

HX480AL HX520AL

CRAWLER EXCAVATOR



SERIES HX480AL HX520AL

Gross Power
298 kW (400 hp) at 2100 rpm

Bucket Capacity
1.38 m³ ~ 3.2 m³

Net Power
295 kW (395 hp) at 2100 rpm

Operating Weight
50690 kg & 52048 kg

HX480A L

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX480A L

706 m boom, 3.38 m arm equipped with 600 mm triple grouser shoe (without bucket).

Lift-point height	Lift-point radius										At max. Reach				
	3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		Capacity	Reach			
													m		
9.0 m	kg							*9510	*9510				*9450	*9450	7.51
7.5 m	kg							*10350	*10350				*8950	8610	8.65
6.0 m	kg							*10850	10770	*9890	7970	8830	7350	9.41	
4.5 m	kg			*18480	*18480	*14010	*14010	*11700	10340	*10330	7770	*9960	6630	9.89	
3.0 m	kg					*15810	13600	*12650	9870	*10790	7520	*9350	6240	10.12	
1.5 m	kg					*17130	12890	*13410	9450	*11150	7290	*9890	8110	10.13	
0.0 m	kg					*17130	12460	*13740	9150	*11040	7110	*9970	6220	9.91	
-1.5 m	kg	*12220	*12220	*22860	19840	*17080	12310	*13470	9020	*10780	7050	*10000	6620	9.44	
-3.0 m	kg	*20690	*20690	*19920	19140	*15660	12370	*12340	9050			*9900	7470	8.69	
-4.5 m	kg	*19790	*19790	*16250	*16250	*12920	12640	*9680	8030			*9390	8020	7.57	

706 m boom, 4.00 m arm equipped with 600 mm triple grouser shoe (without bucket).

Lift-point height m	Lift-point radius										At max. Reach						
	1.5 m		3.0 m		4.5 m		6.0 m		7.5 m		9.0 m		10.5 m		Capacity	Reach	
																	
9.0 m	kg														7340	7340	8.34
7.5 m	kg														7010	7010	9.26
6.0 m	kg														6650	6750	10.01
4.5 m	kg														7020	6102	10.45
3.0 m	kg																
1.5 m	kg																
0.0 m	kg																
-1.5 m	kg																
-3.0 m	kg																
-4.5 m	kg																
-6.0 m	kg																

9.00 m boom, 6.00 m arm equipped with 600 mm triple grouser shoe (without bucket).

Lift-point height m	Lift-point radius										At max. Reach	
	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	12.0 m	13.5 m	Capacity	Reach	m
10.5 m												
9.0 m												
7.5 m												
6.0 m												
4.5 m												
3.0 m												
1.5 m												
0.0 m												
-1.5 m												
-3.0 m												
-4.5 m												
-6.0 m												

- Lifting capacity is 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.
- Caution: please be aware of the local regulations and instructions for lifting operations.

HX520A L

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX520A L

635 m boom, 2.55 m arm equipped with 0.92 m³ (SAE heaped) bucket.

Lift-point height m	Lift-point radius										At max. Reach		
	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	Capacity	Reach					m	
9.0 m											*13740	*13740	5.92
7.5 m			13220	13220							*12550	*12550	7.29
6.0 m			*14082	*14080			12430	12150			*12050	10950	8.17
4.5 m		*20650	*20650	*15550	*15550	*13010	11830				*11820	9300	8.70
3.0 m				*17750	15740	*13700	11450				*11730	8840	8.94
1.5 m				*17730	15580	*14130	11120				*11690	8720	8.93
0.0 m				*17710	14880	*14000	10800				*11610	9030	8.66
-1.5 m				*21090	*21090	*14550	12900	10830			*11170	9800	8.35
-3.0 m		*20140	*20140	*17510	*17510	*13900					*10640	*10640	7.15
-4.5 m													

706 m boom, 2.55 m arm equipped with 0.92 m³ (SAE heaped) bucket.

Lift-point height m	Lift-point radius										At max. Reach	
	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	Capacity	Reach					m
9.0 m												
7.5 m												
6.0 m												
4.5 m												
3.0 m												
1.5 m												
0.0 m												
-1.5 m												
-3.0 m												
-4.5 m												

706 m boom, 2.90 m arm equipped with 0.92 m³ (SAE heaped) bucket.

Lift-point height m	Lift-point radius										At max. Reach	
	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	Capacity	Reach					m
9.0 m												
7.5 m												
6.0 m												
4.5 m												
3.0 m												
1.5 m												
0.0 m												
-1.5 m												
-3.0 m												
-4.5 m												

- Lifting capacity is 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.
- Caution: please be aware of the local regulations and instructions for lifting operations.

HX520A L

LIFTING CAPACITY



Rating over-front



Rating over-side or 360 degrees

HX520A L

706 m boom, 3.38 m arm equipped with 0.52 m³ (SAE heaped) bucket.

Lift-point height	Lift-point radius								At max. Reach	
	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	Capacity	Reach			
										
9.0 m	kg					*10020	*10020		*9400 9400 7.61	
7.5 m	kg					*10370	*10370		*8930 8930 8.71	
6.0 m	kg					*10900	*10900	*10010	8290 8830 8510 9.46	
4.5 m	kg								*9880 7740 9.92	
3.0 m	kg								*9390 7340 10.13	
1.5 m	kg								*9890 7220 10.12	
0.0 m	kg								*9970 7390 9.98	
-1.5 m	kg	*12800	*12800	*22130	*17010	14600	*13420	10670	8340 *10000 7890 9.40	
-3.0 m	kg	*21350	*21350	*19710	*15510	14670	*12210	10720		*9880 8930 8.62
-4.5 m	kg	*19320	*19320	*15920	*12650					*9320 8020 7.47
-6.0 m	kg									

706 m boom, 4.00 m arm equipped with 0.52 m³ (SAE heaped) bucket.

Lift-point height	Lift-point radius										At max. Reach	
	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	Capacity	Reach			
9.0 m												
7.5 m												
6.0 m												
4.5 m												
3.0 m												
1.5 m												
0.0 m												
-1.5 m												
-3.0 m												
-4.5 m												
-6.0 m												

9.00 m boom, 6.00 m arm equipped with 0.52 m³ (SAE heaped) bucket.

Lift-point height m	Lift-point radius														At max. Reach	
	1.5 m	3.0 m	4.5 m	6.0 m	7.5 m	9.0 m	10.5 m	12.0 m	13.5 m	Capacity	Reach					m
10.5 m	kg											*4050	*4050	11.58		
9.0 m	kg											*3950	*3950	12.52		
7.5 m	kg											*3940	*3940	13.22		
6.0 m	kg											*3990	*3990	13.71		
4.5 m	kg											*4270	*4270	14.03		
3.0 m	kg											*4120	3750	14.19		
1.5 m	kg											*4610	3650	14.18		
0.0 m	kg											*5900	3880	14.01		
-1.5 m	kg											*5550	3720	13.67		
-3.0 m	kg											*5380	3620	13.18		
-4.5 m	kg											*5980	4280	12.44		
-6.0 m	kg											*5870	4890	11.48		
-7.5 m	kg											*5850	*5850	10.20		
-9.0 m	kg											*5350	*5350	8.48		

1. Lifting capacity is based on ISO 15667.

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.

5. Caution: please be aware of the local regulations and instructions for lifting operations.

HX480A L / HX520A L

BUCKET SELECTION GUIDE

HX480A L & HX520A L BUCKETS



SAE heaped m ³	10P	1H	1R
	1.38	2.20	2.20
	2.20	2.79	2.43
	3.00		2.79
			3.20

Capacity m ³	Width mm	Weight kg	Tooth (EA)	Recommendation mm					
				6550 Boom	2550 Arm	2900 Arm	3380 Arm	4000 Arm	9000 Boom
1.38	1.24	1135	1670	4	●	●	●	●	▲
2.20	1.93	1575	2030	5	●	●	●	●	▲
3.00	2.70	1905	2460	6	●	●	●	●	▲
2.20	1.93	1605	2300	5	●	●	●	●	▲
2.79	2.47	1785	2630	5	●	●	●	●	▲
2.20	1.93	1605	2610	5	●	●	●	●	▲
2.43	2.11	1750	2730	5	●	●	●	●	▲
2.79	2.47	1785	2950	5	●	●	●	●	▲
3.20	2.82	1995	3230	6	●	●	●	●	▲

- General Purpose
- Heavy Duty
- ▲ Rock-HD

- Applicable for materials with density of 2100 kg/m³ or less
- Applicable for materials with density of 1800 kg/m³ or less
- Applicable for materials with density of 1500 kg/m³ or less
- ▲ Applicable for materials with density of 1200 kg/m³ or less
- X Not Recommended

ATTACHMENT

Booms and arms are of all-welded, low-stress, full-box section design.
6550 mm, 7060 mm, 9000 mm boom and 2550 mm, 2900 mm, 3380 mm, 4000 mm,
6000 mm arms are available, Hyundai buckets are all-welded, high-strength steel implements.

HX480A L / HX520A L
DIGGING FORCE

DIGGING FORCE									
Boom	Length	mm	6550	7060				9000	Remark
	Weight	kg	4340	4370				5130	
Arm	Length	mm	2550	2550	2900	3380	4000	6000	
	Weight	kg	2350	2350	2590	2630	2720	3290	
Bucket Digging Force	SAE	kN	212.8 (231.0)	212.8 (231.0)	212.8 (231.0)	212.8 (231.0)	212.8 (231.0)	212.8 (231.0)	Power Boost
		kgf	21700 (23960)	21700 (23960)	21700 (23960)	21700 (23960)	21700 (23960)	21700 (23960)	
	ISO	kN	247.1 (268.3)	247.1 (268.3)	247.1 (268.3)	247.1 (268.3)	247.1 (268.3)	247.1 (268.3)	
		kgf	25200 (27360)	25200 (27360)	25200 (27360)	25200 (27360)	25200 (27360)	25200 (27360)	
	SAE	kN	235.4 (256.6)	235.4 (256.6)	218.7 (237.4)	198.1 (215.1)	173.6 (188.5)	127.5	
		kgf	24000 (26060)	24000 (26060)	22300 (24210)	20200 (21930)	17700 (19220)	13000	
Arm Crowd Force	ISO	kN	248.1 (267.2)	248.1 (267.2)	227.5 (247.0)	205.0 (222.5)	179.5 (194.9)	130.4	
		kgf	25100 (27250)	25100 (27250)	23200 (25190)	20900 (22690)	18300 (19870)	13300	

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

HX480A L / HX520A L
STANDARD/OPTIONAL EQUIPMENT

ENGINE	HX480A L	HX520A L
Generators X12	●	●
HYDRAULIC SYSTEM		
HX480A L HX520A L		
3-Phase Motor, 2-Work Mode, User Mode	●	●
Variable Power Control	●	●
EPIC (Electric Pump Flow Control)	●	●
Attachment Mode Flow Control	●	●
Engine Auto Vlt	●	●
Engine Auto Shutdown Control	●	●
Hyundai Bio Hydraulic Oil (HBHO)	●	●
CAB & INTERIOR	HX480A L	HX520A L
ISO Standard cabin		
Latent Lights (LED)	●	●
Cabin Front Window Rain Guard	●	●
Cabin Roof-Steel Cover	○	○
Rise-Up Type Windshield Wiper	●	●
Radio/USB Power	●	●
Handfree Mobile Phone System with USB	●	●
12 V Power Outlet (24 V DC to 12 V DC Converter)	●	●
Electric Heat	●	●
All-Weather Steel Cab with 360° Visibility	●	●
Safety glass - Tempered Glass with Front Laminated Glass	●	●
Sideline Exit to Front Window	●	●
Sliding Side Window (LH)	●	●
Air compressor with Hand Gun	○	○
Lockable Door	●	●
Heat & Cool Box	●	●
Storage Compartment	●	●
Shower Kit	○	○
Transparent Cabin Roof-Cover	●	●
Sun Visor	●	●
Door and Cab Locks, One-Key	●	●
First Operator Storable Joystick	●	●
Console Box Height Adjust System	●	●
Automatic climate control		
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 warning with alarm	●	●
Check Engine	●	●
Air Chiller Chugging	●	●
Indicators	●	●
Fuel Gauges	●	●
Fuel Level Gauge	●	●
Fuel Oil Temperature Gauge	●	●
Fuel Warmer	●	●
Warnings	●	●
Communication Error	●	●
Low Battery	●	●
Clock	●	●
Seat	●	●
Mechanical Suspension with Heater	●	●
Adjustable Air Suspension without Heater	○	○
Adjustable Air Suspension with Heater	○	○
CABIN FOG (ISO 10282) LEVEL 2		
FOG (Falling Object Guard)	○	○
Front & Top Guard	○	○
Top Guard	○	○
CABIN ROPS (ISO 12117-2)		
ROPS (Roll Over Protective Structures)	●	●
SAFETY	HX480A L	HX520A L
Battery Master Switch	●	●
Rearview Camera	●	●
AXIM (Advanced Around View Monitoring)	○	○
Six Front Working Lights	●	●
Left Boom Mounted, 2 Front Frame Mounted	●	●
Travel Alarm	●	●
Rear Work Lamp (LED)	●	●
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	○	○
Two Outside Rearview Mirrors	●	○
Three Outside Rearview Mirrors	○	●
ATTACHMENT	HX480A L	HX520A L
Booms		
5.55 m	○	○
7.06 m	●	●
7.06 m	○	○
8.00 m	○	○
Arms		
2.55 m	○	○
2.90 m	○	○
3.30 m	○	○
4.00 m	●	●
6.00 m	○	○
UNDERCARRIAGE	HX480A L	HX520A L
Lower Frame Under Cover (Additional)		
Lower Frame Under Cover (Normal)	●	●
Track shoes		
Triple Grousers Shoes (800 mm)	●	●
Triple Grousers Shoes (700 mm)	○	○
Triple Grousers Shoes (600 mm)	○	○
Triple Grousers Shoes (500 mm)	○	○
Double Grousers Shoes (800 mm)	○	○
Double Grousers Shoes (700 mm)	○	○
Track Rail Guard	●	●
Full Track Rail Guard	○	○
3-piece Type Track Guard	○	○
OTHERS	HX480A L	HX520A L
Removable Clean-Out Dust Net for Cooler	●	●
Removable Washer Tank	●	●
Fuel Pre-Filter	●	●
Fuel Warmer	●	●
Self-Diagnostics System	●	●
10 MAE (Remote Management System)	○	○
Batteries (2 × 12 V × 200 Ah)	●	●
Fuel Filter Pump (50 lph)	○	○
Simple Access Piping Kit (Boscher, etc.)	○	○
Double-Action Piping Kit (Clamshell, etc.)	●	●
Rotating Piping Kit	○	○
Quick Coupler Piping	○	○
Quick Coupler	○	○
Boom Floating Control	○	○
Fire-Saving Control	○	○
One-Pedal Straight Travel System	○	○
Accumulator for Lowering Work Equipment	●	●
Pattern Change Valve (2 Patterns)	○	○
Semi-Auto Grease (Pump&Gun)	○	○
Removable Counterweight	○	○
Air Cleaner - Wet	○	○
Tool Kit	○	○

- : Standard
○ : Option

* 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.

MEMO

MEMO



HYUNDAI

Specifications and design are subject to change without notice. Pictures of Hyundai Construction Equipment Europe products may show other than standard equipment.

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READY TO CHANGE YOUR WORLD?

Contact your Hyundai dealer.
hyundai-ce.eu/en/dealer-locator