

# SPECIFICATIONS

# HX380L

Tier 4 Final Engine

**Net Power**  
SAE J1349 / 300 HP  
(224 kW) at 1,650 rpm

**Bucket Range**  
1.91 yd<sup>3</sup> - 3.03 yd<sup>3</sup>  
**Standard Bucket**  
2.12 yd<sup>3</sup>

**Operating Weight**  
38,920 kg / 85,800 lbs

ENGINE			
Maker / Model		Cummins QSL9	
Type		4-cycle turbocharged, charge air cooled, diesel engine	
Rated flywheel horse power	SAE	J1995 (gross)	316 HP (236 kW) at 1,650 rpm
		J1349 (net)	300 HP (224 kW) at 1,650 rpm
	DIN	6271/1 (gross)	320 PS (236 kW) at 1,650 rpm
		6271/1 (net)	304 PS (224 kW) at 1,650 rpm
Max. torque		145.3 kgf·m (1,050 lbf·ft) at 1,500 rpm	
Bore X stroke		114×145 mm (4.49"×5.69")	
Piston displacement		8900 cc (543 cu in)	
Batteries		2×12 V×160 Ah	
Starting motor		Denso 24 V-7.8 kW	
Alternator		Denso 24 V-95 A	

HYDRAULIC SYSTEM	
<b>MAIN PUMP</b>	
Type	Variable displacement piston pumps
Max. flow	2×288.8 lpm (76.3 gpm)
Sub-pump for pilot circuit	Gear pump

Cross-sensing and fuel saving pump system

HYDRAULIC MOTORS	
Travel	Two speed axial pistons motor with brake motor with automatic brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING	
Implement circuits	330 kgf/cm <sup>2</sup> (4,690 psi)
Travel	360 kgf/cm <sup>2</sup> (5,120 psi)
Power boost (boom, arm, bucket)	360 kgf/cm <sup>2</sup> (5,120 psi)
Swing circuit	290 kgf/cm <sup>2</sup> (4,120 psi)
Pilot circuit	40 kgf/cm <sup>2</sup> (569 psi)
Service valve	Installed

HYDRAULIC CYLINDERS	
No. of cylinder bore X stroke	Boom: Ø160×59.1 in
	Arm: Ø170×69.3 in
	Bucket: Ø150×51.0 in

DRIVES & BRAKES	
Drive method	Fully hydrostatic type
Drive motor	Axial piston motor, in-shoe design
Reduction system	Planetary reduction gear
Max. drawbar pull	30,500 kgf (67,240 lbf)
Max. travel speed (high / low)	5.0 km/hr (3.10 mph) / 3.1 km/hr (1.92 mph)
Gradeability	35° (70%)
Parking brake	Multi wet disc brake

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

OPERATING WEIGHT (APPROXIMATE)	
Operating weight, including 6,500mm (21' 4") boom, 3,200mm (10' 6") arm, SAE heaped 1.62m <sup>3</sup> (2.12 yd <sup>3</sup> ) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipments.	

OPERATING WEIGHT				
Shoes	Operating weight		Ground pressure	
Type	Width mm (in)	kg (lb)	kgf/cm <sup>2</sup> (psi)	
Triple grouser	600 (24")	HX380 L	38,920 (85,800)	0.70 (9.95)
	700 (28")	HX380 L	39,370 (86,800)	0.61 (8.67)
	750 (30")	HX380 L	39,595 (87,290)	0.57 (8.11)
	800 (32")	HX380 L	39,820 (87,790)	0.54 (7.68)
	900 (36")	HX380 L	40,270 (88,780)	0.48 (6.83)
Double grouser	600 (28")	HX380 L	39,165 (86,340)	0.70 (9.95)
	700 (28")	HX380 L	29,665 (87,450)	0.61 (8.67)
Heavy duty grouser	600 (24")	HX380 HD	39,280 (86,600)	0.71 (10.10)
	700 (28")	HX380 HD	39,775 (87,690)	0.61 (8.67)



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	9.5 rpm

SERVICE REFILL CAPACITIES		
Re-filling	liter	US gal
Fuel tank	550	145
Engine coolant	55	14.5
Engine oil	30	7.9
Swing device	8	2.1
Final drive (each)	5.5	1.5
Hydraulic system (including tank)	414	109
Hydraulic tank	210	55
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	51 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

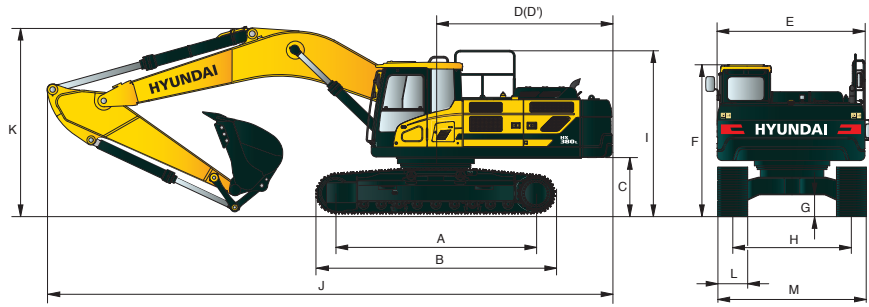
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## HX380L

Tier 4 Final Engine

### HX380L DIMENSIONS

6.5 m (21' 4") Boom and 2.5 m (8' 2"), 3.2 m (10' 6"), 3.9 m (12' 10") Arm



A	Tumbler distance	4,340 (14' 3")
B	Overall length of crawler	5,280 (17' 4")
C	Ground clearance of counterweight	1,295 (4' 2")
D	Tail swing radius	3,640 (11' 9")
D'	Rear-end length	3,555 (11' 7")
E	Overall width of upperstructure	2,980 (9' 9")
F	Overall height of cab	3,240 (10' 6")
G	Min. ground clearance	550 (1' 10")
H	Track gauge	2,740 (9' 0")
I	Overall height of guardrail	3,445 (10' 3")

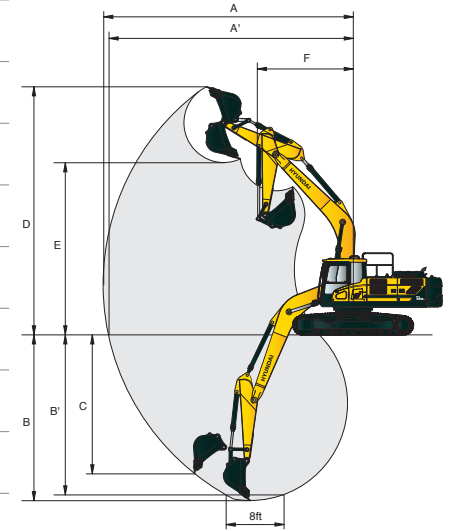
Unit : mm (ft-in)

Boom length	6,500 (21' 4")				
Arm length	2,500 (8' 2")	3,200 (10' 6")	3,900 (12' 10")		
J Overall length	11,450 (37' 7")	11,400 (30' 5")	11,400 (37' 5")		
K Overall height of boom	3,740 (12' 3")	3,630 (11' 11")	3,740 (12' 3")		
L Track shoe width	600 (24")	700 (28")	750 (30")	800 (32")	900 (36")
M Overall width	3,340 (10' 11")	3,440 (11' 3")	3,490 (11' 5")	3,540 (11' 7")	3,640 (11' 11")

### HX380L WORKING RANGE

Unit : mm (ft-in)

Boom length	6,500 (21' 4")		
Arm length	2,500 (8' 2")	3,200 (10' 6")	3,900 (12' 10")
A Max. digging reach	10,650 (34' 11")	11,160 (36' 7")	11,820 (38' 9")
A' Max. digging reach on ground	10,410 (34' 2")	10,930 (35' 10")	11,620 (38' 1")
B Max. digging depth	6,820 (22' 5")	7,520 (24' 8")	8,220 (27' 0")
B' Max. digging depth (8' level)	6,640 (21' 5")	7,360 (24' 2")	8,080 (26' 6")
C Max. vertical wall digging depth	5,030 (16' 6")	5,480 (18' 0")	6,300 (20' 8")
D Max. digging height	10,330 (33' 11")	10,270 (33' 8")	10,610 (34' 10")
E Max. dumping height	7,190 (23' 7")	7,190 (23' 7")	7,500 (24' 7")
F Min. swing radius	4,490 (14' 9")	4,490 (14' 9")	4,350 (14' 3")



### DIGGING FORCE

Boom	Length	mm (ft-in)	6,500 (21' 4")			Remark
	Weight	kg (lb)	3,850 (8,490)			
Arm	Length	mm (ft-in)	2,500 (8' 2")	3,200 (10' 6")	3,900 (12' 10")	
	Weight	kg (lb)	1,960 (4,320)	2,120 (4,670)	2,190 (4,830)	
Bucket digging force	SAE	kN	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]	
		kgf	20,500 [22,360]	20,500 [22,360]	20,500 [22,360]	
		lbf	45,190 [49,300]	45,190 [49,300]	45,190 [49,300]	
	ISO	kN	228.5 [249.3]	228.5 [249.3]	228.5 [249.3]	
		kgf	23,300 [25,420]	23,300 [25,420]	23,300 [25,420]	
		lbf	51,370 [56,040]	51,370 [56,040]	51,370 [56,040]	
Arm crowd force	SAE	kN	192.2 [209.7]	160.8 [175.4]	160.8 [175.4]	[]: Power Boost
		kgf	19,600 [21,380]	16,400 [17,890]	16,400 [17,890]	
		lbf	43,210 [47,130]	36,160 [39,440]	36,160 [39,440]	
	ISO	kN	200.1 [218.2]	165.7 [180.8]	165.7 [180.8]	
		kgf	20,400 [22,250]	16,900 [18,440]	16,900 [18,440]	
		lbf	44,970 [49,050]	37,260 [40,650]	37,260 [40,650]	

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











# SPECIFICATIONS

## HX380L















Tier 4 Final Engine

### HX380L LIFTING CAPACITY - 6.50 m (21' 4") boom equipped with 1.62 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe

6.50 m (21' 4") boom, 2.50 m (8' 2") arm equipped with 1.62 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)		Load radius								At max. reach		Reach m (ft)
		3.0 m (10 ft)		4.5 m (15 ft)		6.0 m (20 ft)		7.5 m (25 ft)		Capacity		
												
9.0 m (30 ft)	kg lb									*6870	*6870	6.69 (21.9)
7.5 m (25 ft)	kg lb									*15150	*15150	8.04 (26.4)
6.0 m (20 ft)	kg lb					*7870 *17350	*7870 *17350	*7290 *16070	6420 14150	*6820 *15040	4450 9810	8.90 (29.2)
4.5 m (15 ft)	kg lb			*12110 *26700	*12110 *26700	*9260 *20410	9080 20020	*7920 *17460	6130 13510	6940 15300	3830 8440	9.41 (30.9)
3.0 m (10 ft)	kg lb			*15660 *34520	12950 28550	*10910 *24050	8340 18390	*8770 *19330	5760 12700	6500 14330	3520 7760	9.64 (31.6)
1.5 m (5 ft)	kg lb			*17900 *39460	11950 26350	*12310 *27140	7740 17060	*9570 *21100	5430 11970	6430 14180	3440 7580	9.61 (31.5)
Ground Line	kg lb			*18450 *40680	11650 25680	*13100 *28880	7390 16290	9620 21210	5200 11460	6720 14820	3590 7910	9.32 (30.6)
-1.5 m (-5 ft)	kg lb	*17120 *37740	*17120 *37740	*17970 *39620	11670 25730	*13160 *29010	7290 16070	9530 21010	5130 11310	7520 16580	4050 8930	8.73 (28.6)
-3.0 m (-10 ft)	kg lb	*22880 *50440	*22880 *50440	*16570 *36530	11900 26230	*12350 *27230	7390 16290			*8190 *18060	5070 11180	7.77 (25.5)
-4.5 m (-15 ft)	kg lb	*18610 *41030	*18610 *41030	*13720 *30250	12400 27340					*7770 *17130	7640 16840	6.25 (20.5)

6.50 m (21' 4") boom, 3.20 m (10' 6") arm equipped with 1.62 m<sup>3</sup> (SAE heaped) bucket and 600 mm (24") triple grouser shoe.

Load point height m (ft)		Load radius								At max. reach		Reach m (ft)				
		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	
																
9.0 m (30 ft)	kg lb													*5840	*5840	7.44 (24.4)
7.5 m (25 ft)	kg lb									*6080 *13400	*6080 *13400			*12870	*12870	8.66 (28.4)
6.0 m (20 ft)	kg lb									*6370 *14040	*6370 *14040			*6010	3980	9.46 (31.0)
4.5 m (15 ft)	kg lb					*8110 *17880	*8110 *17880	*7090 *15630	6260 13800	*6320 *13930	4350 9590	*6220	3440	*13710	7580	9.94 (32.6)
3.0 m (10 ft)	kg lb			*13710 *30230	13600 29980	*9860 *21740	8550 18850	*8030 *17700	5840 12870	*7050 *15540	4140 9130	5920	3150	13050	6940	10.16 (33.3)
1.5 m (5 ft)	kg lb			*16620 *36640	12240 26980	*11480 *25310	7840 17280	*8970 *19780	5440 11990	7250 15980	3920 8640	5830	3050	12850	6720	10.13 (33.2)
Ground Line	kg lb			*11670 *25730	*11670 *25730	*18010 *39710	11600 25570	*12600 *27780	7360 16230	9570 21100	5150 11350	7060	3760	6030	3150	9.85 (32.3)
-1.5 m (-5 ft)	kg lb	*13240 *29190	*13240 *29190	*16670 *36750	*16670 *36750	*18180 *40080	11420 25180	*13040 *28750	7140 15740	9390 20700	4990 11000	6630	3490	14620	7690	9.30 (30.5)
-3.0 m (-10 ft)	kg lb	*17860 *39370	*17860 *39370	*22550 *49710	*22550 *49710	*17340 *38230	11520 25400	*12710 *28020	7140 15740	9400 20720	5000 11020	*7870	4240	*17350	9350	8.41 (27.6)
-4.5 m (-15 ft)	kg lb			*21770 *47990	*21770 *47990	*15310 *33750	11880 26190	*11270 *24850	7370 16250			*8060	5950	*17770	13120	7.05 (23.1)
-6.0 m (-20 ft)	kg lb					*11030 *24320	*11030 *24320									

1. Lifting capacity are based on SAE J1097 and ISO 10567.

2. Lifting capacity of the ROBEX series does not exceed 75% of tipping load with the machine on firm, level ground or 87% of full hydraulic capacity.

3. The load point is a hook located on the back of the bucket.

4. (\*) indicates load limited by hydraulic capacity.

# SPECIFICATIONS HX380L

Tier 4 Final Engine

ENGINE	STD	OPT
Cummins QSL 9 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	●	

<b>Centralized monitoring</b>		
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>		
	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 mirror	●	

OTHER	STD	OPT
<b>Booms</b>		
6.15m, 20' 2"		●
6.5m, 21' 4"	●	
<b>Arms</b>		
2.5 m, 8' 2"		●
3.2 m, 10' 6"	●	
3.9 m, 12' 10"		●
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 L/min)		●
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>		
	STD	OPT
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 (750 mm, 30")		●
Triple grousers shoe (800 mm, 32")	●	
Triple grousers shoe (900 mm, 36")		●
Double grousers shoe (600 mm, 24")		●
Double grousers shoe (700 mm, 28")		●
Heavy duty grousers shoe (600 mm, 24")		●
Heavy duty 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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