydraulic Oil, VG32	●
Hydraulic Oil, VG46	○

OTHER

Cab Riser (Hyd. Tilt)	●
Forestry Cabin, Side Entry	●
· PC Glass	
· OR-OSHA 437-007-0775	
· ISO 8083:2006, WCB G608(FOPS)	
· SAE J2267:2007, WCB G603(OFPS)	
· ISO 8084:2003, WCB G604(OPS)	
· ISO 8082:2003, WCB G602(ROPS)	
Non-ROPS cabin, Side Entry	○
Cab Guard - Front, Top and Rear (not for Forestry Cab)	○
7" Multi-Function LCD Cluster	●
AM/FM Stereo and MP3 Port	●
Emergency Breakout Tool	●
Power Socket, 12V	●
Additional Power Socket, 12V	●

ELECTRICAL

Light, Work (LED): Machine (8), Boom (2)	●
Light, Work (Halogen): Machine (8), Boom (2)	○
Travel Alarm Only	●
Travel Alarm with Swing Alarm	N/A
Rearview Camera	●
Rear and Sideview Camera	○
Telematics, Dual (Satellite and Mobile)	●
Telematics, Mobile	○
Microphone	○

ATTACHMENT

6.15 m (20' 2") Boom	●
Without Boom	○
3.66 m (12' 0") Arm	●
Without Arm	○
Live Heel	●
Boom Cylinder Guard	●
Arm Cylinder Guard	●

UNDERCARRIAGE

Heavy Duty High and Wide Undercarriage	●
700 mm (28") Double Grousers Shoe	●
700 mm (28") Triple Grousers Shoe	○
Full Track Rail Guard	●

OTHER

Heavy Duty Catwalk/Side Guards	●
Straight Travel, Dedicated Pedal	●



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PLEASE CONTACT

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