

TECHNICAL SPECIFICATION 2021
RANGE ROVER VELAR



ABOVE & BEYOND



ENGINES

You can select from a choice of diesel, petrol and plug-in hybrid engines. These engines are designed for clean and efficient combustion and are all equipped with Stop/Start technology and smart regenerative charging.

Configure your Range Rover Velar at landrover.com

POWERTRAIN

Transmission
Driveline
Maximum power (PS / kW / rpm)
Maximum torque (Nm / rpm)
Capacity (cc)
No. of cylinders / Valves per cylinder
Cylinder layout
Bore / stroke (mm)
Compression ratio (:1)

FUEL ECONOMY*

Consumption	Combined	l/100km
CO ₂ Emissions	Combined	(g/km)

DIESEL	
D200	D300
Automatic	Automatic
All Wheel Drive (AWD)	All Wheel Drive (AWD)
199 / 146,4 / 3.750	300 / 221 / 4.000
430 / 1.750-2.500	650 / 1.500-2.500
1.997	2.996
4 / 4	6 / 4
Inline	Inline
83 / 92,31	83 / 92,31
16,5+ / -0,5	15,5
From 5,9	From 7,3
From 156	From 193

*The figures provided are NEDC calculated from official manufacturer's tests. Figures may vary according to environment and driving style. For comparison purposes only. Real-world figures may differ.

Some features on images may vary between optional and standard for different model years and due to the impact of Covid-19, many of our images have not been updated to reflect 22MY specifications. Please refer to the car configurator and additionally consult your local Retailer for detailed 22MY specifications and do not base an order on website imagery alone. Jaguar Land Rover Limited is constantly seeking ways to improve the specification, design and production of its vehicles, parts and accessories and alterations take place continually, and we reserve the right to change without notice.

TECHNICAL SPECIFICATION

FUEL ECONOMY - continued

Fuel tank capacity - useable litres

Selective Catalytic Reduction Filter /

Gasoline Particulate Filter (SCR / GPF)

PERFORMANCE

Acceleration (secs) 0-100 km/h (0-60 mph)

Maximum speed km/h (mph)

BRAKES

Front type

Front diameter (mm)

Rear type

Rear diameter (mm)

Park Brake

WEIGHTS (kg)**

Unladen weight (EU)[†]

Unladen weight (DIN)^{††}

Gross Vehicle Weight (GVW)

TOWING (kg)

Unbraked trailer

Maximum towing

Maximum coupling point (nose weight)

Maximum vehicle and trailer combination

ROOF CARRYING (kg)

Maximum roof load (including cross bars)

	DIESEL	
	D200	D300
Fuel tank capacity - useable litres	62	68
Selective Catalytic Reduction Filter / Gasoline Particulate Filter (SCR / GPF)	■	■
Acceleration (secs) 0-100 km/h (0-60 mph)	8,2 (7,7)	6,5 (6,1)
Maximum speed km/h (mph)	210 (130)	230 (143)*
Front type	Single piston sliding caliper, vented disc	Single piston sliding caliper, vented disc
Front diameter (mm)	350	370
Rear type	Single piston sliding caliper, vented disc	Single piston sliding caliper, vented disc
Rear diameter (mm)	325	325
Park Brake	iEPB, motor on caliper	iEPB, motor on caliper
Unladen weight (EU) [†]	1.946	2.068
Unladen weight (DIN) ^{††}	1.871	1.993
Gross Vehicle Weight (GVW)	2.590	2.710
Unbraked trailer	750	750
Maximum towing	2.400	2.500
Maximum coupling point (nose weight)	100	100
Maximum vehicle and trailer combination	4.990	5.210
Maximum roof load (including cross bars)	79	79

■ Standard.

*Top speed on engines with coil suspension is 210km/h (130mph).

**Weights reflect vehicles to standard specifications. Optional extras increase weight.

[†]Includes a 75kg driver, full fluids and 90% fuel.

^{††}Includes full fluids and 90% fuel.

ENGINES

POWERTRAIN

Mild Hybrid Electric Vehicle (MHEV)

Transmission

Driveline

Maximum power (PS / kW / rpm)

Maximum torque (Nm / rpm)

Capacity (cc)

No. of cylinders / Valves per cylinder

Cylinder layout

Bore / stroke (mm)

Compression ratio (:1)

FUEL ECONOMY - NEDC EQUIVALENT (NEDC2)*

NEDC2 Consumption	Urban	l/100km (mpg)
	Extra Urban	l/100km (mpg)
Combined	l/100km (mpg)	
NEDC2 CO ₂ Emissions	Urban	(g/km)
	Extra Urban	(g/km)
	Combined	(g/km)

FUEL ECONOMY - WLTP**

WLTP Consumption	Low	l/100km (mpg)
	Medium	l/100km (mpg)
	High	l/100km (mpg)
	Extra High	l/100km (mpg)
	Combined	l/100km (mpg)
WLTP CO ₂ Emissions	Low	(g/km)
	Medium	(g/km)
	High	(g/km)
	Extra High	(g/km)
	Combined	(g/km)

DIESEL MHEV

D200

■

Automatic

All Wheel Drive (AWD)

204 / 150 / 3.750

430 / 1.750-2.500

1.997

4 / 4

Inline

83 / 92,31

16,5+ / -0,5

D300

■

Automatic

All Wheel Drive (AWD)

300 / 221 / 4.000

650 / 1.500-2.500

2.996

6 / 4

Inline

83 / 92,31

15,5

CLASS A

CLASS B

5,9 (47,9)	5,9 (47,9)
4,9 (57,6)	5,0 (56,5)
5,3 (53,3)	5,3 (53,3)
155	156
130	132
139	141

CLASS A

CLASS B

9,0 (31,4)	9,0 (31,4)
5,8 (48,8)	5,8 (48,8)
6,9 (40,7)	6,9 (40,7)
237	237
153	153
183	183

■ Standard.

Class A (18"-20" wheel)
Class B (21" and 22" wheels with
All Season and Summer tyres).

*The figures provided are NEDC2 calculated from official manufacturer's WLTP tests in accordance with EU legislation. For comparison purposes only. Real-world figures may differ. CO₂ and fuel economy figures may vary according to factors such as driving styles, environmental conditions, load, wheel fitment and accessories fitted. NEDC2 are figures calculated using a Government formula from WLTP figures equivalent to what they would have been under the old NEDC test. The correct tax treatment can then be applied.

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TECHNICAL SPECIFICATION

FUEL ECONOMY - continued

Fuel tank capacity - useable litres

Selective Catalytic Reduction Filter /

Gasoline Particulate Filter (SCR / GPF)

PERFORMANCE

Acceleration (secs) 0-100 km/h (0-60 mph)

Maximum speed km/h (mph)

BRAKES

Front type

Front diameter (mm)

Rear type

Rear diameter (mm)

Park Brake

WEIGHTS (kg)**

Unladen weight (EU)[†]

Unladen weight (DIN)^{††}

Gross Vehicle Weight (GVW)

TOWING (kg)

Unbraked trailer

Maximum towing

Maximum coupling point (nose weight)

Maximum vehicle and trailer combination

ROOF CARRYING (kg)

Maximum roof load (including cross bars)

	DIESEL MHEV	
	D200	D300
	62	68
	■	■
	8,2 (7,7)	6,5 (6,1)
	210 (130)	230 (143)*
	Single piston sliding caliper, vented disc	Single piston sliding caliper, vented disc
	350	370
	Single piston sliding caliper, vented disc	Single piston sliding caliper, vented disc
	325	325
	iEPB, motor on caliper	iEPB, motor on caliper
	2.003	2.124
	1.928	2.049
	2.590	2.710
	750	750
	2.400	2.500
	100	100
	4.990	5.210
	79	79

■ Standard.

*Top speed on engines with coil suspension is 210km/h (130mph).

**Weights reflect vehicles to standard specifications. Optional extras increase weight.

[†]Includes a 75kg driver, full fluids and 90% fuel.

^{††}Includes full fluids and 90% fuel.

ENGINES

POWERTRAIN

Transmission
Driveline
Maximum power (PS / kW / rpm)
Maximum torque (Nm / rpm)
Capacity (cc)
No. of cylinders / Valves per cylinder
Cylinder layout
Bore / stroke (mm)
Compression ratio (:1)

FUEL ECONOMY - NEDC EQUIVALENT (NEDC2)*

NEDC2 Consumption	Urban	l/100km (mpg)
	Extra Urban	l/100km (mpg)
	Combined	l/100km (mpg)
NEDC2 CO ₂ Emissions	Urban	(g/km)
	Extra Urban	(g/km)
	Combined	(g/km)

FUEL ECONOMY - WLTP**

WLTP Consumption	Low	l/100km (mpg)
	Medium	l/100km (mpg)
	High	l/100km (mpg)
	Extra High	l/100km (mpg)
	Combined	l/100km (mpg)
WLTP CO ₂ Emissions	Low	(g/km)
	Medium	(g/km)
	High	(g/km)
	Extra High	(g/km)
	Combined	(g/km)

PETROL
P250
Automatic
All Wheel Drive (AWD)
250 / 184 / 5.000
365 / 1.300-4.500
1.997,3
4 / 4
In-line
83 / 92,29
10,5+ / -0,5

	CLASS A	CLASS B
	9,4 (30,1)	9,6 (29,4)
	6,7 (42,2)	6,8 (41,5)
	7,7 (36,7)	7,8 (36,2)
	214	219
	151	154
	174	177

	12,7-13,2 (22,2-21,4)
	9,3-10,1 (30,4-28,0)
	8,0-9,0 (35,3-31,4)
	9,3-10,8 (30,4-26,2)
	9,4-10,4 (30,1-27,2)
	285-298
	208-227
	180-203
	211-243
	211-235

Class A (18"-20" wheel)
Class B (21" and 22" wheels with
All Season and Summer tyres).

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TECHNICAL SPECIFICATION

FUEL ECONOMY - continued

Fuel tank capacity - useable litres

Selective Catalytic Reduction Filter /

Gasoline Particulate Filter (SCR / GPF)

PERFORMANCE

Acceleration (secs) 0-100 km/h (0-60 mph)

Maximum speed km/h (mph)

BRAKES

Front type

Front diameter (mm)

Rear type

Rear diameter (mm)

Park Brake

WEIGHTS (kg)*

Unladen weight (EU)**

Unladen weight (DIN)†

Gross Vehicle Weight (GVW)

TOWING (kg)

Unbraked trailer

Maximum towing

Maximum coupling point (nose weight)

Maximum vehicle and trailer combination

ROOF CARRYING (kg)

Maximum roof load (including cross bars)

PETROL

P250

82

■

7,5 (7,1)

217 (135)

Single piston sliding caliper, vented disc

350

Single piston sliding caliper, vented disc

325

iEPB, motor on caliper

1.950

1.875

2.550

750

2.400

100

4.950

79

■ Standard.

*Weights reflect vehicles to standard specifications. Optional extras increase weight.

**Includes a 75kg driver, full fluids and 90% fuel.

†Includes full fluids and 90% fuel.

ENGINES

POWERTRAIN

Mild Hybrid Electric Vehicle (MHEV)

Transmission

Driveline

Maximum power (PS / kW / rpm)

Maximum torque (Nm / rpm)

Capacity (cc)

No. of cylinders / Valves per cylinder

Cylinder layout

Bore / stroke (mm)

Compression ratio (:1)

FUEL ECONOMY - NEDC EQUIVALENT (NEDC2)*

NEDC2 Consumption	Urban	l/100km (mpg)
	Extra Urban	l/100km (mpg)
	Combined	l/100km (mpg)

NEDC2 CO ₂ Emissions	Urban	(g/km)
	Extra Urban	(g/km)
	Combined	(g/km)

FUEL ECONOMY - WLTP[†]

WLTP Consumption	Low	l/100km (mpg)
	Medium	l/100km (mpg)
	High	l/100km (mpg)
	Extra High	l/100km (mpg)
	Combined	l/100km (mpg)

WLTP CO ₂ Emissions	Low	(g/km)
	Medium	(g/km)
	High	(g/km)
	Extra High	(g/km)
	Combined	(g/km)

PETROL MHEV

P340



Automatic

All Wheel Drive (AWD)

340 / 250 / 5.500-6.500

480 / 1.500-4.500

2.995

6 / 4

Inline

83 / 92,3

10,5

P400



Automatic

All Wheel Drive (AWD)

400 / 294 / 5.500-6.500

550 / 2.000-5.000

2.995

6 / 4

Inline

83 / 92,3

10,5

CLASS A

CLASS B

NEDC2 Consumption	Urban	l/100km (mpg)	-	11,9 (23,8)	11,9 (23,8)
	Extra Urban	l/100km (mpg)	-	7,2 (39,2)	7,2 (39,2)
	Combined	l/100km (mpg)	From 8,7**	8,9 (31,7)	8,9 (31,7)
NEDC2 CO ₂ Emissions	Urban	(g/km)	-	270	270
	Extra Urban	(g/km)	-	164	164
	Combined	(g/km)	From 202**	202	202

14,5-14,9 (19,5-19,0)

9,7-10,4 (29,1-27,2)

8,4-8,9 (33,6-31,7)

9,4-10,4 (30,1-27,2)

9,8-10,5 (28,8-26,9)

328-337

219-235

188-201

212-234

221-238

14,5-14,9 (19,5-19,0)

9,7-10,4 (29,1-27,2)

8,4-8,9 (33,6-31,7)

9,4-10,4 (30,1-27,2)

9,8-10,5 (28,8-26,9)

328-337

219-235

188-201

212-234

221-238

■ Standard.

Class A (18"-20" wheel)
Class B (21" and 22" wheels with
All Season and Summer tyres).

*The figures provided are NEDC2 calculated from official manufacturer's WLTP tests in accordance with EU legislation. For comparison purposes only. Real-world figures may differ. CO₂ and fuel economy figures may vary according to factors such as driving styles, environmental conditions, load, wheel fitment and accessories fitted. NEDC2 are figures calculated using a Government formula from WLTP figures equivalent to what they would have been under the old NEDC test. The correct tax treatment can then be applied.

**The figures provided are NEDC calculated from official manufacturer's tests. Figures may vary according to environment and driving style. For comparison purposes only. Real-world figures may differ.

[†]The figures provided are as a result of official manufacturer's tests in accordance with EU legislation. For comparison purposes only. Real-world figures may differ. CO₂ and fuel economy figures may vary according to factors such as driving styles, environmental conditions, load, wheel fitment and accessories fitted.

TECHNICAL SPECIFICATION

FUEL ECONOMY - continued

Fuel tank capacity - useable litres

Selective Catalytic Reduction Filter /

Gasoline Particulate Filter (SCR / GPF)

PERFORMANCE

Acceleration (secs) 0-100 km/h (0-60 mph)

Maximum speed km/h (mph)

BRAKES

Front type

Front diameter (mm)

Rear type

Rear diameter (mm)

Park Brake

WEIGHTS (kg)**

Unladen weight (EU)[†]

Unladen weight (DIN)^{††}

Gross Vehicle Weight (GVW)

TOWING (kg)

Unbraked trailer

Maximum towing

Maximum coupling point (nose weight)

Maximum vehicle and trailer combination

ROOF CARRYING (kg)

Maximum roof load (including cross bars)

	PETROL MHEV	
	P340	P400
Fuel tank capacity - useable litres	82	82
Selective Catalytic Reduction Filter / Gasoline Particulate Filter (SCR / GPF)	■	■
Acceleration (secs) 0-100 km/h (0-60 mph)	6,3 (6,0)	5,5 (5,2)
Maximum speed km/h (mph)	240 (149)*	250 (155)*
Front type	Single piston sliding caliper, vented disc	Single piston sliding caliper, vented disc
Front diameter (mm)	370	370
Rear type	Single piston sliding caliper, vented disc	Single piston sliding caliper, vented disc
Rear diameter (mm)	325	325
Park Brake	iEPB, motor on caliper	iEPB, motor on caliper
Unladen weight (EU) [†]	TBC	2.085
Unladen weight (DIN) ^{††}	2.010	2.010
Gross Vehicle Weight (GVW)	2.670	2.670
Unbraked trailer	750	750
Maximum towing	2.400	2.500
Maximum coupling point (nose weight)	100	100
Maximum vehicle and trailer combination	5.170	5.170
Maximum roof load (including cross bars)	79	79

■ Standard.

*Top speed on engines with coil suspension is 210km/h (130mph).

**Weights reflect vehicles to standard specifications. Optional extras increase weight.

[†]Includes a 75kg driver, full fluids and 90% fuel.

^{††}Includes full fluids and 90% fuel.

ENGINES

POWERTRAIN

Transmission
Driveline
Maximum power (PS / kW / rpm)
Maximum torque (Nm / rpm)
Capacity (cc)
No. of cylinders / Valves per cylinder
Cylinder layout
Bore / stroke (mm)
Compression ratio (:1)

FUEL ECONOMY - NEDC EQUIVALENT (NEDC2)**

NEDC2 Consumption	Combined	l/100km (mpg)
NEDC2 CO ₂ Emissions	Combined	(g/km)

FUEL ECONOMY - WLTP†

WLTP Consumption	Combined	l/100km (mpg)
WLTP CO ₂ Emissions	Combined	(g/km)

PETROL PLUG-IN HYBRID		
P400e		
Automatic		
All Wheel Drive (AWD)		
404 / 297 / 5.500*		
640 / 1.500-4.400*		
1.997,3		
4 / 4		
Inline		
83 / 92,3		
9,5+ / -0,5		
CLASS A	CLASS B	
2,3 (122,8)	2,3 (122,8)	
52	53	
2,2-2,6 (128,4-108,6)		
49-58		

Class A (18"-20" wheel)
Class B (21" and 22" wheels with
All Season and Summer tyres).

*When combined with electric motor.

**The figures provided are NEDC2 calculated from official manufacturer's WLTP tests in accordance with EU legislation with a fully charged battery. For comparison purposes only. Real-world figures may differ. CO₂, fuel economy, energy consumption and range figures may vary according to factors such as driving styles, environmental conditions, load, wheel fitment and accessories fitted. NEDC2 are figures calculated using a Government formula from WLTP figures equivalent to what they would have been under the old NEDC test. The correct tax treatment can then be applied.

†The figures provided are as a result of official manufacturer's tests in accordance with EU legislation with a fully charged battery. For comparison purposes only. Real-world figures may differ. CO₂, fuel economy, energy consumption and range figures may vary according to factors such as driving styles, environmental conditions, load, wheel fitment, accessories fitted, actual route and battery condition. Range figures are based upon production vehicle over a standardised route.

TECHNICAL SPECIFICATION

FUEL ECONOMY - continued

Fuel tank capacity - useable litres

Selective Catalytic Reduction Filter /

Gasoline Particulate Filter (SCRF / GPF)

EV Range Class A Combined (NEDC2*) km (miles)

EV Range Combined (WLTP**) km (miles)

PERFORMANCE

Acceleration (secs) 0-100 km/h (0-60 mph)

Maximum speed km/h (mph)

ELECTRIC MOTOR DATA

Maximum power PS (kW)

Maximum torque (Nm)

BRAKES

Front type

Front diameter (mm)

Rear type

Rear diameter (mm)

Park Brake

WEIGHTS (kg)[†]

Unladen weight (EU)^{††}

Unladen weight (DIN)[‡]

Gross Vehicle Weight (GVW)

TOWING (kg)

Unbraked trailer

Maximum towing

Maximum coupling point (nose weight)

Maximum vehicle and trailer combination

ROOF CARRYING (kg)

Maximum roof load (including cross bars)

PETROL PLUG-IN HYBRID	
P400e	
	69
	■
	61 (38)
	53-46 (33-29)
	5,4 (5,1)
	209 (130)
	143 (105)
	275
	Single piston sliding caliper, vented disc
	370
	Single piston sliding caliper, vented disc
	325
	iEPB, motor on caliper
	2.233
	2.158
	2.720
	750
	2.000
	100
	4.720
	79

■ Standard.

Class A (18"-20" wheel)
Class B (21" and 22" wheels with
All Season and Summer tyres).

*The figures provided are NEDC2 calculated from official manufacturer's WLTP tests in accordance with EU legislation with a fully charged battery. For comparison purposes only. Real-world figures may differ. CO₂, fuel economy, energy consumption and range figures may vary according to factors such as driving styles, environmental conditions, load, wheel fitment and accessories fitted. NEDC2 are figures calculated using a Government formula from WLTP figures equivalent to what they would have been under the old NEDC test. The correct tax treatment can then be applied.

**The figures provided are as a result of official manufacturer's tests in accordance with EU legislation with a fully charged battery. For comparison purposes only. Real-world figures may differ. CO₂, fuel economy, energy consumption and range figures may vary according to factors such as driving styles, environmental conditions, load, wheel fitment, accessories fitted, actual route and battery condition. Range figures are based upon production vehicle over a standardised route.

[†]Weights reflect vehicles to standard specifications. Optional extras increase weight.

^{††}Includes a 75kg driver, full fluids and 90% fuel.

[‡]Includes full fluids and 90% fuel.

DIMENSIONS AND CAPABILITIES

STANDARD RIDE HEIGHT

Maximum height 1.678mm (Air) 1.683mm (Coil)
 Access height air suspension setting will reduce the above by 40mm

HEADROOM

Maximum front / rear headroom with standard roof 993mm / 988mm
 Maximum front / rear headroom with panoramic roof 970mm / 966mm

LEGROOM

Maximum front legroom 1.023mm
 Maximum rear legroom 944mm

LOADSPACE CAPACITY

Height 687mm, Width 1.245mm
 Loadspace width between arches 1.050mm
 Maximum loadspace volume behind first row
 Dry* 1.374 litres, Wet** 1.811 litres
 Maximum loadspace volume behind second row
 Dry* 568 litres, Wet** 748 litres

Obstacle Clearance

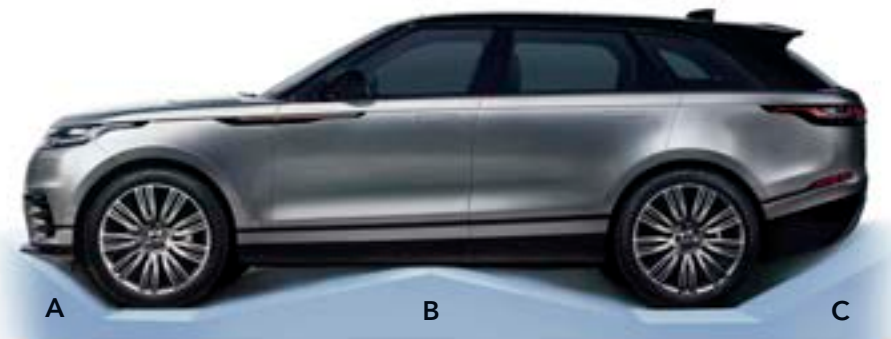
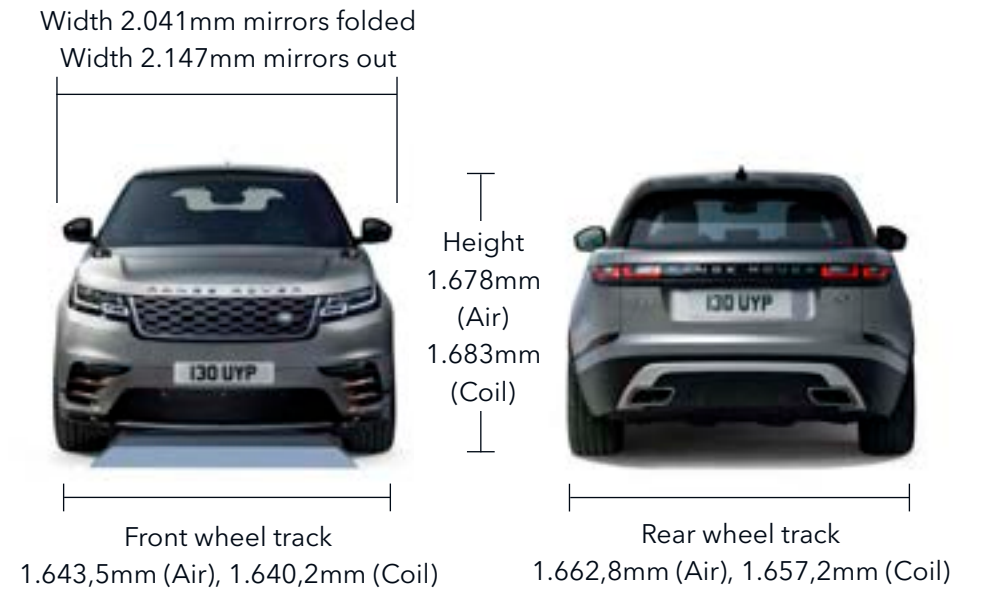
Off-road height (Air) 251mm[†] (Coil) 213mm
 Standard ride height (Air) 205mm[†] (Coil) 214mm

TURNING CIRCLE

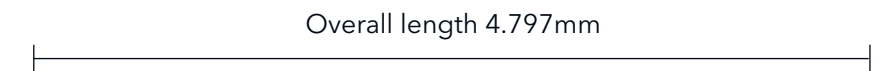
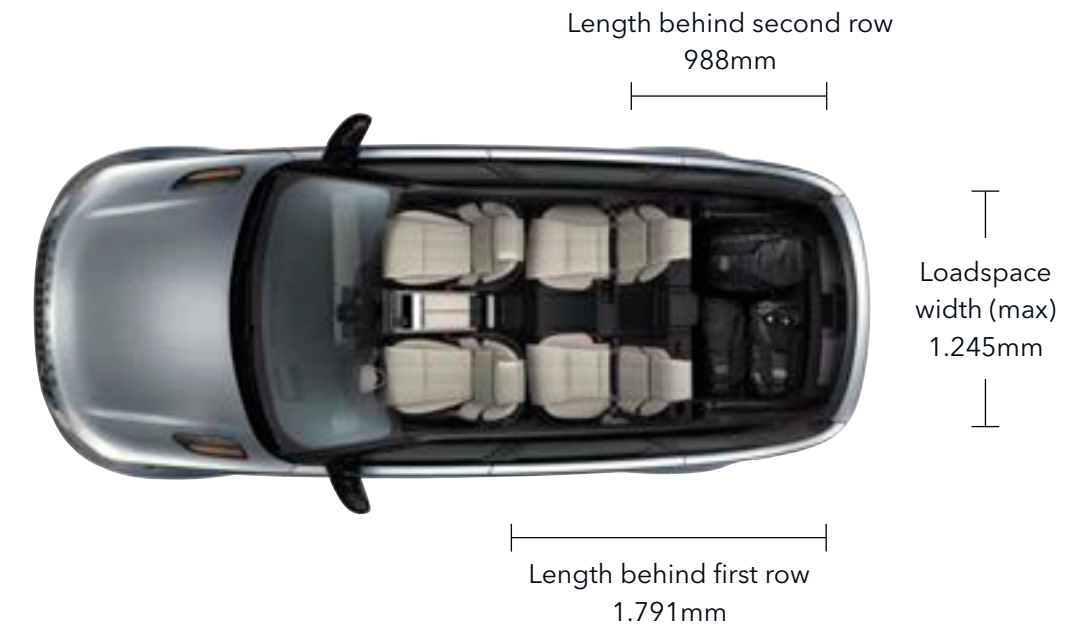
Kerb-to-kerb 11,95m
 Wall-to-wall 12,35m
 Turns lock-to-lock 2,52

WADING DEPTH

Maximum wading depth 530mm / 580mm[†]



	A	B	C
Ride Height	Approach Angle	Ramp Angle	Departure Angle
Off-road Air (Coil)	27,5° (25,0°)	23,5° (22,0°)	29,5° (27,0°)
Standard Air (Coil)	22,5° (23,6°)	18,3° (19,1°)	24,8° (25,0°)



Wheelbase 2.874mm

*Dry: Volume as measured with VDA-compliant solid blocks (200mm x 50mm x 100mm). Volume measured up to the headliner. Boot configuration and total loadspace will vary by vehicle specification (model and powertrain) and market. **Wet: Volume as measured by simulating the loadspace filled with liquid. Volume measured up to the headliner. Boot configuration and total loadspace will vary by vehicle specification (model and powertrain) and market. [†]Electronic air suspension only.

Vehicle shown is R-Dynamic HSE in Silicon Silver with optional panoramic roof, Black contrast roof, privacy glass and 22" Style 9007, 9 split-spoke, Satin Light Silver with contrast Diamond Turned finish.

Figures may vary for P400e models.