

# SPECIFICATIONS

# HX300L

Tier 4 Final Engine

<b>Net Power</b> SAE J1349 / 230 HP (171 kW) at 1,950 rpm	<b>Bucket Range</b> 0.68yd <sup>3</sup> - 2.42yd <sup>3</sup> <b>Standard Bucket</b> 1.66 yd <sup>3</sup>	<b>Operating Weight</b> 30,200 kg / 66,580 lbs
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## ENGINE

Maker / 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
	DIN 6271/1 (gross)	245 PS (180 kW) at 1,950 rpm
	DIN 6271/1 (net)	233 PS (171 kW) at 1,950 rpm
Max. torque	100.9 kgf-m (990 lbf-ft) at 1500 rpm	
Bore X stroke	107x124 mm (4.21" x 4.88")	
Piston displacement	6700 cc (409 in <sup>3</sup> )	
Batteries	2x12 Vx160 Ah	
Starting motor	Denso 24 V-4.8 kW	
Alternator	Denso 24 V-95 A	

## HYDRAULIC SYSTEM

### MAIN PUMP

Type	Variable displacement tandem axis piston pumps
Max. flow	2x273 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 <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> (570 psi)
Service valve	Installed

### HYDRAULIC CYLINDERS

No. of cylinder bore X stroke	Boom: Ø5.5x57.7 in
	Arm: Ø5.9x69.5 in
	Bucket: Ø5.3x46.7 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 (58,400 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 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 6,250mm (20' 6") boom, 3,050mm (10' 0") arm, SAE heaped 1.27m<sup>3</sup> (1.66 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")	HX300 L 30,200 (66,580)	0.58 (8.25)
	700 (28")	HX300 L 30,770 (67,840)	0.51 (7.25)
	800 (32")	HX300 L 31,150 (68,670)	0.45 (6.40)
	900 (36")	HX300 L 31,530 (69,510)	0.41 (5.83)
Double grouser	700 (28")	HX300 L 31,680 (69,840)	0.52 (7.39)



## 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

Re-filling	liters	US gal
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.

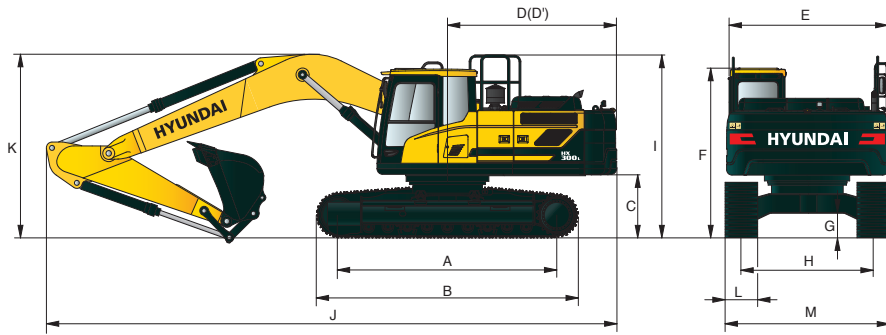
Center frame	X - leg type
Track frame	Pentagonal box type
No. of shoes on each side	48 EA
No. of carrier roller on each side	2 EA
No. of track roller on each side	9 EA
No. of rail guard on each side	2 EA

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## HX300L DIMENSIONS

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' 5")
D'	Rear-end length	3,120 (10' 3")
E	Overall width of upperstructure	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")

Unit : mm (ft-in)

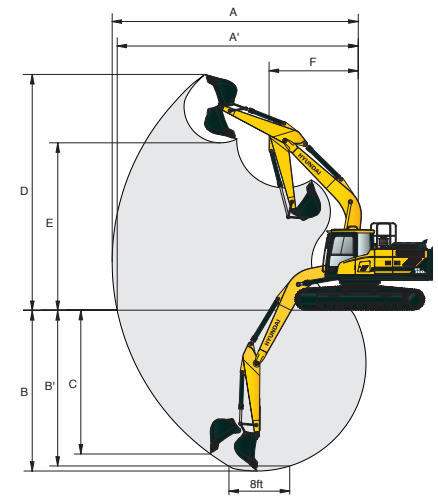
Boom length	6,250 (20' 6")			
Arm length	2,100 (6' 11")	2,500 (8' 2")	3,050 (10' 0")	3,750 (12' 4")
J Overall length	10,700 (35' 1")	10,650 (34' 11")	10,560 (34' 8")	10,630 (34' 11")
K Overall height of boom	3,590 (11' 9")	3,470 (11' 5")	3,290 (10' 10")	3,500 (11' 6")

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")

## HX300L 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	
Arm crowd force	SAE	kgf	19600 [21280]	19600 [21280]	19600 [21280]	19600 [21280]	8200	
		lbf	43210 [46910]	43210 [46910]	43210 [46910]	43210 [46910]	18080	
	ISO	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

ENGINE	STD	OPT
Cummins QSB 6.7 engine	●	
<b>HYDRAULIC SYSTEM</b>		
<b>Intelligent Power Control (IPC)</b>		
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	●	
<b>CAB &amp; INTERIOR</b>		
<b>ISO Standard cabin</b>		
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	●	
<b>Automatic climate control</b>		
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		●
<b>Seat</b>		
Adjustable air suspension seat with heater	●	
<b>Cabin FOPS/FOG</b>		
FOPS (Falling Object Protective Structures)ISO 3449 Level 2		●
FOG (Falling Object Guard) Front & Top Guard		●
ISO/DIS 10262 Level 2 Top Guard		●
<b>Cabin ROPS</b>		
ROPS (Roll Over Protective Structures)ISO 12117-2	●	
<b>SAFETY</b>		
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
<b>Booms</b>		
6.25 m, 20' 6"	●	
10.2 m, 33' 6" Long reach		●
<b>Arms</b>		
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 floating control		●
One Pedal Straight Travel System		●
Accumulator for lowering work equipment	●	
Pattern change valve (2 patterns)	●	●
Tool kit		●
<b>UNDERCARRIAGE</b>		
Lower frame under cover (Additional)	●	
Lower frame under cover (Normal)	●	
<b>Track shoes</b>		
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



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