

HYUNDAI

HX400L SPECIFICATIONS

Net Power
336 hp (250 kW) at 1,800 rpm

Operating Weight
92,528 lb (41,970 kg)

Standard Bucket
2.66 yd³ (2.03 m³)

ENGINE

Make / Model	HYUNDAI / DX08
Type	4-cycle, turbocharged, charge air-cooled, controlled by ECU
Net Power (SAE J1349)	336 hp (250 kW) at 1,800 rpm
Max. Power (SAE J1995)	340 hp (254 kW) at 1,800 rpm
Max. Torque	1,077 lb ft (1,460 Nm) at 1,300 rpm

HYDRAULIC SYSTEM

MAIN PUMP

Cross-sensing and fuel-saving pump system.

Type	Variable-displacement, tandem-axis piston pumps
Max. Oil Flow	2 × 95.1 gpm (2 × 360 ℓ/min)
Rated Speed	1,800 rpm

HYDRAULIC MOTORS

Travel	Variable-displacement axial piston motor
Swing	Axial piston motor

RELIEF-VALVE SETTING

Maximum Pressure	350 kgf/cm ² (4,980 psi)
Maximum Pressure (Power Boost)	370 kgf/cm ² (5,270 psi)

HYDRAULIC CYLINDERS

No. of Cylinders Bore × Stroke	Boom	6.3" × 57" (160 × 1450 mm)
	Arm	6.7" × 71" (170 × 1805 mm)
	Bucket	5.9" × 51" (150 × 1300 mm)

DRIVES & BRAKES

Drive Method	Variable-displacement axial piston motor	
Braking System	Automatic, spring-applied hydraulic release	
Max. Drawbar Pull	76,941 lbf (34,900 kgf/cm ²)	
Travel Speed	High	3.48 mph (5.6 km/h) /
	Low	1.98 mph (3.2 km/h)
Gradeability	70% (35°)	
Parking Brake	Multi wet disc	

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
Traveling and Steering	Two levers with pedals
Engine Throttle	Electric, dial type

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	9.9 rpm
Swing Torque	108,421 lb ft (147 kNm)

COOLANT & LUBRICANT CAPACITY

Fuel Tank	158.5 (600)
Engine Coolant	12.4 (46.75)
Engine Oil	9.2 (35)
Hydraulic System (Including Tank)	125.5 (475)
Hydraulic Tank	65.3 (247)
Def/Adblue®	19.0 (72)

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	50 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	3 EA

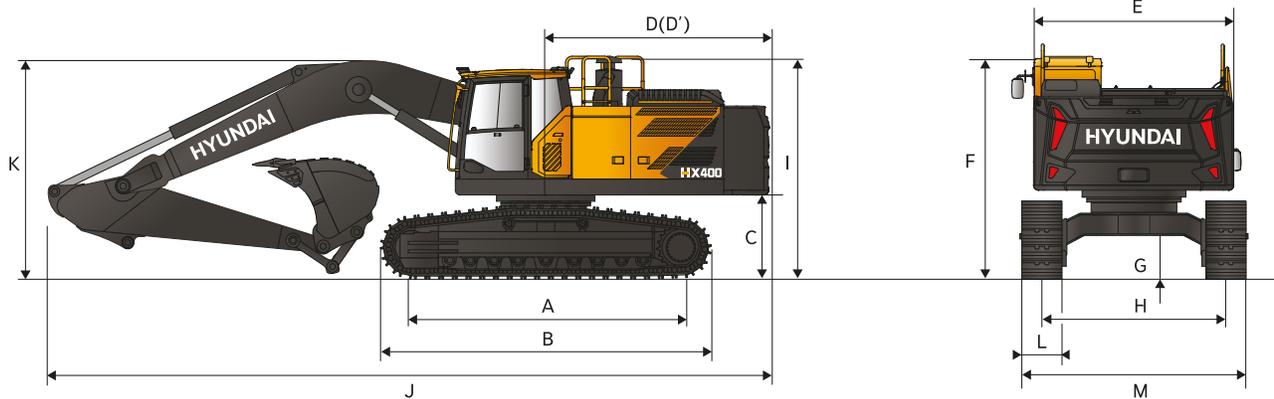
OPERATING WEIGHT (APPROXIMATE)

Operating weight, including 21' 4" (6,500 mm) boom, 10' 6" (3,200 mm) arm, SAE heaped 2.66 yd³ (2.03 m³) bucket, 16310 lb (7400 kg) counterweight, lubricant, coolant, full fuel tank, full hydraulic tank, and all standard equipment.

Type	Shoes		Operating Weight lb (kg)	Ground Pressure psi (kgf/cm ²)
	Width in (mm)			
Triple Grouser	32" (800)		92,528 (41,970)	8.25 (0.58)
	36" (900)		93,630 (42,470)	7.40 (0.52)

HX400L DIMENSIONS & WORKING RANGE

DIMENSIONS

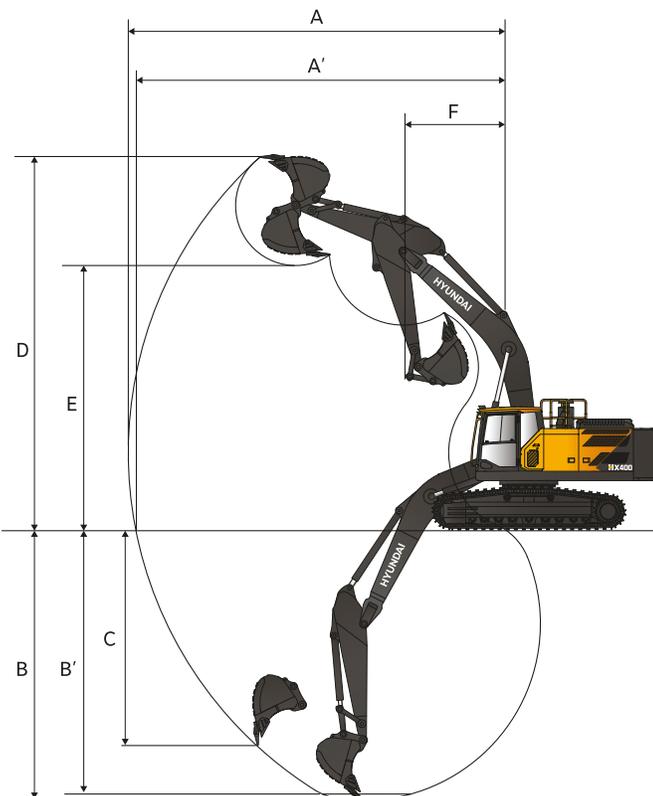


Units: ft in (mm)

A	Tumbler Distance	13' 11" (4,230)
B	Overall Length of Crawler (w/ Grouser)	17' 0" (5,185)
C	Ground Clearance of Counter Weight (w/ Grouser)	4' 4" (1,313)
D	Tail Swing Radius	11' 7" (3,530)
D'	Rear-End Length	11' 7" (3,520)
E	Overall Width of Upper Structure	9' 10" (2,990)
F	Overall Height of Cab	11' 1" (3,390)
G	Min. Ground Clearance	2' 1" (637)
H	Track gauge	9' 0" (2,750)
I	Overall Height of Guardrail (w/ Grouser)	11' 7" (3,530)

Boom Length	21' 4" (6,500)	
Arm Length	10' 6" (3,200)	13' 0" (3,950)
J Overall Length	37' 0" (11,280)	37' 0" (11,280)
K Overall Height of Boom	11' 4" (3,460)	11' 7" (3,530)
L Track Shoe Width	32" (800)	36" (900)
M Overall Width w/o Additional Foot Board	11' 8" (3,550)	12' 0" (3,650)

WORKING RANGE



Units: ft in (mm)

Boom Length	21' 4" (6,500)	
Arm Length	10' 6" (3,200)	13' 0" (3,950)
A Max. digging Reach	36' 5" (11,110)	38' 11" (11,870)
A' Max. Digging Reach on Ground	35' 9" (10,900)	38' 3" (11,670)
B Max. Digging Depth	24' 3" (7,400)	26' 9" (8,160)
B' Max. Digging Depth (8' level)	23' 8" (7,220)	26' 4" (8,020)
C Max. Vertical Wall Digging Depth	18' 9" (5,710)	21' 9" (6,640)
D Max. Digging Height	33' 9" (10,290)	35' 5" (10,790)
E Max. Dumping Height	24' 0" (7,310)	25' 6" (7,770)
F Min. Swing Radius	14' 7" (4,450)	14' 10" (4,510)

HX400L LIFTING CAPACITY

 Rating over front  Rating over-side or 360 degree

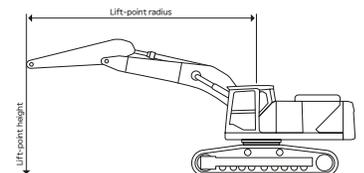
21' 4" (6.5 m) boom, 13' 0" (3.95 m) arm equipped with 16,310 lb (7,400 kg) counterweight and 32" (800 mm) triple grouser shoe.

Lift-point height, ft (m)	Lift-point radius												At max. reach			
	4.9 ft (1.5 m)		9.8 ft (3.0 m)		14.8 ft (4.5 m)		19.7 ft (6.0 m)		24.6 ft (7.5 m)		29.5 ft (9.0 m)		Capacity	Reach		
															ft (m)	
29.5 lb										*14,130	*14,130			*13,430	*13,430	24.9
(9.0) kg										*(6,410)	*(6,410)			*(6,090)	*(6,090)	(7.58)
24.6 lb														*12,520	*12,520	28.6
(7.5) kg														*(5,680)	*(5,680)	(8.71)
19.7 lb										*18,870	*18,870	*16,580	15,040	*12,190	*12,190	31.1
(6.0) kg										*(8,560)	*(8,560)	*(7,520)	(6,820)	*(5,530)	*(5,530)	(9.48)
14.8 lb							*23,280	*23,280	*20,770	19,690	*19,360	14,750	*12,260	*12,260	32.7	
(4.5) kg							*(10,560)	*(10,560)	*(9,420)	(8,930)	*(8,780)	(6,690)	*(5,560)	*(5,560)	(9.96)	
9.8 lb					*36,910	*36,910	*27,730	26,280	*23,190	18,890	*20,590	14,330	*12,650	11,750	33.4	
(3.0) kg					*(16,740)	*(16,740)	*(12,580)	(11,920)	*(10,520)	(8,570)	*(9,340)	(6,500)	*(5,740)	(5,330)	(10.19)	
4.9 lb					*44,380	37,740	*31,880	24,890	*25,550	18,100	21,520	13,890	*13,430	11,510	33.5	
(1.5) kg					*(20,130)	(17,120)	*(14,460)	(11,290)	*(11,590)	(8,210)	(9,760)	(6,300)	*(6,090)	(5,220)	(10.20)	
0 lb			*17,390	*17,390	*48,150	36,270	*34,680	23,900	*27,320	17,500	21,140	13,560	*14,700	11,710	32.8	
kg			*(7,890)	*(7,890)	*(21,840)	(16,450)	*(15,730)	(10,840)	*(12,390)	(7,940)	(9,590)	(6,150)	*(6,670)	(5,310)	(9.98)	
-4.9 lb	*18,410	*18,410	*27,840	*27,840	*48,590	35,760	*35,710	23,390	27,290	17,150	20,970	13,380	*16,780	12,430	31.2	
(-1.5) kg	*(8,350)	*(8,350)	*(12,630)	*(12,630)	*(22,040)	(16,220)	*(16,200)	(10,610)	(12,380)	(7,780)	(9,510)	(6,070)	*(7,610)	(5,640)	(9.52)	
-9.8 lb	*29,740	*29,740	*41,270	*41,270	*46,340	35,850	*34,720	23,320	*27,140	17,130			*20,370	13,930	28.8	
(-3.0) kg	*(13,490)	*(13,490)	*(18,720)	*(18,720)	*(21,020)	(16,260)	*(15,750)	(10,580)	*(12,310)	(7,770)			*(9,240)	(6,320)	(8.78)	
-14.8 lb	*43,430	*43,430	*57,170	*57,170	*41,120	36,420	*31,110	23,680	*23,280	17,500			*22,290	17,000	25.2	
(-4.5) kg	*(19,700)	*(19,700)	*(25,930)	*(25,930)	*(18,650)	(16,520)	*(14,110)	(10,740)	*(10,560)	(7,940)			*(10,110)	(7,710)	(7.68)	
-19.7 lb			*41,930	*41,930	*30,950	*30,950	*21,760	*21,760					*21,720	*21,720	19.7	
(-6.0) kg			*(19,020)	*(19,020)	*(14,040)	*(14,040)	*(9,870)	*(9,870)					*(9,850)	*(9,850)	(6.00)	

21' 4" (6.5 m) HD boom, 10' 6" (3.2 m) HD arm equipped with 16,310lb (7,400kg) counterweight and 32" (800 mm) triple grouser shoe.

Lift-point height, ft (m)	Lift-point radius												At max. reach			
	4.9 ft (1.5 m)		9.8 ft (3.0 m)		14.8 ft (4.5 m)		19.7 ft (6.0 m)		24.6 ft (7.5 m)		29.5 ft (9.0 m)		Capacity	Reach		
															ft (m)	
24.6 lb										*20,550	20,190			*17,130	*17,130	25.6
(7.5) kg										*(9,320)	(9,160)			*(7,770)	*(7,770)	(7.80)
19.7 lb										*21,080	19,970			*16,730	15,760	28.4
(6.0) kg										*(9,560)	(9,060)			*(7,590)	(7,150)	(8.65)
14.8 lb					*32,800	*32,800	*26,100	*26,100	*22,750	19,400	*20,020	14,550	*16,950	14,090	30.1	
(4.5) kg					*(14,880)	*(14,880)	*(11,840)	*(11,840)	*(10,320)	(8,800)	*(9,080)	(6,600)	*(7,690)	(6,390)	(9.18)	
9.8 lb					*41,540	39,260	*30,290	25,820	*24,910	18,670	21,870	14,240	*17,680	13,230	30.9	
(3.0) kg					*(18,840)	(17,810)	*(13,740)	(11,710)	*(11,300)	(8,470)	(9,920)	(6,460)	*(8,020)	(6,000)	(9.43)	
4.9 lb					*46,980	37,100	*33,800	24,630	*26,920	18,010	21,520	13,910	*19,050	12,960	31.0	
(1.5) kg					*(21,310)	(16,830)	*(15,330)	(11,170)	*(12,210)	(8,170)	(9,760)	(6,310)	*(8,640)	(5,880)	(9.44)	
0 lb					*48,390	36,240	*35,760	23,880	27,710	17,550	21,270	13,670	20,610	13,270	30.2	
kg					*(21,950)	(16,440)	*(16,220)	(10,830)	(12,570)	(7,960)	(9,650)	(6,200)	(9,350)	(6,020)	(9.20)	
-4.9 lb			*31,110	*31,110	*47,880	36,110	*35,800	23,610	27,510	17,370			22,270	14,290	28.5	
(-1.5) kg			*(14,110)	*(14,110)	*(21,720)	(16,380)	*(16,240)	(10,710)	(12,480)	(7,880)			(10,100)	(6,480)	(8.70)	
-9.8 lb	*37,210	*37,210	*50,220	*50,220	*44,140	36,460	*33,620	23,720	*25,930	17,500			*24,030	16,450	25.9	
(-3.0) kg	*(16,880)	*(16,880)	*(22,780)	*(22,780)	*(20,020)	(16,540)	*(15,250)	(10,760)	*(11,760)	(7,940)			*(10,900)	(7,460)	(7.88)	
-14.8 lb			*49,120	*49,120	*36,970	*36,970	*27,890	24,340					*24,140	21,320	21.7	
(-4.5) kg			*(22,280)	*(22,280)	*(16,770)	*(16,770)	*(12,650)	(11,040)					*(10,950)	(9,670)	(6.62)	

- Lifting capacities are based on ISO 10567.
- Lifting capacity 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.



HX400L STANDARD & OPTIONAL EQUIPMENT

HYDRAULIC SYSTEM

FULL ELECTRO HYDRAULIC (FEH)	
Variable Power Control	●
Electric Pump Flow Control	●
Electric MCV with Electric Joystick	●
Attachment Mode Flow Control	●
Engine Auto Idle	●
Engine Auto Shutdown Control	●
JOYSTICK STEERING	●

CAB & INTERIOR

ISO STANDARD CABIN	
Cabin Light (2 Working Lamps, HAL)	○
Cabin Light (6 Working Lamps, LED)	●
Cabin Upper and Lower Guard	○
Cabin Lower Guard	○
Cabin Rain Shield	○
Parallel Wiper	●
DAB Audio (Handsfree and Bluetooth)	●
Electric Horn	●
Safety Glass—Tempered Glass	○
Safety Glass—Laminated Glass (front)	●
Sliding Fold-In Front Window	●
Sliding Slide Window (LH)	●
Lockable Door	●
Hot and Cool Box	●
Storage Compartment	●
Multi Channel Speaker (4 ea)	●

AUTOMATIC CLIMATE CONTROL

Air Conditioner and Heater	●
Defroster	●

AUTOMATIC STARTING AID (AIR GRID HEATER)

Starting Aid (Air Grid Heater) for Cold Weather	●
Engine Coolant Heater and Plug Heater (110 V Plug Heater)	○

ADDITIONAL GAUGE PANEL (AGP)

12" LCD Display	●
12" LCD Display Dual (Foldable, 2 ea)	○
Engine Speed or Trip Meter / Accel	●
Engine Coolant Temperature Gauge	●
Max Power / Low and High Speed / Engine Check indicator	●
Auto Idle	●
Overload Warning with Alarm	●
Eco Gauge / Fuel Level / Hydraulic Oil Temperature Gauge	●
Air Cleaner Clogging	●
Fuel Warmer	●

CAB & INTERIOR

Warnings	●
Communication Error	●
Low Battery / Clock	●

SEAT

Heating and Cooling Seat	●
Heating Seat	○

CABIN FOG (ISO) 10262

Top Falling Object Guard	○
Front and Top Falling Object Guard	○

CABIN ROPS (ISO) 12117-2

ROPS (Roll Over Protective Structures)	●
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SAFETY

Battery Master Switch	●
Right and Rear View Camera	●
Smart Around View Camera (SAVM)	○
Travel Alarm	●
Beacon Lamp	○
Automatic Swing Brake	●
Boom Holding Valve	●
Arm Holding Valve	●
Overload Warning Device	○

NEW TECHNOLOGY

Machine Control (MC) with Weighing/LA - MC and Bucket Weight Indicating with Lift Assist	○
Machine Control (MC) with Weighing/ALA - Advanced Lift Assist (Pro) applied	○
Equipment Health Monitoring (EHM)—Basic - Engine Oil and Hydraulic Oil Status Check in Real Time	●
Equipment Health Monitoring (EHM)—Premium - Basic + Main Pump and Swing Device Check Included	○
Around Radar	○

OTHERS

Smart Key (with Digital Key)	○
General (Same)	●
Reversible Fan	○
Pre Cleaner—Oil washed	○
Fine Swing	●
Straight Travel	●
Hyundai Connect	●
Air Compressor	○
Auto Greasing System	●
Side Protector / No Catwalk	●
Fuel Filler Pump	○
Heat Wire for Mirror	○

OTHERS

Alarm for all with White Noise	○
Double-Acting Piping with Pedal	●
Rotating Piping (4-way)	○
Quick Coupler	○
Quick Coupler Piping	●

BOOMS

21' 4" (6.5 m)	○
21' 4" (6.5 m) HD (Heavy Duty)	●

ARMS

13' 0" (3.95 m)	○
10' 6" (3.2 m) HD (Heavy Duty)	●

BUCKETS

54" (1.37 m) J-style 5 teeth	○
60" (1.52 m) J-style 5 teeth	●

COUNTERWEIGHT

16310 lb (7400 kg) Heavy Counterweight	●
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UNDERCARRIAGE

Heavy-duty Under Cover	●
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TRACK SHOES

32" (800 mm) Shoe	●
36" (900 mm) Shoe	○

TRACK GUARD

Normal Track Guard	●
Full Track 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 US measurements rounded off to the nearest pound or inch.

HYUNDAI

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building a comfortable tomorrow

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