



## IONIQ Hybrid & IONIQ Electric – Technical specifications

*All technical information is preliminary and subject to change*

### Engine / Battery / Motor (HEV)

Engine	
Type	KAPPA 1.6 ATKINSON GDI
Displacement	1,580 cc
Bore x stroke	72 X 97 mm
Compression ratio	13.0
Power	105 PS @ 5,700 rpm
Torque	147 Nm @ 4,000 rpm

Electric Motor	
Type	Permanent Magnet Synchronous Motor
Maximum Power (kW/PS)	32 kW / 43.5 PS
Maximum Torque (Nm)	170 Nm

Battery	
Type	Lithium-Ion Polymer
Capacity (kWh)	1.56 kWh
Power Output (kW)	42 kW
Voltage (V)	240 V

System Output	
Max Power (kW / PS)	104 kW / 141 PS
Max Torque (Nm)	265 Nm

Performance	
Maximum speed	185 km/h
0-to-100 km/h acceleration	10.8 seconds*
Fuel consumption combined (l/100 km)	3.4 l/100 km*
CO <sub>2</sub> combined (g/km)	79 g/km*

\*Depending on trim and tyre specifications.

**NEW THINKING. NEW POSSIBILITIES.**

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## **Battery / Motor (EV)**

<b>Electric motor</b>	
Type	Permanent Magnet Synchronous Motor
Maximum Power	119.7 PS
Maximum Torque	295 Nm
Maximum speed	165 km/h
0-to-100 km/h acceleration (drive modes)	9.9 seconds (sport mode) 10.2 (normal mode)
CO <sub>2</sub> combined (g/km)	0
Efficiency (kWh/ 100 km)	11.5 kWh/ 100 km
All electric range (target)	280 km

<b>Battery</b>	
Type	Lithium-ion Polymer
Capacity (kWh)	28 kWh
Power Output (kW)	98
Energy Density (kWh/kg)	104.9
Voltage (V)	360

<b>On Board Charger</b>	
Max. capacity (kW)	6.6
<b>Charging Time</b>	
Charge Time / Standard	Approx 4 hrs 25 mins
Charge Time / Quick Charge	50 kW: Approx 30 min 100 kW: Approx 23 min

## **Drivetrain**

### **HEV**

<b>Transmission</b>	
Automatic	6-Speed Dual Clutch Transmission

### **EV**

<b>Transmission</b>	
Automatic	Single Speed Reduction Gear

### Gear ratios (HEV)

	KAPPA 1.6 ATKINSON GDI / 6 DCT
1 <sup>st</sup>	3.867
2 <sup>nd</sup>	2.217
3 <sup>rd</sup>	1.371
4 <sup>th</sup>	0.930
5 <sup>th</sup>	0.956
6 <sup>th</sup>	0.767
Reverse	5.351
Final drive	4.188 / 3.045 (1ST-4TH / 5TH - Reverse)

### Gear ratios (EV)

	Single Speed Reduction Gear/ 28 kWh Battery
Gear ratio	7.412

### Suspension and damping

Front	Macpherson Strut Type with Gas shock absorbers
Rear	Multi-link Type (HEV) and Torsion Beam Type (EV) with gas shock absorbers

### Steering

Type	Rack & Pinion
Gearing	2.66 turns lock-to-lock
Turning radius	5.3 metres (minimum)
Overall Steering Gear Ratio	13.9:1

### Brakes (all engines)

Front (Diameter)	280 mm
Rear (Diameter)	<b>HEV:</b> 262 mm <b>EV:</b> 284 mm
Assistance	ABS, EPB (only EV), ESC and AEB

### Wheels and tyres (HEV)

Wheel type	Tyres
6.0J x 15-inch alloy wheels	195 / 65 R15
7.0J x 17-inch alloy wheels	225 / 45 R17

### Wheels and tyres (EV)

Wheel type	Tyres
6.5J x 16-inch alloy wheels,	205 / 55 R16

### Exterior (mm)

Overall length	4.470
Overall width	1.820
Overall height	1.450
Wheelbase	2.700
Ground clearance	140
Front overhang	880
Rear overhang	890
Wheel tread (front)	<b>HEV:</b> 1.563 / 1.549 (15"/17") <b>EV:</b> 1.555 (16")
Wheel tread (rear)	<b>HEV:</b> 1.577 / 1.563 (15"/17") <b>EV:</b> 1.564 (16")

### Interior (mm)

	First row	Second row
Head room (With / without sunroof)	994 / 1,024 (970 / 1,004)	950
Leg room	1.073 / 1,136	906 / 800
Shoulder room	1.425	1.396
Hip room	1.366	1.344

### Capacities (litres)

Fuel tank	<b>HEV:</b> 45
Luggage (l VDA)	<b>HEV:</b> min 443 l / 550 l / max 1505 l (VDA 211/ 213 /214) <b>EV:</b> min 350 l / 455 l /max 1410 l (VDA 211 / 213 / 214)

### Weight

Weight (HEV)	
Curb weight (kg) (in running order without driver)	1.370
Maximum Payload	500
Gross Vehicle Weight (kg)	1.870

Weight (EV)	
Curb weight (kg) (in running order without driver)	1.420
Maximum Payload	460
Gross Vehicle Weight (kg)	1.880