

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

1.62 m³ (2.12 yd³)

Operating Weight

40,320 kg / 88,890 lb

ENGINE

Maker / Model	Cummins QSL9	
Type	4-cycle turbocharged, charge air-cooled, diesel engine	
Rated flywheel horsepower	SAE J1995 (gross)	359 HP (267 kW) at 1,650 rpm
	J1349 (net)	344 HP (257 kW) at 1,650 rpm
Max. torque	166 kgf-m (1,186 lbf-ft)	
Bore x stroke	114 x 145 mm (4.49" x 5.69")	
Piston displacement	8,900 cc (543 in ³)	
Batteries	2 x 12 V x 160 Ah	
Starting motor	24 V - 7.8 kW	
Alternator	24 V - 95 Amp	

HYDRAULIC SYSTEM

MAIN PUMP

Type	Variable displacement tandem axis piston pumps
Max. flow	2 x 288.8 l/min (76.3 gpm)
Sub-pump for pilot circuit (Gear Pump)	24.75 l/min (6.5 gpm)

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	390 kgf/cm ² (5,550 psi)
Travel	360 kgf/cm ² (5,120 psi)
Power boost (boom, arm, bucket)	360 kgf/cm ² (5,120 psi)
Swing circuit	290 kgf/cm ² (4,120 psi)
Pilot circuit	40 kgf/cm ² (569 psi)
Service valve	Installed

HYDRAULIC CYLINDERS

No. of cylinder bore X stroke	Boom: 160 x 1,500 mm (160 x 59.1")
	Arm: 170 x 1,760 mm (170 x 69.3")
	Bucket: 150 x 1,295 mm (150 x 51.0")

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

CONTROL

Pilot pressure-operated joysticks and pedals with detachable lever provide more-precise control, with reduced effort and fatigue.

Pilot control	Two joysticks with one safety lever (LH) Swing and arm (RH) Boom and bucket
Traveling and steering	Two levers with pedals
Engine throttle	Electric, dial type



OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 6,500 mm (21' 4") boom, 3,200 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/cm ² (psi)
Triple grouser	700 (28")	HX380L 39,870 (87,900)	0.62 (8.82)
	800 (32")	HX380L 40,320 (88,890)	0.55 (7.82)
	900 (36")	HX380L 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
Swing speed	9.5 rpm

SERVICE REFILL CAPACITIES

Re-filling	liters	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® tank	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

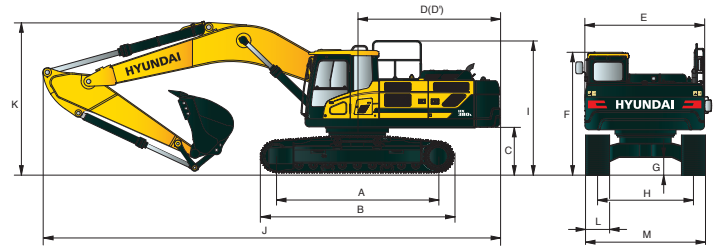
Tier 4 Final Engine

HX380L 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	Tailswing 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")

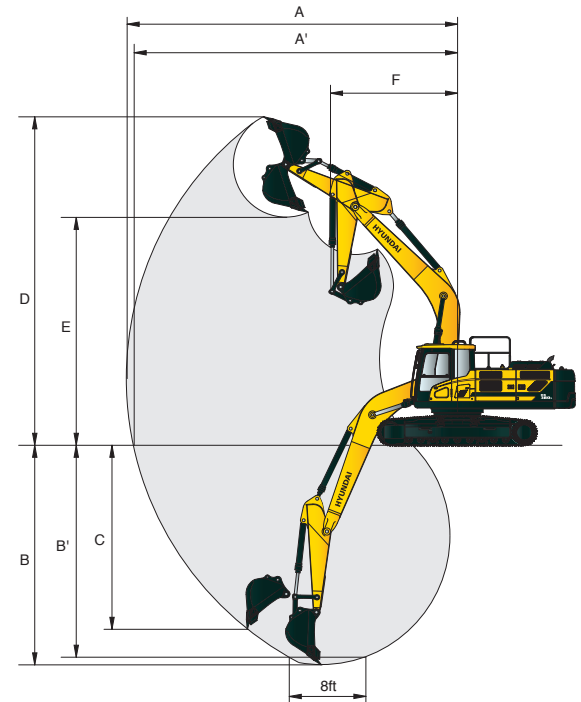


Boom length	6,500 (21' 4")				
Arm length	2,500 (8' 2")	3,200 (10' 6")	3,900 (12' 10")		
J Overall length	11,450 (37' 7")	11,400 (30' 5")	11,400 (37' 5")		
K Overall height of boom	3,740 (12' 3")	3,630 (11' 11")	3,740 (12' 3")		
L Track shoe width	600 (24")	700 (28")	750 (30")	800 (32")	900 (36")
M Overall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

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

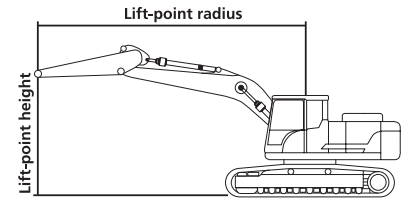
Boom	Length	mm (ft-in)	6,500 (21' 4")		
	Weight	kg (lb)	3,850 (8,490)		
Arm	Length	mm (ft-in)	2,500 (8' 2")	3,200 (10' 6")	3,900 (12' 10")
	Weight	kg (lb)	1,960 (4,320)	2,120 (4,670)	2,190 (4,830)
Bucket digging force	SAE	kN	201.0 [219.3]	201.0 [219.3]	201.0 [219.3]
		kgf	20,500 [22,360]	20,500 [22,360]	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]	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

[Power Boost]

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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

Lift-point height m (ft)		Lift-point 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									*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)
Ground Line	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
	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:

- Lifting capacities are based on 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 Lift-point is bucket pivot mounting pin on the arm (without bucket mass).
- (*) indicates load limited by hydraulic capacity.



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Tier 4 Final Engine

ENGINE	STD	OPT
Cummins QSL 9 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		
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 adjustable joystick	•	
Console box height adjust system	•	
Cabin lights	•	
Cabin front window rain guard		•
Cabin roof-steel cover		•
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	•	
Hydraulic oil temperature gauge	•	
Fuel warmer	•	
Warnings	•	
Communication error	•	
Low battery	•	
Clock	•	

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		
Battery master switch		
Battery master switch		•
Rearview camera		•
AAVM (All-Around View Monitoring)		•
Six front working lights (4 boom mounted, 2 front frame mounted)		•
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		
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		
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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