

Kia Niro technical specifications*

Gasoline hybrid electric (HEV)

1.6-litre / 141PS GDi Hybrid electric

Type	Four cylinder naturally aspirated in-line
Capacity	1,580 cc
Bore and stroke	72 x 97 mm
Compression ratio	14.0
Max power	105PS @ 5,700rpm
Max torque	147Nm @ 4,000rpm
Valve system	16 (four per cylinder) Intake and exhaust CVVT
Fuel system	Gasoline direct injection

Battery and electric motor

Battery type	Lithium-ion polymer
Battery voltage	240V
Battery energy	1.32kWh
Max power (motor)	32kW
Max torque (motor)	170Nm

Fuel economy TBD

(combined, L/100km)*

CO2 emissions 104 (16" wheels) / 111 (18" wheels)

(weighted combined, g/km)*

0-100 km/h 10.4 seconds

Top speed (km/h) 165 (16" wheels)

Transmission: Six-speed dual-clutch transmission (6DCT)

Gasoline plug-in hybrid (PHEV)

1.6-litre / 183PS GDi Plug-in hybrid

Type	Four cylinder naturally aspirated in-line
Capacity	1,580 cc
Bore and stroke	72 x 97 mm
Compression ratio	14.0
Max power	105PS @ 5,700rpm
Max torque	147Nm @ 4,000 rpm
Valve system	16 (four per cylinder) Intake and exhaust CVVT
Fuel system	Gasoline direct injection

Battery and electric motor

Battery type	Lithium-ion polymer
Battery voltage	360V
Battery energy	11.1kWh
Max power (motor)	62kW
Max torque (motor)	203Nm

Fuel economy TBD

(combined, L/100km)*

CO2 emissions 23 (16" wheels) / 26 (18" wheels)

(combined g/km)*

All-electric range* 65km (16" wheels) / 59km (18" wheels)

*Fuel economy and emissions: driving range standards are calculated using the World Harmonised Light Vehicle Test Procedure (WLTP). Figures refer to the low value.

0-100 km/h	9.6 seconds
Top speed (km/h)	168 (16" wheels)
Transmission:	Six-speed dual-clutch transmission (6DCT)

Battery electric (BEV)

150kW Battery electric

Battery and electric motor

Battery type	Lithium-ion polymer
Battery voltage	358V
Battery energy	64.8kWh
Max power (motor)	150kW @ 6000~9000
Max torque (motor)	255Nm @ 6000~9000

Economy	15.7
(combined, kWh/100km)*	
CO2 emissions	0
(combined g/km)*	
All-electric range	463 (km)

*Economy and emissions: driving range standards are calculated using the World Harmonised Light Vehicle Test Procedure (WLTP). Figures refer to the low value.

0-100 km/h	7.8 seconds
Top speed (km/h)	167
Transmission:	Single speed reduction

Drivetrains

Front-wheel drive (FWD)

Suspension	Multi-link (rear) type with MacPherson struts (front)
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Steering

Type	Column-type motor-driven power steering (C-MDPS)
Steering ratio (mm)	13.7 (HEV) 13.3 (PHEV, BEV)
Turns (lock-to-lock)	2.57 (HEV) 2.66 (PHEV, BEV)
Turning radius (m)	5.3

Wheels and tyres

Standard	Alloy 16-inch, 205/60R16 (Standard on HEV/PHEV) Alloy 17-inch, 215/55R17 (Standard on BEV) Alloy 18-inch, 225/45R18 (Optional on HEV/PHEV)
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Spare	Standard tyre mobility kit / Optional temporary steel spare wheel or full-size alloy wheel available on HEV
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Brakes

Front	280x25mm (HEV/PHEV) 305x25mm (BEV), ventilated discs
Rear	284x10mm, (HEV/PHEV/BEV), ventilated discs

Dimensions (mm)

Exterior

Overall length	4,420	Overall width	1,825
Overall height	1,545 (HEV/ PHEV) 1,570 (EV)		
Wheelbase	2,720	Front overhang	895
Rear overhang	805	Ground clearance	160 (HEV/ PHEV) 150 (EV)

Interior

	1st row	2nd row
Head room	1,028	1,005 (HEV/PHEV) 967 (BEV)
Leg room	1,053	1,011 (HEV/PHEV) 938 (BEV)

Maximum cargo capacity (litres)

	Behind 2nd row	With rear seats folded
Hybrid electric (HEV)	451	1445
Plug-in Hybrid (PHEV)	348	1342
Battery electric (BEV)	475 (+20 litre frunk)	1392

Fuel capacity (litres)

Fuel tank	42 (HEV) 37 (PHEV)
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Weights (kg)

Curb weight (maximum)	1,490 (HEV) 1,610 (PHEV) 1,739 (BEV)
Gross weight (maximum)	1,940 (HEV) 2,060 (PHEV) 2,200 (BEV)
Tow load, without brake	600 (HEV & PHEV) 300 (EV)
Tow load, with brake	1,300 (HEV & PHEV) 750 (EV)

Please note: All technical data contained here is subject to change. The new Niro family (HEV, PHEV and EV) is pending homologation and final engineering confirmation. All details in terms of powertrain performance, consumption, electric range and overall configuration are prone to change before start-of-production. The tentative figures provided are based on WLTP and pending homologation.