

# SPECIFICATIONS

# HX330L

Tier 4 Final Engine

<b>Net Power</b> SAE J1349 / 270 HP (202 kW) at 1,800 rpm	<b>Bucket Range</b> 1.88yd <sup>3</sup> - 2.75yd <sup>3</sup> <b>Standard Bucket</b> 1.88 yd <sup>3</sup>	<b>Operating Weight</b> 33,500 kg / 73,850 lbs
---	--	---

## ENGINE

Maker / Model	Cummins QSL9	
Type	4-cycle turbocharged, charge air cooled, diesel engine	
Rated flywheel horse power	SAE J1995 (gross)	284 HP (212 kW) at 1,800 rpm
	SAE J1349 (net)	270 HP (202 kW) at 1,800 rpm
	DIN 6271/1 (gross)	288 PS (212 kW) at 1,800 rpm
	DIN 6271/1 (net)	274 PS (202 kW) at 1,800 rpm
Max. torque	123.7 kgf·m (895 lbf·ft) at 1500 rpm	
Bore X stroke	114x145 mm (4.49"x5.69")	
Piston displacement	8900 cc (543 in <sup>3</sup> )	
Batteries	2x12 Vx160 Ah	
Starting motor	Denso 24 V-7.8 kW	
Alternator	Denso 24 V-95 A	

## HYDRAULIC SYSTEM

### MAIN PUMP

Type	Variable displacement piston pumps
Max. flow	2x277.2 lpm (73.2 gpm)
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

### HYDRAULIC MOTORS

Travel	Two speed axial piston motor
Swing	Axial piston motor

### RELIEF VALVE SETTING

Implement circuits	350 kgf/cm <sup>2</sup> (4,980 psi)
Travel	350 kgf/cm <sup>2</sup> (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm <sup>2</sup> (5,400 psi)
Swing circuit	300 kgf/cm <sup>2</sup> (4,270 psi)
Pilot circuit	40 kgf/cm <sup>2</sup> (569 psi)
Service valve	Installed

### HYDRAULIC CYLINDERS

No. of cylinder bore X stroke	Boom: Ø5.9x58.3 in
	Arm: Ø6.3x66.3 in
	Bucket: Ø5.5x50.6 in

## DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	27,000 kgf (59,500 lbf)
Max. travel speed (high / low)	5.9 km/hr (3.67 mph) / 3.4 km/hr (2.11 mph)
Gradeability	35° (70%)
Parking brake	Multi wet disc brake

## CONTROL

Pilot pressure operated joysticks and pedals with detachable lever for minimal operator fatigue.

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

## OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 6,450mm (21' 2") boom, 3,250mm (10' 6") arm, SAE heaped 1.44m<sup>3</sup> (1.88 yd<sup>3</sup>) 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 <sup>2</sup> (psi)
Triple grouser	600 (24")	HX330 L	33,500 (73,850)	0.65 (9.24)
	700 (28")	HX330 L	34,070 (75,110)	0.56 (7.96)
	800 (32")	HX330 L	34,450 (75,950)	0.50 (7.11)
	900 (36")	HX330 L	34,830 (76,790)	0.45 (6.40)
Double grouser	700 (28")	HX330 L	37,480 (82,630)	0.61 (8.67)



## SWING SYSTEM

Swing motor	Fixed displacement axial piston motor
Swing reduction	Planetary reduction gear
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc brake
Swing speed	9.1 rpm

## SERVICE REFILL CAPACITIES

Re-filling	liters	US gal
Fuel tank	600	154.7
Engine coolant	55	14.5
Engine oil	30	7.9
Swing device	11	2.91
Final drive (each)	7.8	2.06
Hydraulic system (including tank)	414	106.7
Hydraulic tank	210	54.1
DEF/AdBlue®	42.5	11.2

## 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.

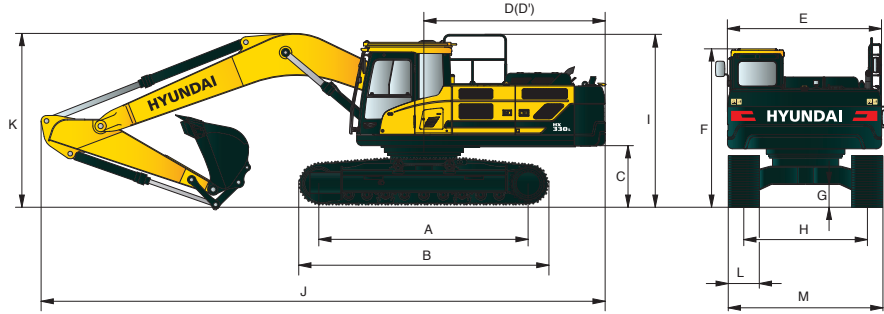
Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	48 EA
No. of carrier roller on each side	2 EA
No. of track roller on each side	9 EA
No. of rail guard on each side	2 EA

# SPECIFICATIONS HX330L

Tier 4 Final Engine

## HX330L DIMENSIONS

6.45 m (21' 2"), 6.15 m (20' 2") BOOM and 2.2 m (7' 3"), 2.5 m (8' 2"), 3.2 m (10' 6"), 4.05 m (13' 3") ARM



A	Tumbler distance	4,030 (13' 3")
B	Overall length of crawler	4,940 (16' 2")
C	Ground clearance of counterweight	1,200 (3' 11")
D	Tail swing radius	3,570 (11' 7")
D'	Rear-end length	3,505 (11' 5")
E	Overall width of upperstructure	2,980 (9' 9")
F	Overall height of cab	3,160 (10' 4")
G	Min. ground clearance	500 (1' 8")
H	Track gauge	2,680 (8' 10")
I	Overall height of guardrail	3,350 (11' 0")

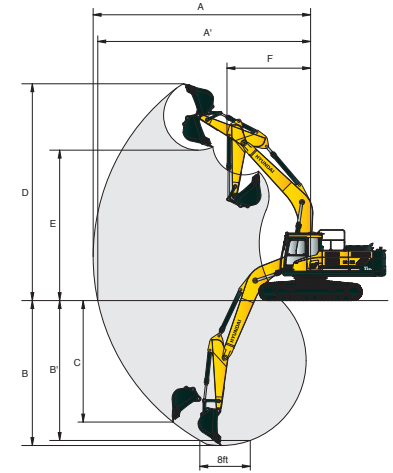
Unit : mm (ft-in)

	6,150 (20' 2")	6,450 (21' 2")			
Boom length	6,150 (20' 2")	6,450 (21' 2")			
Arm length	2,200 (7' 3")	2,200 (7' 3")	2,500 (8' 2")	3,200 (10' 6")	4,050 (13' 3")
J Overall length	11,170 (36' 8")	11,470 (37' 8")	11,340 (37' 2")	11,220 (36' 10")	11,220 (36' 10")
K Overall height of boom	3,680 (12' 1")	3,740 (11' 11")	3,760 (12' 0")	3,380 (11' 1")	3,860 (12' 8")
L Track shoe width	600 (24")	700 (28")	800 (32")	900 (36")	
M Overall width	3,280 (10' 9")	3,380 (11' 1")	3,480 (11' 5")	3,580 (11' 5")	

## HX330L WORKING RANGE

Unit : mm (ft-in)

	6.15 (20' 2")	6.45 (21' 2")			
Boom length	6.15 (20' 2")	6.45 (21' 2")			
Arm length	2.2 (7' 3")	2.2 (7' 3")	2.5 (8' 2")	3.2 (10' 6")	4.05 (13' 3")
A Max. digging reach	10,020 (32' 10")	10,330 (33' 11")	10,550 (34' 7")	11,140 (36' 7")	11,950 (39' 2")
A' Max. digging reach on ground	9,800 (32' 2")	10,110 (33' 2")	10,330 (33' 11")	10,940 (35' 11")	11,760 (38' 7")
B Max. digging depth	6,160 (20' 3")	6,370 (20' 11")	6,670 (21' 11")	7,370 (24' 2")	8,220 (26' 12")
B' Max. digging depth (8' level)	5,950 (19' 6")	6,160 (20' 3")	6,470 (21' 3")	7,210 (23' 8")	8,080 (26' 6")
C Max. vertical wall digging depth	5,710 (18' 9")	5,980 (19' 7")	5,920 (19' 5")	6,360 (20' 10")	7,260 (23' 10")
D Max. digging height	9,940 (32' 7")	10,220 (33' 6")	10,170 (33' 4")	10,310 (33' 10")	10,710 (35' 2")
E Max. dumping height	6,780 (22' 3")	7,050 (23' 2")	7,050 (23' 2")	7,240 (23' 9")	7,630 (25' 0")
F Min. swing radius	4,520 (14' 10")	4,700 (15' 5")	4,550 (14' 11")	4,460 (14' 8")	4,470 (14' 8")



## DIGGING FORCE

Boom	Length	mm (ft-in)	6,150 (20' 2")		6,450 (21' 2")			Remark
			2,950 (6,500)	3,030 (6,680)				
Arm	Length	mm (ft-in)	2,200 (7' 3")	2,200 (7' 3")	2,500 (8' 2")	3,200 (10' 6")	4,050 (13' 3")	
	Weight	kg (lb)	1,560 (3,440)	1,560 (3,440)	1,650 (3,640)	1,770 (3,900)	1,870 (4,120)	
Bucket digging force	SAE	kN	189.3 [205.5]	189.3 [205.5]	189.3 [205.5]	189.3 [205.5]	189.3 [205.5]	[ ]: Power Boost
		kgf	19300 [20950]	19300 [20950]	19300 [20950]	19300 [20950]	19300 [20950]	
		lbf	42550 [46200]	42550 [46200]	42550 [46200]	42550 [46200]	42550 [46200]	
	ISO	kN	211.8 [230.0]	211.8 [230.0]	211.8 [230.0]	211.8 [230.0]	211.8 [230.0]	
		kgf	21600 [23450]	21600 [23450]	21600 [23450]	21600 [23450]	21600 [23450]	
		lbf	47620 [51700]	47620 [51700]	47620 [51700]	47620 [51700]	47620 [51700]	
Arm crowd force	SAE	kN	196.6 [213.4]	196.6 [213.4]	178.9 [194.2]	143.2 [155.5]	119.6 [129.9]	
		kgf	20000 [21760]	20000 [21760]	18200 [19810]	14600 [15850]	12200 [13240]	
		lbf	44190 [47980]	44190 [47980]	40220 [43670]	32190 [34950]	26890 [29190]	
	ISO	kN	202.8 [220.2]	202.8 [220.2]	185.1 [201.0]	147.1 [159.7]	122.7 [133.3]	
		kgf	20700 [22450]	20700 [22450]	18900 [20500]	15000 [16290]	12515 [13590]	
		lbf	45600 [49510]	45600 [49510]	41620 [45190]	33070 [35900]	27590 [29950]	

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

# SPECIFICATIONS

## HX330L

Tier 4 Final Engine

Rating over-front Rating over-side or 360 degree

### HX330L LIFTING CAPACITY - 6.45 m (21' 2") boom equipped with 1.44 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe

Load point height m (ft)	Load 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)				Capacity		Reach							
Arm Length m (ft)																														
7.5 m (25 ft)	kg																													
6.0 m (20 ft)	kg																													
4.5 m (15 ft)	kg																													
3.0 m (10 ft)	kg																													
1.5 m (5 ft)	kg																													
Ground Line	kg lb																													
-1.5 m (-5 ft)	kg lb	*14500 *31970	*14500 *31970	*15100 *33290	*15100 *33290	*17770 *39180	11640 25660	*17870 *39400	11480 25310	12080 26630	7370 16250	11980 26410	7270 16030	8460 18650	5250 11570	8370 18450	5170 11400													
-3.0 m (-10 ft)	kg lb	*22000 *48500	*22000 *48500	*22890 *50460	*22890 *50460	*16270 *35870	11850 26120	*16580 *36550	11660 25710	12210 26920	7480 16490	12070 26610	7350 16200																	
-4.5 m (-15 ft)	kg lb	*17710 *39040	*17710 *39040	*18960 *41800	*18960 *41800	*13290 *29300	12270 27050	*13950 *41800	12050 26570																					

Load point height m (ft)	Load radius																				At max. reach										
	1.5 m (5 ft)				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)				Capacity		Reach				
Arm Length m (ft)																															
7.5 m (25 ft)	kg																														
6.0 m (20 ft)	kg																														
4.5 m (15 ft)	kg																														
3.0 m (10 ft)	kg																														
1.5 m (5 ft)	kg																														
Ground Line	kg lb																														
-1.5 m (-5 ft)	kg lb	*11460 *25260	*11460 *25260	*9970 *21980	*9970 *21980	*14560 *32100	*14560 *32100	*13500 *29760	*13500 *29760	*18040 *39770	11320 24960	*17770 *39180	11160 24600	11870 26170	7160 15790	8260 18210	5060 11160	8140 17950	4940 10890												
-3.0 m (-10 ft)	kg lb	*15430 *34020	*15430 *34020	*13140 *28970	*13140 *28970	*19550 *43100	*19550 *43100	*17090 *37680	*17090 *37680	*17260 *38050	11400 25130	*17640 *38890	11100 24470	11870 26170	7160 15790	11650 25680	6950 15320	8270 18230	5070 11180												
-4.5 m (-15 ft)	kg lb	*16780 *36990	*16780 *36990	*21700 *47840	*21700 *47840	*21910 *48300	*21910 *48300	*15310 *33750	11680 25750	*16430 *36220	11260 24820	*11330 *24980	7350 16200	11730 25860	7030 15500																
-6.0 m (-20 ft)	kg lb																														

- Lifting capacity are based on SAE J1097 and 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 load point is a hook located on the back of the bucket.
- (\*) indicates load limited by hydraulic capacity.
- Additional lifting capacity charts are available upon request.

# SPECIFICATIONS

## HX330L

Tier 4 Final Engine

ENGINE	STD	OPT
Cummins QSL 9 engine	●	
HYDRAULIC SYSTEM	STD	OPT
Intelligent Power Control (IPC)		
3-power mode, 2-work mode, user mode	●	
Variable Power Control	●	
Pump Flow Control	●	
Attachment Mode Flow Control	●	
Engine Auto Idle	●	
Engine Auto Shutdown Control		●
Electronic Fan Control	●	
CAB & INTERIOR	STD	OPT
ISO Standard cabin		
Rise-up type windshield wiper	●	
Radio / USB player	●	
Bluetooth / Handsfree mobile phone system with USB	●	
Miracast	●	
12 volt power outlet (24V DC to 12V DC converter)	●	
Electric horn	●	
All-weather steel cab with 360° visibility	●	
Safety glass windows	●	
Sliding fold-in front window	●	
Sliding side window (LH)	●	
Lockable door	●	
Hot & cool box	●	
Storage compartment & Ashtray	●	
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		●
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	●	
Cabin FOPS/FOG		
FOPS (Falling Object Protective Structures)ISO 3449 Level 2		●
FOG (Falling Object Guard) Front & Top Guard		●
ISO/DIS 10262 Level 2 Top Guard		●
Cabin ROPS		
ROPS (Roll Over Protective Structures)ISO 12117-2	●	
SAFETY	STD	OPT
Battery master switch	●	
Rearview camera	●	
AAVM (All Around View Monitoring)		●
Four front working lights	●	
Dual boom working lights	●	
Travel alarm	●	
Rear work lamp		●
Beacon lamp		●
Automatic swing brake	●	
Boom holding system	●	
Arm holding system	●	
Safety lock valve for boom cylinder with overload warning device		●
Safety lock valve for arm cylinder		●
Three outside rearview mirrors	●	

OTHER	STD	OPT
Booms		
6.15 m, 20' 2"		●
6.45 m, 21' 2"	●	
Arms		
2.2 m, 7' 3"		●
2.5 m, 8' 2"		●
3.2 m, 10' 6"	●	
4.05 m, 13' 3"		●
Removable clean-out dust net for cooler	●	
Removable reservoir tank	●	
Fuel pre-filter	●	
Fuel warmer		●
Self-diagnostics system	●	
Hi-mate (Remote Management System) Mobile Satellite	●	●
Batteries (2 x 12V x 160 AH)	●	
Fuel filler pump (50 lpm / 13 gpm)		●
Single-acting piping kit (breaker, etc.)		●
Double-acting piping kit (clamshell, etc.)		●
Rotating Piping Kit		●
Quick coupler piping		●
Quick coupler		●
Boom floating control		●
One Pedal Straight Travel System		●
Accumulator for lowering work equipment	●	
Pattern change valve (2 patterns)	●	
Tool kit		●
UNDERCARRIAGE	STD	OPT
Lower frame under cover (Additional)		●
Lower frame under cover (Normal)	●	
Track shoes		
Triple grousers shoes (600mm, 24")		●
Triple grousers shoe (700 mm, 28")		●
Triple grousers shoe (800 mm, 32")	●	
Triple grousers shoe (900 mm, 36")		●
Double grousers shoe (700 mm, 28")		●
Track rail guard	●	
Full track rail 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.

### PLEASE CONTACT



6100 ATLANTIC BOULEVARD NORCROSS GA 30071 U.S.A  
 TEL: (1) 678-823-7802 FAX: (1) 678-823-7778