

HX19e

COMPACT EXCAVATOR



Battery Capacity
32 kWh – 40 kWh

Bucket Capacity
0.04 m³

Operating Weight
2296 kg

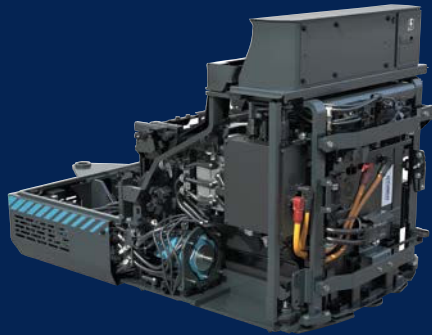
HYUNDAI
CONSTRUCTION EQUIPMENT

OUTLASTS ALL FOR PRODUCTIVITY & PERFORMANCE

Introducing the new Hyundai HX19e electric compact tracked excavator, with conventional, minimal tail overhang. With the biggest and strongest battery in its class, it can run for over 10 hours, comfortably providing a full day of emission-free working at point of use. It's also very easy to charge using a standard car charger. The machine is available with quick coupler fitting for easy attachment changes to further increase your productivity.

Synchronous Reluctance Motors (SynRMs)

The HX19e is powered by a synchronous reluctance motor (SynRM Motor) which is highly efficient, especially at constant speeds. They are more robust and have fewer parts than permanent magnet motors, resulting in lower maintenance costs. SynRM Motors are also more environmentally-friendly because they don't contain rare-earth materials.



Easy charging

The battery can be charged using a standard car charger, making it very easy to use. Convenient, compatible, and ready for work wherever you are.

2 Way auxiliary piping

The HX19e is equipped with 2 way auxiliary piping as standard. Single or double acting mode can be selected by the operator.

Quick coupler piping

The HX19e is available with an optional factory-fitted hydraulic line to operate any hydraulic quick coupler. This allows quick changes of attachments, without having to leave the cabin.

Battery size options

Choose between two powerful lithium-ion battery packs:

32 kWh for standard use or 40 kWh for extended runtime – over 10 hours between charges delivering full-shift usability, which is almost double the capacity of the industry standard in its class.

Easy battery monitoring

The battery level can be easily and conveniently monitored online, using our Hi MATE telematics system.

Compact power

The HX19e comes with minimal overhang and offers more digging and lifting power. It is available with a cabin or an optional canopy version.

Increased stability

The new electric battery acts as a counterweight, providing extra stability when handling heavy loads.

Mono boom swing

The boom swings independently in a wide angle to extend the working range for the operator.

Eco-friendly working

The HX19e comes with bio-oil as standard, which is fully biodegradable and non-toxic, allowing it to work in the strictest eco-zones.

Tailored to your needs

The extendable tracks & adjustable dozer offer more stability when working while facilitating transport.

Work anywhere

With no engine, you can now work in low emission zones and noise sensitive areas, greatly increasing your productivity.



OUTLASTS ALL FOR COMFORT & EASE OF USE

Our new cabin has been designed with operator comfort and convenience in mind. Optimised ergonomics and advanced features allow you to work with greater ease and efficiency. With its spacious interior and high-visibility design, our new cabin offers an unparalleled level of comfort and safety, ensuring that you can work for extended periods without fatigue or discomfort.



New 5-inch digital display

The HX-E mini excavators have a new 5-inch LCD full-color display monitor, allowing you to easily control excavator settings and quickly access critical functions and daily operations. The LCD monitor is also IP68 waterproof, especially important if working in a canopy model.

Excellent visibility

Experience a whole new level of visibility with our latest cabin design. Enhanced visibility provides you with a wider and more expansive field of view, giving you a clear and unobstructed view of your surroundings.

Adjustable auxiliary pressure monitor

You can adjust the hydraulic attachment flow using the digital display on both models as standard, for improved speed and ease-of-use.

Auto-shift travel speed

When handling heavy loads or mounting a slope, the travel motor speed shifts down into first gear. This increases the tractive effort. The travel motor will automatically switch back into fast gear once the load is reduced. This results in high productivity at all times.



Dozer blade lever and Drive speed switch A

Two-handed operation for skilful and efficient levelling with drive mode changeover on the drive lever handle.

Proportional joysticks B

The proportional joysticks greatly improve the operability of your machine and your attachments.

Greater comfort

With near silent operation and less vibration, our electric machine has been designed to offer the perfect working environment with extended, fatigue-free working hours.

Modern audio system

Relax with convenient modern functions like the MP3 radio with added USB ports and enjoy hands free calls.



OUTLASTS ALL FOR SAFETY

Hyundai excavators have some of the highest safety standards in the industry, offering state-of-the-art features, some of which are unique in the industry. Our philosophy is to care for the machine, operator and the environment.

Auto Safety Lock

The auto safety lock prevents unintentional ignition and machine movement. When the safety lever is locked, the engine cannot be started and the system will not engage, even if the joystick is pressed.

Hydraulic accumulator

A reservoir reserves a little pressure when the machine's off, enabling you to lower the boom and arm and leave your equipment in a safe place after use.



Safety valves

The safety valve on the dozer blade cylinder ensures safe digging or lifting with the blade down, even in case of a sudden pressure drop.



TECHNOLOGY
TO KEEP YOU
SAFE

Boom, arm & bucket cylinder guards

We have added new cylinder guards as standard to the boom, arm, and bucket to provide increased protection. They effectively shield the hydraulic cylinders from damage caused by debris and other external factors, reducing the risk of downtime and costly repairs.



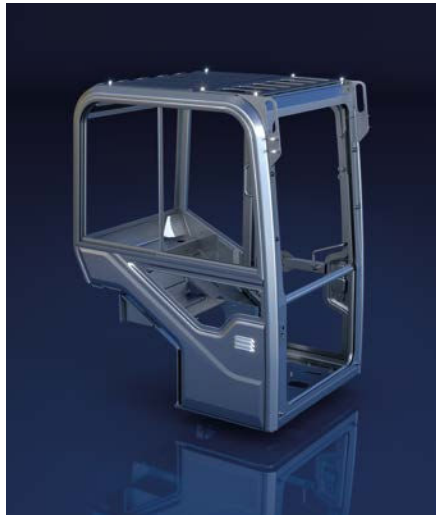
Cabin structure

The HX E-Series cabin structure uses integrally welded low-stress, high strength steel to meet ROPS, TOPS and FOG certification.

- **ROPS:** Roll-Over Protective Structures ISO12117-2
- **TOPS:** Tip-Over Protective Structures EN12531
- **FOG:** Falling Object Guard, ISO10262 Level2

Anti-theft system

The system includes a password-protected ignition key, to prevent the engine from starting without the correct key. Additionally, there is an optional GPS tracker (Hi-Mate) that allows you to quickly locate the machine in case of theft.



OUTLASTS ALL FOR UPTIME & TELEMATICS

The true value of HX E-Series machines lies in their durability with robust structures and attachments, as well as easy access for maintenance and long service intervals. Cutting-edge telematics allows owners and operators to access vital machine information onboard and remotely.

Optimized hydraulic hose layout

Our new boom design ensures hydraulic hoses are routed inside the boom for better protection to avoid damage when working, enhancing safety and durability.



Hi MATE

It's convenient, easy and valuable. Hi MATE, Hyundai's remote management system, utilises GPS satellite technology to provide customers with the highest level of service and product support available.

Increase productivity

By providing information such as service hours, and idle time, Hi MATE saves you money and improves productivity. Service alerts enable better maintenance planning.

Monitor your machines

Hi MATE's real-time location information allows convenient monitoring of your equipment via the Hi MATE website or mobile app.

Improve Security

Protect your equipment from theft or unauthorised usage. Hi MATE's geofencing alerts notify you automatically when a machine leaves a predetermined zone.

Mobile fleet app

Our new mobile app provides all the information you need to run your equipment more efficiently and economically. It has been optimised for fleet management, providing health insights based on telematic technology to keep your machines working at maximum performance.



Keeping you covered

Hyundai genuine parts and accessories are designed to keep your machine running at optimum performance, providing increased uptime, comfort and productivity. Our 13000m² European Parts Warehouse guarantees 24-hour delivery across our dealer network. Hyundai Standard and Extended Warranty Programmes are also available, providing peace of mind and giving you full control over your operating costs.

Dozer cylinder maintenance

Chassis connections allow for the easy replacement of hoses, ensuring easier servicing and maintenance.



HX19E

SPECIFICATIONS

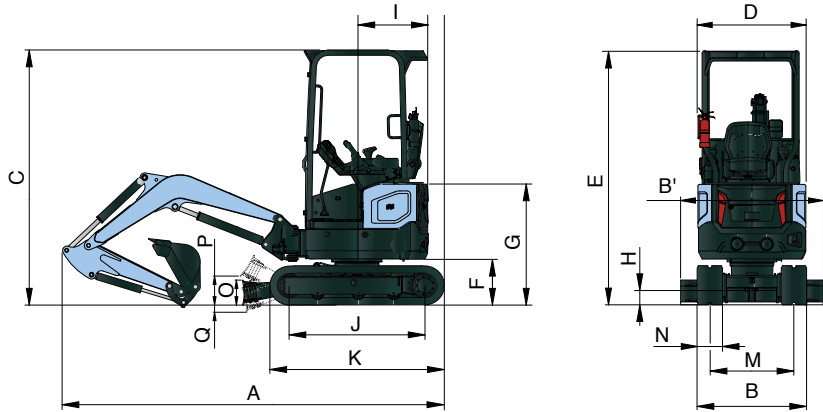
SPECIFICATIONS		HX19E			
Model		HX19e			
Operating weight - Cabin, 40kWh Battery Pack	kg	2296			
ELECTRICAL SYSTEM					
Battery Type		Lithium Ion			
Battery Voltage	V	73.8			
Battery Capacity	kWh	32 / 40			
Indicative Runtime - Application dependant	hours	8/10			
Standard Charger Connector		Type 2			
Fast Charger Connector		REMA DIN 320			
Auxillary Battery Voltage	V	12			
ELECTRIC MOTOR					
Motor Type		Synchronous Reluctance			
Motor Power (peak)	kW	16			
Motor Power (continuous)	kW	13			
HYDRAULIC SYSTEM					
Pump type		Variable displacement tandem axis piston pumps			
Max. pressure	kgf/cm ²	245			
Aux. flow rate (2way)	l/min	26.4			
Hydraulic capacity (tank/system)	l	18			
PERFORMANCE					
Bucket breakout force (ISO)	kN	16			
Arm tearout force (ISO)	kN	9			
Travel speed (Low/High)	km/h	2.1 / 4.2			
Traction force	kg	1382			
Swing speed	rpm	9.4			
KEY SPECIFICATIONS					
Boom length	mm	1750			
Arm length	mm	1230			
Bucket capacity, std. SAE	m ³	0.04			
Boom swing angle left/right	degree	56/59			
Rubber track width	mm	230			
Ground pressure (cpy/cab)	kgf/cm ²	0.36			
SOUND LEVEL					
Exterior sound level (2000/14/EC - ISO 6395:2008) Lwa	dB(A)	80			
Interior sound level (ISO 6396:2008) Lpa	dB(A)	68.4			
CHARGER TYPE		VOLTAGE	CONNECTOR	CHARGE TIME (HR)	
Standard on-board Charger		110V	Type 2	32kWh	40kWh
		230V	Type 2	4.8	6
Off-board Fast Charger		380-440V	REMA DIN 320	2	2.5

* All equipment dimension is based on cabin, standard boom/arm and counterweight.

HX19E

DIMENSIONS & WORKING RANGE

MACHINE DIMENSIONS



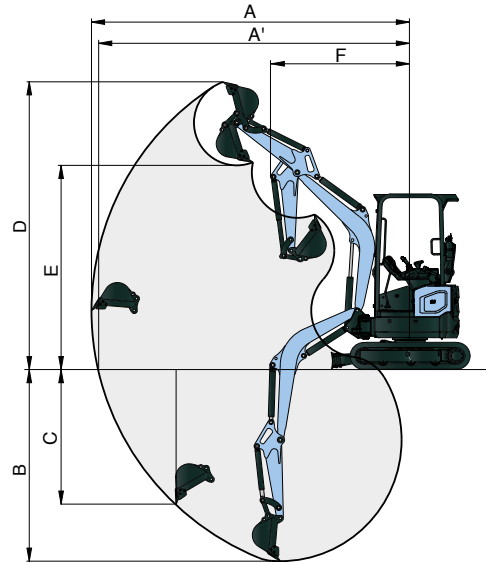
Unit : mm

	HX19e
A Overall length	3858
B Overall width (extension crawler)	994 (1290)
B' Overall width (dozer blade)	994 (1290)
C Overall height	2270
D Overall width of upperstructure	980
E Overall height of cab	2270
F Ground clearance of counterweight	416
G Overall height of engine hood	1245
H Minimum ground clearance	150

	HX19e
I Rear-end distance	1090
I' Rear-end distance	1090
J Distance between tumblers	1230
K Undercarriage length	1553
M Track gauge (extended)	764 (1060)
N Track width	230
O Height of blade	225
P Ground clearance of blade up	183

WORKING RANGE

Unit : mm



		HX19e
Boom length		1750
Arm length		1230
A	Max. Digging reach	4130
A'	Max. Digging reach on ground	4040
B	Max. Digging reach depth	2540
B'	Max. Digging reach depth (8' level)	2000
C	Max. Vertical wall digging depth	2020
D	Max. Digging height	3585
E	Max. Dumping height	2550
F	Min. Swing radius	1725

HX19E

LIFTING CAPACITY

 Rating over-front  Rating over-side or 360 degrees

HX19E

Cabin, 1,75m boom, 1.23m arm equipped with 230mm rubber track, dozer down position

Lift-point height m		Lift-point radius						At max. Reach		
		2.0m		2.5m		3.0m		Capacity		Reach
										m
3.0m	kg			350	350			350	350	2.53
2.5m	kg					340	340	330	330	3.01
2.0m	kg					330	330	310	310	3.31
1.5m	kg			380	380	350	350	310	310	3.5
1.0m	kg	600	600	460	460	400	400	320	320	3.58
0.5m	kg	770	720	540	520	440	400	340	340	3.58
0.0m	kg	860	700	600	510	470	400	380	320	3.48
-0.5m	kg	860	960	610	500	460	390	390	350	3.29
-1.0m	kg	780	700	560	510			400	400	2.98
-1.5m	kg	600	600					410	410	2.47
-2.0m	kg							280	280	1.45

Cabin, 1,75m boom, 1.23m arm equipped with 230mm rubber track, dozer down position

Lift-point height m		Lift-point radius						At max. Reach		
		2.0m		2.5m		3.0m		Capacity		Reach
										m
3.0m	kg			350	350			350	350	2.53
2.5m	kg					340	340	330	330	3.01
2.0m	kg					330	330	310	310	3.31
1.5m	kg			380	380	350	350	310	310	3.5
1.0m	kg	600	600	460	460	400	380	320	300	3.58
0.5m	kg	770	670	540	490	440	380	340	290	3.58
0.0m	kg	860	650	600	480	470	370	380	300	3.48
-0.5m	kg	860	650	610	470	460	370	390	320	3.29
-1.0m	kg	780	650	560	470			400	370	2.98
-1.5m	kg	600	600					410	410	2.47
-2.0m	kg							280	280	1.45

1. Lifting capacities are based on ISO 10567.
2. Lifting capacity of the HX A-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.

HX19E

STANDARD/OPTIONAL EQUIPMENT

MODEL	HX19E
ELECTRICAL SYSTEM	
32kWh lithium ion battery pack	□
40kWh lithium ion battery pack	●
On-Board intelligent charger with type 2 connector	●
REMA DIN 320 fast charge connector	●
HYDRAULIC SYSTEM	
Open center hydraulic system	●
Two-speed travel with auto-shift	●
Pressure accumulator	●
Proportional Aux. control	●
2 way Aux. hydraulic line for grapple	●
Divert valve for 2 way hydraulic	●
Adjustable Aux. flow on cluster	●
Biodegradable Hydraulic Oil	●
CABIN	
ROPS (Roll-over Protective structure)	●
TOPS (Tip-Over Protective Structure)	●
Adjustable PVC Suspension Seat	●
Retractable seatbelt with warning alarm	●
Heater	●
Travel levers with foot pedals	●
Power-assisted front window	●
Travel alarm	●
LED beacon lamp	●
5" Digital cluster with IP68 water & dust proof	●
Radio with USB	●
12V power socket	●
Side mirror	●
Cup holder	●
CANOPY	
ROPS (Roll-over Protective structure)	●
TOPS (Tip-Over Protective Structure)	●
Adjustable PVC Suspension Seat	●
Retractable seatbelt with warning alarm	●
Travel levers with foot pedals	●
5" Digital cluster with IP68 water & dust proof	●
12V power socket	●
Side Mirror	●
Cup holder	●
WORKING EQUIPMENT	
Boom swing function	●
Long arm	●
Quick coupler piping	●
Safety valves for Boom/Arm/Dozer blade	●
Overload warning alarm	●
Travel & Swing motor with disc brake	●
LED work light on boom	●
LED work lights on cabin	●
UNDERCARRIAGE	
230mm Rubber track	●
TELEMATICS	
Hyundai telematic system HiMATE	●

- Standard

□ Optional
- * 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.



HYUNDAI



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