

SPECIFICATIONS

HX300L

Tier 4 Final Engine

Net Power

SAE J1349 / 230 HP
(171 kW) at 1,950 rpm

Bucket Range

0.52 - 1.85 m³ (0.68 - 2.42 yd³)

Standard Bucket

1.27 m³ (1.66 yd³)

Operating Weight

31,650 kg / 69,780 lb

ENGINE		
Make / model		Cummins QSB6.7
Type		4-cycle turbocharged, charge air-cooled, diesel engine
Rated flywheel horse-power	SAE J1995 (gross)	242 HP (180 kW) at 1,950 rpm
	SAE J1349 (net)	230 HP (171 kW) at 1,950 rpm
Max. torque		100.9 kgf·m (729.8 lbf-ft) at 1500 rpm
Bore X stroke		107×124 mm (4.21"×4.88")
Piston displacement		6700 cc (409 in ³)
Batteries		2×12 V×160 Ah
Starting motor		24 V-4.8 kW
Alternator		24 V-95 A

HYDRAULIC SYSTEM

MAIN PUMP

Type	Variable-displacement tandem axis piston pumps
Max. flow	2×273 lpm (72.1 gpm)
Sub-pump for pilot circuit	Gear pump

CROSS-SENSING AND FUEL SAVING PUMP SYSTEM

HYDRAULIC MOTORS

Travel	Variable-displacement axial piston motor
Swing	Axial piston motor

RELIEF VALVE SETTING

Implement circuits	350 kgf/cm ² (4,980 psi)
Travel	350 kgf/cm ² (4,980 psi)
Power boost (boom, arm, bucket)	380 kgf/cm ² (5,400 psi)
Swing circuit	300 kgf/cm ² (4,270 psi)
Pilot circuit	40 kgf/cm ² (570 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

No. of cylinders bore X stroke	Boom: 0140 x 1,465 mm (05.5×57.7 in)
	Arm: 0150 x 1,765 mm (05.9×69.5 in)
	Bucket: 0135 x 1,185 mm (05.3×46.7 in)

DRIVES & BRAKES

Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	26,500 kgf (58,420 lbf)
Max. travel speed (high / low)	5.9 km/hr (3.67 mph) / 3.3 km/hr (2.05 mph)
Gradeability	35° (70%)
Parking brake	Multi wet disc brake

CONTROL

Pilot pressure operated joysticks and pedals provide very-low-effort 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



OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 6250 mm (20' 6") boom, 3050 mm (10' 0") arm, SAE heaped 1.27 m³ (1.66 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, 5,600 kg (12,350 lb) counterweight and all standard equipment.

OPERATING WEIGHT

Shoes		Operating weight		Ground pressure
Type	Width mm (in)		kg (lb)	kgf/cm ² (psi)
Triple grouser	700 (28")	HX300 L	31,270 (68,940)	0.52 (7.40)
	800 (32")	HX300 L	31,650 (69,780)	0.46 (6.54)
	900 (36")	HX300 L	32,030 (70,610)	0.42 (5.97)

SWING SYSTEM

Swing motor	Fixed displacement axial piston motor
Swing reduction	Planetary gear reduction
Swing bearing lubrication	Grease-bathed
Swing brake	Multi wet disc brake
Swing speed	10.2 rpm

SERVICE REFILL CAPACITIES

	liters	US gal
Refilling		
Fuel tank	500	132
Engine coolant	40	10.6
Engine oil	23	6.1
Swing device	11	2.9
Final drive (each)	7.8	2.06
Hydraulic system (including tank)	330	87
Hydraulic tank	190	50
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 rollers on each side	2 ea
No. of track rollers on each side	9 ea
No. of rail guards on each side	2 ea

SPECIFICATIONS

HX300L

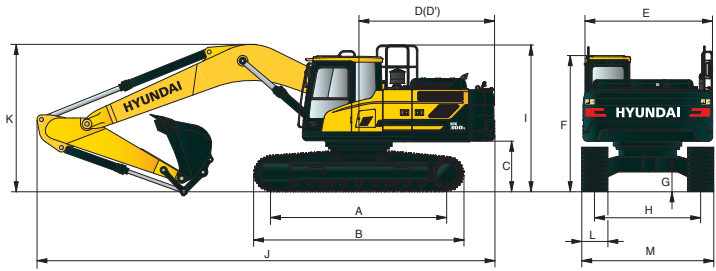
Tier 4 Final Engine

HX300 L DIMENSIONS

Unit: mm (ft-in)

6.25 m (20' 6") boom and 2.1 m (6' 11"), 2.5 m (8' 2"), 3.05 m (10' 0"), 3.75 m (12' 4") arm

A	Tumbler distance	4,030	(13' 3")
B	Overall length of crawler	4,940	(16' 2")
C	Ground clearance of counterweight	1,185	(3' 9")
D	Tail-swing radius	3,210	(10' 6")
D'	Rear-end length	3,120	(10' 3")
E	Overall width of upper structure	2,980	(9' 9")
F	Overall height of cab	3,130	(10' 3")
G	Min. ground clearance	500	(1' 8")
H	Track gauge	2,600	(8' 6")
I	Overall height of guardrail	3,335	(10' 9")



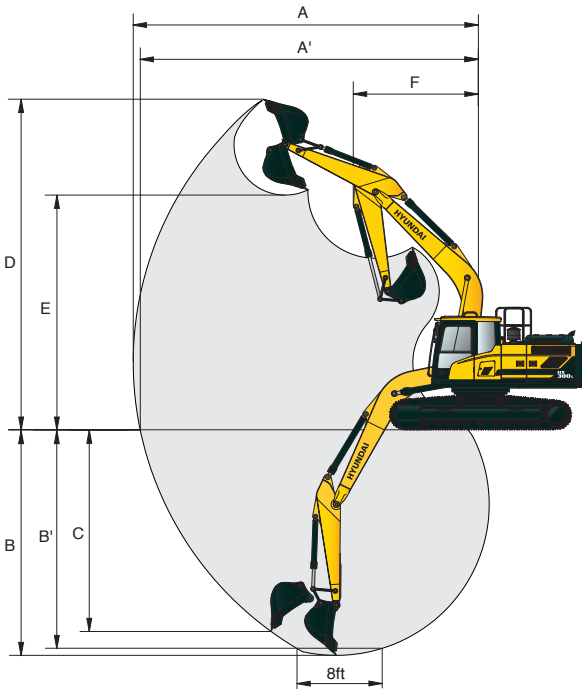
Boom length	6,250 (20' 6")			
Arm length	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")
J Overall length	10,700 (35' 1")	10,650 (34' 11")	10,560 (34' 8")	10,630 (34' 11")
K Overall height of boom	3,590 (11' 9")	3,470 (11' 5")	3,290 (10' 10")	3,500 (11' 6")

L Track shoe	Type	Triple grouser				Double grouser
	Width	600 (24")	700 (28")	800 (32")	900 (36")	700 (28")
M Overall width		3,200 (10' 6")	3,300 (10' 10")	3,400 (11' 1")	3,500 (11' 5")	3,300 (10' 10")

HX300 L WORKING RANGE

Unit : mm (ft-in)

Boom length	6,250 (20' 6")			
Arm length	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")
A Max. digging reach	10,020 (32' 10")	10,280 (33' 9")	10,820 (35' 6")	11,400 (37' 5")
A' Max. digging reach on ground	9,820 (32' 3")	10,080 (33' 1")	10,620 (34' 10")	11,220 (36' 10")
B Max. digging depth	6,440 (21' 2")	6,840 (22' 5")	7,390 (24' 3")	8,090 (26' 7")
B' Max. digging depth (8' level)	6,240 (20' 6")	6,630 (21' 9")	7,200 (23' 7")	7,920 (26' 0")
C Max. vertical wall digging depth	6,000 (19' 8")	5,850 (19' 2")	6,380 (20' 11")	7,080 (23' 3")
D Max. digging height	10,040 (32' 11")	10,000 (32' 10")	10,160 (33' 4")	10,360 (34' 0")
E Max. dumping height	6,940 (22' 9")	7,030 (23' 1")	7,110 (23' 4")	7,310 (24' 0")
F Min. swing radius	4,400 (14' 5")	4,300 (14' 1")	4,250 (13' 11")	4,200 (13' 9")



DIGGING FORCE

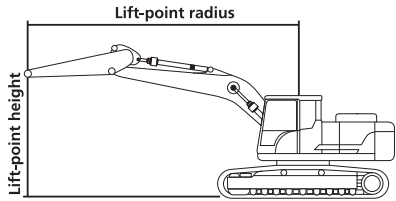
Boom	Length	mm (ft-in)	6,250 (20' 6")				10,200 (33' 6")	Remark
	Weight	kg (lb)	2,670 (5,900)				3,420 (7,540)	
Arm	Length	mm (ft-in)	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")	7,850 (25' 9")	
	Weight	kg (lb)	1,480 (3,260)	1,460 (3,220)	1,570 (3,460)	1,710 (3,770)	1,690 (3,730)	
Bucket digging force	SAE	kN	168.7 [183.1]	168.7 [183.1]	168.7 [183.1]	168.7 [183.1]	70	[] : Power Boost
		kgf	17200 [18670]	17200 [18670]	17200 [18670]	17200 [18670]	7100	
		lbf	37920 [41170]	37920 [41170]	37920 [41170]	37920 [41170]	15650	
	ISO	kN	192.2 [208.7]	192.2 [208.7]	192.2 [208.7]	192.2 [208.7]	80	
		kgf	19600 [21280]	19600 [21280]	19600 [21280]	19600 [21280]	8200	
		lbf	43210 [46910]	43210 [46910]	43210 [46910]	43210 [46910]	18080	
Arm crowd force	SAE	kN	180.4 [195.9]	156.9 [170.4]	131.4 [142.7]	114.7 [124.6]	47.1	
		kgf	18400 [19980]	16000 [17370]	13400 [14550]	11700 [12700]	4800	
		lbf	40570 [44050]	35270 [38290]	29540 [32070]	25790 [28000]	10580	
	ISO	kN	190.3 [206.6]	163.8 [177.8]	136.3 [148.0]	119.6 [129.9]	48.1	
		kgf	19400 [21060]	16700 [18130]	13900 [15090]	12200 [13250]	4900	
		lbf	42770 [46440]	36820 [39980]	30640 [33270]	26900 [29210]	10800	

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

SPECIFICATIONS

HX300L

Tier 4 Final Engine



Lifting Capacity

Boom: 6.25 m (20'6")
Arm: 3.05 m (10'0")
Bucket: 1.27 m³ (1.66yd³) SAE heaped
Shoe 800 mm (32") triple grouser, CWT 5,600 kg (12,350 lb)

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



Rating over-front



Rating over-side or 360 degree

Load point height (m / ft)		Load 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)		7.5 m (24.6 ft)		9.0 m (29.5 ft)		Capacity		Reach
																m (ft)
7.5 m	kg													*5,130	*5,130	7.30
24.6 ft	lb													*11,320	*11,320	(24.0)
6.0 m	kg									*7,000	6,200			*4,910	*4,910	8.24
19.7 ft	lb									*15,430	13,670			*10,820	*10,820	(27.0)
4.5 m	kg							*9,030	8,540	*8,190	6,040			*4,890	4,630	8.82
14.8 ft	lb							*19,910	18,820	*18,050	13,320			*10,780	10,210	(28.9)
3.0 m	kg					*14,430	12,320	*10,720	8,080	9,020	5,820	*6,110	4,390	*5,040	4,300	9.12
9.8 ft	lb					*31,810	27,170	*23,640	17,820	19,880	12,830	*13,460	9,690	*11,110	9,480	(29.9)
1.5 m	kg					*17,310	11,530	*12,320	7,680	8,780	5,600	6,680	4,300	*5,370	4,190	9.16
4.9 ft	lb					*38,160	25,430	*27,150	16,920	19,350	12,360	14,720	9,470	*11,840	9,230	(30.0)
0.0 m	kg					*18,290	11,190	12,050	7,410	8,600	5,450			*5,950	4,270	8.94
0.0 ft	lb					*40,330	24,660	26,560	16,340	18,960	12,000			*13,120	9,410	(29.3)
-1.5 m	kg	*8,490	*8,490	*12,490	*12,490	*18,700	11,120	11,920	7,300	8,530	5,380			*6,940	4,590	8.46
-4.9 ft	lb	*18,720	*18,720	*27,540	*27,540	*41,230	24,500	26,290	16,100	18,800	11,850			*15,310	10,120	(27.7)
-3.0 m	kg	*14,740	*14,740	*20,180	*20,180	*17,780	11,220	11,960	7,340	8,590	5,440			8,370	5,310	7.65
-9.8 ft	lb	*32,490	*32,490	*44,480	*44,480	*39,210	24,730	26,380	16,180	18,950	11,990			18,460	11,710	(25.1)
-4.5 m	kg			*21,510	*21,510	*15,510	11,500	*11,430	7,560					*10,410	6,980	6.38
-14.8 ft	lb			*47,420	*47,420	*34,190	25,360	*25,200	16,670					*22,940	15,380	(20.9)

NOTES:

1. Lifting capacities are based on ISO 10567.
2. 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.
3. The Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
4. (*) indicates load limited by hydraulic capacity.



SPECIFICATIONS HX300L

Tier 4 Final Engine

ENGINE	STD	OPT
Cummins QSB 6.7 engine	●	
HYDRAULIC SYSTEM		
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 / hands-free 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 and cool box	●	
Storage compartment and 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 and 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		●

CAB & INTERIOR	STD	OPT
Seat		
Adjustable air suspension seat with heater	●	
Cabin FOPS/FOG		
FOG ISO 10262 Level 2	Front and top guard	●
(FOPS ISO 3449 Level 2)	Top guard	●
Cabin ROPS		
ROPS 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		●
Swing lock system		●
Three outside rearview mirrors	●	

OTHER	STD	OPT
Booms		
6.25 m, 20' 6"	●	
10.2 m, 33' 6" Long reach		●
Arms		
2.1 m, 6' 11"		●
2.5 m, 8' 2"		●
3.05 m, 10' 0"	●	
3.75 m, 12' 4"		●
7.85 m, 25' 9" Long reach		●
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 float control		●
One-pedal straight travel system		●
Pilot accumulator	●	
Pattern-change valve (SAE and ISO)	●	
Tool kit		●

UNDERCARRIAGE	STD	OPT
Lower frame under cover (additional)		●
Lower frame under cover (normal)	●	
Track shoes		
Triple grouser shoes (700 mm, 28")		●
Triple grouser shoes (800 mm, 32")	●	
Triple grouser shoes (900 mm, 36")		●
Track rail guard	●	
Full track rail guard		●

NOTE: Standard and optional equipment may vary. Materials and specifications are subject to change without advance notice. Contact your Hyundai dealer for more information.

PLEASE CONTACT



www.hceamericas.com

6100 Atlantic Blvd., Norcross, GA 30071

TEL (678) 823 7777 FAX (678) 823 7778