SPECIFICATIONS
HX380L

Tier 4 Final Engine

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

Bucket Range
1.91 - 3.03 yd³
(1.46 - 2.31 m³)
Standard Bucket
2.12 yd³ (1.62 m³)

Operating Weight
40,320 kg / 88,890 lb

ENGINE

Make / model		Cummins QSL9
Type		4-cycle air-cooled, charge air-cooled, diesel engine
Rated flywheel horse-power	SAE J1995 (gross)	359 HP (267 kW) at 1,650 rpm
	SAE J1349 (net)	344 HP (257 kW) at 1,650 rpm
Max. torque		166 kgf·m (1,186 lbf·ft)
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		24 V-7.8 kW
Alternator		24 V-95 A

HYDRAULIC SYSTEM

MAIN PUMP

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 piston motor with brake motor with automatic brake
Swing	Axial piston motor with automatic brake

RELIEF VALVE SETTING

Implement circuits	330 kgf/cm² (4,690 psi)
Travel	360 kgf/cm² (5,120 psi)
Power boost (boom, arm, bucket)	360 kgf/cm² (5,120 psi)
Swing circuit	290 kgf/cm² (4,120 psi)
Pilot circuit	40 kgf/cm² (569 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

No. of cylinders bore X stroke	Boom: 0160 x 1,500 mm (0160 × 59.1 in)
	Arm: 0170 x 1,760 mm(0170 × 69.3 in)
	Bucket: 0150 x 1,295 mm (0150 × 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 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 6500 mm (21' 4") boom, 3200 mm (10' 6") arm, SAE heaped 1.62 m³ (2.12 yd³) bucket, lubricant, coolant, full fuel tank, full hydraulic tank, 7,000 kg (15,430 lb) counterweight and all standard equipment.

OPERATING WEIGHT

Shoes		Operating weight		Ground pressure
Type	Width mm (in)		kg (lb)	kgf/cm² (psi)
Triple grouser	700 (28")	HX380 L	39,870 (87,900)	0.62 (8.82)
	800 (32")	HX380 L	40,320 (88,890)	0.55 (7.82)
	900 (36")	HX380 L	40,770 (89,880)	0.49 (6.97)

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	9.5 rpm

SERVICE REFILL CAPACITIES

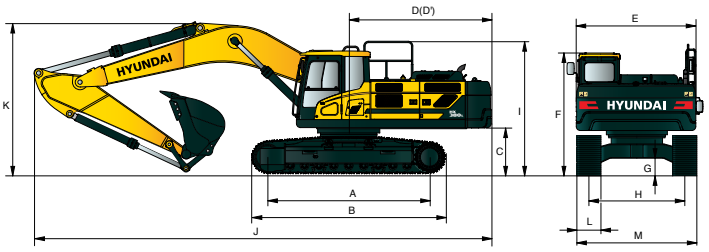
Refilling	liter	US gal
Fuel tank	600	158.5
Engine coolant	55	14.5
Engine oil	30	7.9
Swing device	8	2.1
Final drive (each)	5.5	1.5
Hydraulic system (including tank)	414	109
Hydraulic tank	210	55
DEF/AdBlue®	42.5	11.2

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 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
HX380L
Tier 4 Final Engine



HX380 L DIMENSIONS

Unit: mm (ft·in)

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 upper structure	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")

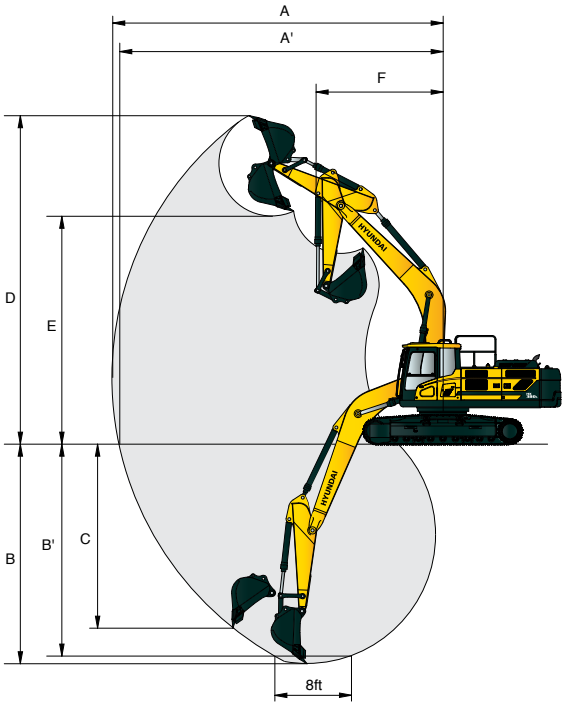
	Boom length	6,500 (21' 4")		
	Arm length	2,500 (8' 2")	3,200 (10' 6")	3,900 (12' 10")
J	Overall length	11,450 (37' 7")	11,400 (30' 5")	11,400 (37' 5")
K	Overall height of boom	3,740 (12' 3")	3,630 (11' 11")	3,740 (12' 3")

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")

HX380 L 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")

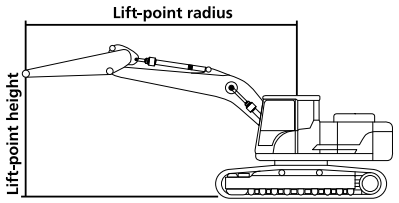


DIGGING FORCE

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]	[ ]: Power Boost
		kgf	20,500 [22,360]	20,500 [22,360]	20,500 [22360]	
		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]	137.3 [149.7]	
		kgf	19,600 [21,380]	16,400 [17,890]	14,000 [15,270]	
		lbf	43,210 [47,130]	36,160 [39,440]	30,860 [33,660]	
	ISO	kN	200.1 [218.2]	165.7 [180.8]	141.2 [154.1]	
		kgf	20,400 [22,250]	16,900 [18,440]	14,400 [15,710]	
		lbf	44,970 [49,050]	37,260 [40,650]	31,750 [34,630]	

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

SPECIFICATIONS
HX380L
Tier 4 Final Engine



Lifting Capacity

Boom: 6.50 m (21'4")
Arm: 3.2 m (10'6")
Bucket: 1.62 m³ (2.12 yd³) SAE heaped
Shoe 800 mm (32") triple grouser, CWT 7,000 kg (15,430 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
7.5 m	kg									*7,490	*7,490			*6,530	6,480	8.59
24.6 ft	lb									*16,510	*16,510			*14,400	14,290	(28.2)
6.0 m	kg									*8,500	8,120	*7,160	5,920	*6,410	5,500	9.36
19.7 ft	lb									*18,740	17,910	*15,800	13,060	*14,140	12,120	(30.7)
4.5 m	kg							*11,310	11,150	*10,190	7,820	*8,110	5,790	*6,500	4,930	9.85
14.8 ft	lb							*24,930	24,570	*22,470	17,250	*17,880	12,770	*14,320	10,880	(32.3)
3.0 m	kg					*18,370	16,150	*13,740	10,450	*11,530	7,460	9,210	5,600	*6,760	4,630	10.08
9.8 ft	lb					*40,490	35,600	*30,300	23,030	*25,420	16,440	20,310	12,350	*14,910	10,200	(33.1)
1.5 m	kg					*22,510	14,890	*16,040	9,800	11,930	7,100	8,990	5,400	*7,240	4,510	10.09
4.9 ft	lb					*49,630	32,820	*35,370	21,620	26,290	15,650	19,830	11,910	*15,970	9,950	(33.1)
0.0 m	kg			*8,740	*8,740	*19,500	14,220	16,490	9,350	11,610	6,820	8,820	5,240	7,690	4,580	9.87
0.0 ft	lb			*19,270	*19,270	*42,990	31,350	36,350	20,620	25,600	15,040	19,440	11,560	16,960	10,100	(32.4)
-1.5 m	kg	*9,590	*9,590	*14,060	*14,060	*23,310	13,990	16,220	9,120	11,430	6,660	8,730	5,160	8,210	4,870	9.39
-4.9 ft	lb	*21,150	*21,150	*31,000	*31,000	*51,400	30,840	35,750	20,110	25,190	14,680	19,250	11,380	18,110	10,740	(30.8)
-3.0 m	kg	*15,200	*15,200	*20,770	*20,770	*24,480	14,030	16,170	9,090	11,400	6,640			*9,280	5,500	8.63
-9.8 ft	lb	*33,510	*33,510	*45,780	*45,780	*53,980	30,920	35,650	20,030	25,140	14,630			*20,470	12,120	(28.3)
-4.5 m	kg	*21,940	*21,940	*24,790	*24,790	*22,230	14,290	16,360	9,240					11,600	6,810	7.50
-14.8 ft	lb	*48,380	*48,380	*54,660	*54,660	*49,010	31,500	36,060	20,370					25,580	15,020	(24.6)
-6.0 m	kg			*24,290	*24,290	*17,490	14,850							*13,180	10,290	5.76
-19.7 ft	lb			*53,550	*53,550	*38,560	32,750							*29,050	22,690	(18.9)

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
HX380L
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 / 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		●
Three outside rearview mirrors	●	

OTHER		STD	OPT
Booms			
6.15 m, 20' 2"			●
6.5 m, 21' 4"		●	
Arms			
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 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

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Made in the U.S.A.
1010-EX-SP Rev 10/2016