

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.co.uk](https://www.landrover.co.uk)

			DIESEL MHEV	
POWERTRAIN			D200	D300
Mild Hybrid Electric Vehicle (MHEV)			■	■
Transmission			Automatic	Automatic
Driveline			All Wheel Drive (AWD)	All Wheel Drive (AWD)
Maximum power HP/kW/rpm			204/150/3,750	300/221/4,000
Maximum torque (Nm/rpm)			430/1,750-2,500	650/1,500-2,500
Capacity (cc)			1,997	2,996
No. of cylinders/Valves per cylinder			4/4	6/4
Cylinder layout			In-line	In-line
Bore/stroke (mm)			83/92.31	83/92.31
Compression ratio (:1)			16.5+ / -0.5	15.5
FUEL ECONOMY - WLTP*				
WLTP Consumption	Low	mpg (l/100km)	37.2 - 36.2 (7.6 - 7.8)	26.9 - 25.7 (10.5 - 11.0)
	Medium	mpg (l/100km)	46.3 - 42.2 (6.1 - 6.7)	36.7 - 36.2 (7.7 - 7.8)
	High	mpg (l/100km)	52.3 - 46.3 (5.4 - 6.1)	47.1 - 42.8 (6.0 - 6.6)
	Extra High	mpg (l/100km)	42.2 - 37.2 (6.7 - 7.6)	38.7 - 34.9 (7.3 - 8.1)
	Combined	mpg (l/100km)	44.8 - 40.4 (6.3 - 7.0)	38.2 - 35.3 (7.4 - 8.0)
WLTP CO ₂ Emissions	Combined	g/km	165 - 183	194 - 209
Fuel tank capacity - useable litres			62	68
Selective Catalytic Reduction Filter/ Gasoline Particulate Filter (SCR/GPF)			■	■

■ Standard.

*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.

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

	DIESEL MHEV	
	D200	D300
PERFORMANCE		
Acceleration (secs) 0-60mph (0-100 km/h)	7.7 (8.2)	6.1 (6.5)
Maximum speed mph (km/h)	130 (210)	143 (230)*
BRAKES		
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
WEIGHTS (kg)**		
Unladen weight (EU)†	2,003	2,124
Unladen weight (DIN)††	1,928	2,049
Gross Vehicle Weight (GVW)	2,590	2,710
TOWING (kg)		
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
ROOF CARRYING (kg)		
Maximum roof load (including cross bars)	79	79

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

**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 HP/kW/rpm

Maximum torque (Nm/rpm)

Capacity (cc)

No. of cylinders/Valves per cylinder

Cylinder layout

Bore/stroke (mm)

Compression ratio (:1)

FUEL ECONOMY - WLTP*

WLTP Consumption	Low	mpg (l/100km)
	Medium	mpg (l/100km)
	High	mpg (l/100km)
	Extra High	mpg (l/100km)
	Combined	mpg (l/100km)
WLTP CO ₂ Emissions	Combined	g/km
Fuel tank capacity - useable litres		
Selective Catalytic Reduction Filter/ Gasoline Particulate Filter (SCR/F/GPF)		

	PETROL	PETROL MHEV
	P250	P400
	-	■
Transmission	Automatic	Automatic
Driveline	All Wheel Drive (AWD)	All Wheel Drive (AWD)
Maximum power HP/kW/rpm	250/184/5,000	400/294/5,500-6,500
Maximum torque (Nm/rpm)	365/1,300-4,500	550/2,000-5,000
Capacity (cc)	1,997	2,995
No. of cylinders/Valves per cylinder	4/4	6/4
Cylinder layout	In-line	In-line
Bore/stroke (mm)	83/92.29	83/92.3
Compression ratio (:1)	10.5+ / -0.5	10.5
WLTP Consumption	22.2 - 21.4 (12.7 - 13.2)	19.5 - 19.0 (14.5 - 14.9)
	30.4 - 28.0 (9.3 - 10.1)	29.1 - 27.2 (9.7 - 10.4)
	35.3 - 31.4 (8.0 - 9.0)	33.6 - 31.7 (8.4 - 8.9)
	30.4 - 26.2 (9.3 - 10.8)	30.1 - 27.2 (9.4 - 10.4)
	30.1 - 27.2 (9.4 - 10.4)	28.8 - 26.9 (9.8 - 10.5)
WLTP CO ₂ Emissions	211 - 235	221 - 238
Fuel tank capacity - useable litres	82	82
Selective Catalytic Reduction Filter/ Gasoline Particulate Filter (SCR/F/GPF)	■	■

■ Standard - Not Available.

*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

	PETROL	PETROL MHEV
	P250	P400
PERFORMANCE		
Acceleration (secs) 0-60mph (0-100 km/h)	7.1 (7.5)	5.2 (5.5)
Maximum speed mph (km/h)	135 (217)	155 (250)*
BRAKES		
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
WEIGHTS (kg)**		
Unladen weight (EU) [†]	1,950	2,085
Unladen weight (DIN) ^{††}	1,875	2,010
Gross Vehicle Weight (GVW)	2,550	2,670
TOWING (kg)		
Unbraked trailer	750	750
Maximum towing	2,400	2,500
Maximum coupling point (nose weight)	100	100
Maximum vehicle and trailer combination	4,950	5,170
ROOF CARRYING (kg)		
Maximum roof load (including cross bars)	79	79

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

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

FUEL ECONOMY - WLTP**

WLTP Consumption	Combined	mpg (l/100km)
WLTP CO ₂ Emissions	Combined	g/km
EV Range (eAER)	Combined	miles (km)
Fuel tank capacity - useable litres		
Selective Catalytic Reduction Filter/ Gasoline Particulate Filter (SCR/F/GPF)		

PETROL PHEV		
P400e		
Automatic		
All Wheel Drive (AWD)		
404/297/5,500*		
640/1,500-4,400*		
1,997		
4/4		
In-line		
83/92.3		
9.5+ / -0.5		
128.4 - 108.6 (2.2 - 2.6)		
49 - 58		
Up to 33 (53)		
69		
■		

■ Standard.

*When combined with electric motor.
 **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

PERFORMANCE

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

Maximum speed mph (km/h)

ELECTRIC MOTOR DATA

Maximum power (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 PHEV

P400e

5.1 (5.4)

130 (209)

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

*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

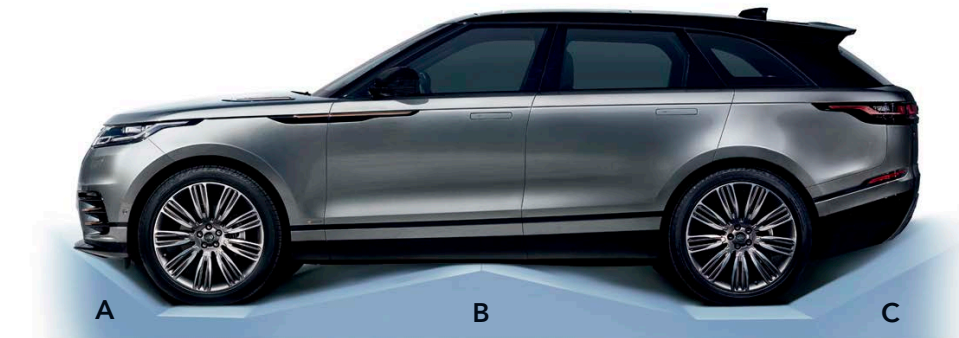
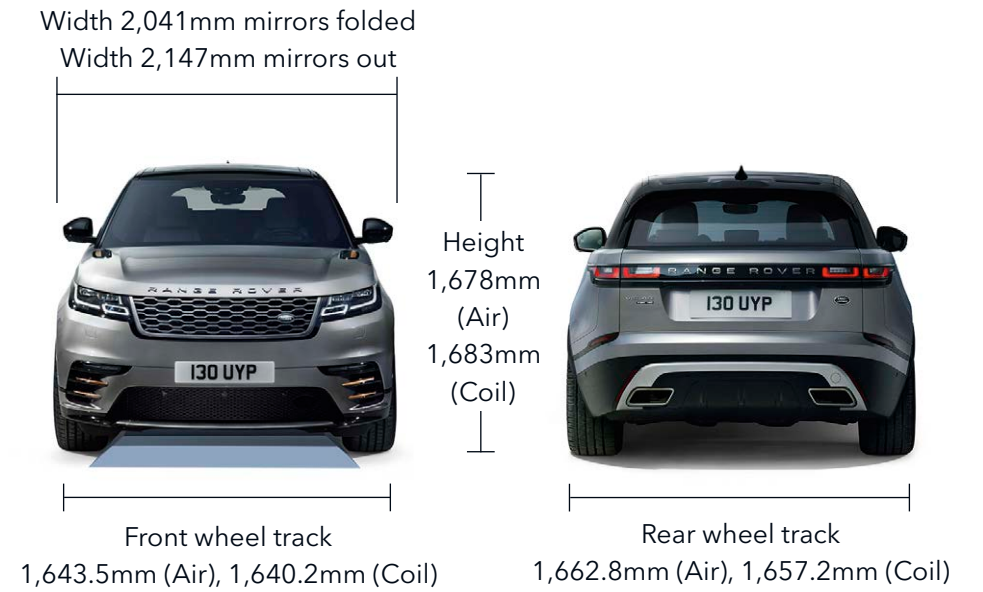
Off-road height (Air) 251mm† (Coil) 213mm
 Standard ride height (Air) 205mm† (Coil) 214mm

TURNING CIRCLE

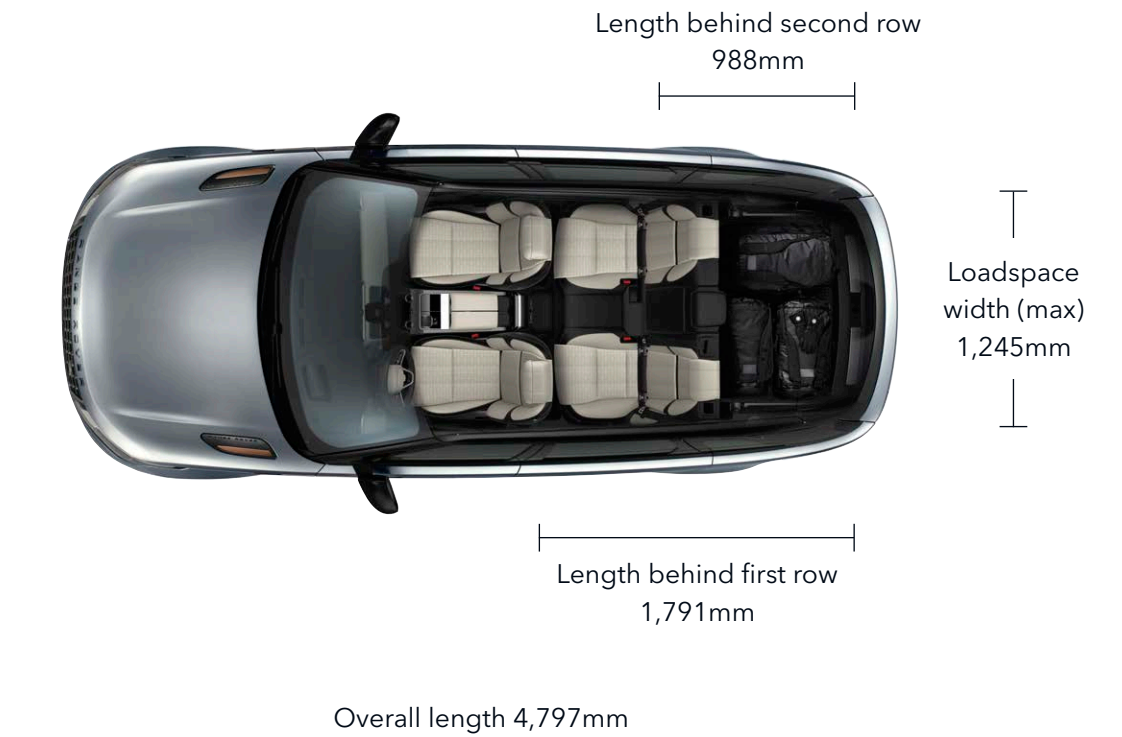
Kerb-to-kerb 11.95m
 Wall-to-wall 12.35m
 Turns lock-to-lock 2.52

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). **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). †Electronic air suspension only.

Vehicle shown is R-Dynamic HSE in Silicon Silver with optional features fitted.

Figures may vary for P400e models.