

TECHNICAL SPECIFICATION 2026

RANGE ROVER  
VELAR



# ENGINES AND TECHNICAL SPECIFICATION

Range Rover Velar features advanced engine options, providing new levels of performance, efficiency, and refinement.

There is a plug-in electric hybrid (PHEV) for all-electric, zero tailpipe emissions driving, as well as petrol and diesel engine options.

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**1**

## ENGINES

View the available engines,  
their fuel economy and specifications.

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**2**

## DIMENSIONS AND CAPABILITIES

View the ride height, turning circle  
and other capability specifications.

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## ENGINES

ENGINE	PLUG-IN PETROL ELECTRIC HYBRID (PHEV)	
	P400e	
Transmission	Automatic	
Driveline	All Wheel Drive (AWD)	
Maximum power (PS / kW / rpm)	404 / 297 / 5.500*	
Maximum torque (Nm / rpm)	640 / 1.500-4.400*	
Capacity (cc)	1.997	
No. of cylinders / Valves per cylinder	4 / 4	
Cylinder layout	Inline	
Bore / stroke (mm)	83 / 92,3	
Compression ratio (:1)	9,5	
FUEL ECONOMY**		
Consumption	Combined	l/100km
CO <sub>2</sub> Emissions	Combined	(g/km)
FUEL ECONOMY – WLTP <sup>†</sup>		
WLTP Consumption	Combined	l/100km
WLTP CO <sub>2</sub> Emissions	Combined	(g/km)
Fuel tank capacity - useable litres		69
Selective Catalytic Reduction Filter / Gasoline Particulate Filter (SCRF / GPF)		■

■ Standard.

\*When combined with electric motor. \*\*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.

<sup>†</sup>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. CO<sub>2</sub>, 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.

## ENGINES

PLUG-IN PETROL ELECTRIC HYBRID (PHEV)	
P400e	
<b>BATTERY AND CHARGING TIMES</b>	
Home Charger / Wall box 7kW	2 hours 30 minutes to 100%
Rapid DC Charger 35kW	30 minutes to 80%
Domestic Plug 2,3kW	8 hours to 100%
Battery capacity Total (Usable) kWh	19.246 (15.39)
Charging cable length (m)	5
<b>PERFORMANCE</b>	
Acceleration (secs) 0-100 km/h (0-60 mph)	5,4 (5,1)
Maximum speed km/h (mph)	209 (130)
<b>ELECTRIC MOTOR DATA</b>	
Maximum power PS (kW)	142.7 (105)
Maximum torque (Nm)	275
EV Range Class A Combined (NEDC2*) km	69
EV Range Combined (WLTP**) km (miles)	59-58 (37-36)
EV Range expected Real World data (up to) km (miles)	49 (30)
<b>BRAKES</b>	
Front type	Single piston sliding caliper, vented disc
Front diameter (mm)	370
Rear type	Single piston sliding caliper, vented disc
Rear diameter (mm)	325
Park Brake	iEPB, motor on caliper
<b>WEIGHTS (kg)<sup>†</sup></b>	
Unladen weight (EU) <sup>††</sup>	2.280
Unladen weight (DIN) <sup>‡</sup>	2.205
Gross Vehicle Weight (GVW)	2.740
<b>TOWING (kg)</b>	
Unbraked trailer	750
Maximum towing	2.000
Maximum coupling point (nose weight)	100
Maximum vehicle and trailer combination	4.740
<b>ROOF CARRYING (kg)</b>	
Maximum roof load (including cross bars)	79

\*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 with a fully charged battery. For comparison purposes only. Real-world figures may differ. CO<sub>2</sub>, 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. <sup>†</sup>Weights reflect vehicles to standard specifications. Optional extras increase weight. <sup>††</sup>Includes a 75kg driver, full fluids and 90% fuel. <sup>‡</sup>Includes full fluids and 90% fuel.

## ENGINES

ENGINE	PETROL MILD HYBRID (MHEV)	
	P 400	P 340
Mild Hybrid Electric Vehicle (MHEV)	■	■
Transmission	Automatic	Automatic
Driveline	All Wheel Drive (AWD)	All Wheel Drive (AWD)
Maximum power (PS / kW / rpm)	400 / 294 / 5.500-6.500	340 / 250 / 5.500-6.500
Maximum torque (Nm / rpm)	550 / 2.000-5.000	480 / 1.500-4.500
Capacity (cc)	2.996	2.996
No. of cylinders / Valves per cylinder	6 / 4	6 / 4
Cylinder layout	Inline	Inline
Bore / stroke (mm)	83 / 92,3	83 / 92,3
Compression ratio (:1)	10,5	10,5
FUEL ECONOMY*		
Consumption	Combined	9,1
CO <sub>2</sub> Emissions	Combined	(g/km)
		206
FUEL ECONOMY – WLTP**		
WLTP Consumption	Low	I/100km (mpg)
	Medium	I/100km (mpg)
	High	I/100km (mpg)
	Extra High	I/100km (mpg)
	Combined	I/100km (mpg)
WLTP CO <sub>2</sub> Emissions	Low	(g/km)
	Medium	(g/km)
	High	(g/km)
	Extra High	(g/km)
	Combined	(g/km)
Fuel tank capacity - useable litres		83
Selective Catalytic Reduction Filter / Gasoline Particulate Filter (SCRF / GPF)	■	■

■ Standard – Not Available.

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## ENGINES

	PETROL MILD HYBRID (MHEV)	
PERFORMANCE	P400	P340
Acceleration (secs) 0-100 km/h (0-60 mph)	5,5 (5,2)	6,3 (6,0)
Maximum speed km/h (mph)	250 (155)*	240 (149)*
Brakes		
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
Weights (kg)**		
Unladen weight (EU) <sup>†</sup>	2.085	2.085
Unladen weight (DIN) <sup>††</sup>	2.010	2.010
Gross Vehicle Weight (GVW)	2.670	2.670
Towing (kg)		
Unbraked trailer	750	750
Maximum towing	2.500	2.500
Maximum coupling point (nose weight)	100	100
Maximum vehicle and trailer combination	5.170	5.170
Roof carrying (kg)		
Maximum roof load (including cross bars)	79	79

\*Top speed on engines with coil suspension is 210km/h (130mph). \*\*Weights reflect vehicles to standard specifications. Optional extras increase weight. <sup>†</sup>Includes a 75kg driver, full fluids and 90% fuel. <sup>††</sup>Includes full fluids and 90% fuel.

## ENGINES

ENGINE	PETROL	
	P250	
Transmission	Automatic	
Driveline	All Wheel Drive (AWD)	
Maximum power (PS / kW / rpm)	250 / 183.9 / 5.500	
Maximum torque (Nm / rpm)	365 / 1.300-4.500	
Capacity (cc)	1.997	
No. of cylinders / Valves per cylinder	4 / 4	
Cylinder layout	In-line	
Bore / stroke (mm)	83 / 92,3	
Compression ratio (:1)	10,5	
<b>FUEL ECONOMY*</b>		
Consumption	Combined	l/100km
CO <sub>2</sub> Emissions	Combined	(g/km)
Fuel tank capacity - useable litres		83
Selective Catalytic Reduction Filter / Gasoline Particulate Filter (SCRF / GPF)		■

■ Standard.

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## ENGINES

	PETROL
	P250
<b>PERFORMANCE</b>	
Acceleration (secs) 0-100 km/h (0-60 mph)	7,5 (7,1)
Maximum speed km/h (mph)	217 (135)
<b>Brakes</b>	
Front type	Single piston sliding caliper, vented disc
Front diameter (mm)	350
Rear type	Single piston sliding caliper, vented disc
Rear diameter (mm)	325
Park Brake	iEPB, motor on caliper
<b>Weights (kg)*</b>	
Unladen weight (EU)**	1.950
Unladen weight (DIN) <sup>†</sup>	1.875
Gross Vehicle Weight (GVW)	2.550
<b>Towing (kg)</b>	
Unbraked trailer	750
Maximum towing	2.400
Maximum coupling point (nose weight)	100
Maximum vehicle and trailer combination	4.950
<b>Roof carrying (kg)</b>	
Maximum roof load (including cross bars)	79

## ENGINES

ENGINE	DIESEL MILD HYBRID (MHEV)		D200
	D300	■	
Mild Hybrid Electric Vehicle (MHEV)		Automatic	■
Transmission		All Wheel Drive (AWD)	Automatic
Driveline		300 / 221 / 4.000	All Wheel Drive (AWD)
Maximum power (PS / kW / rpm)		650 / 1.500-2.500	204 / 150 / 3.750-4.000
Maximum torque (Nm / rpm)		2.997	430 / 1.750-2.500
Capacity (cc)		6 / 4	1.998
No. of cylinders / Valves per cylinder		Inline	4 / 4
Cylinder layout		83 / 92,3	Inline
Bore / stroke (mm)		15,5	83 / 92,3
Compression ratio (:1)			16,5
FUEL ECONOMY*			
Consumption	Combined	l/100km	7,0
CO <sub>2</sub> Emissions	Combined	(g/km)	185
FUEL ECONOMY – WLTP**			
WLTP Consumption	Low	l/100km (mpg)	10,4-11,2 (27,2-25,1)
	Medium	l/100km (mpg)	7,6-7,9 (37,2-35,9)
	High	l/100km (mpg)	5,7-6,1 (49,6-46,4)
	Extra High	l/100km (mpg)	7,1-7,7 (40,0-36,7)
	Combined	l/100km (mpg)	7,2-7,7 (39,3-36,6)
WLTP CO <sub>2</sub> Emissions	Low	(g/km)	272-294
	Medium	(g/km)	198-206
	High	(g/km)	149-159
	Extra High	(g/km)	185-201
	Combined	(g/km)	188-202
Fuel tank capacity - useable litres			68
Selective Catalytic Reduction Filter / Gasoline Particulate Filter (SCRF / GPF)		■	■

■ Standard.

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## ENGINES

	DIESEL MILD HYBRID (MHEV)	
	D300	D200
<b>PERFORMANCE</b>		
Acceleration (secs) 0-100 km/h (0-60 mph)	6,5 (6,1)	8,3 (7,8)
Maximum speed km/h (mph)	230 (143)*	210 (130)
<b>Brakes</b>		
Front type	Single piston sliding caliper, vented disc	Single piston sliding caliper, vented disc
Front diameter (mm)	370	350
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
<b>Weights (kg)**</b>		
Unladen weight (EU) <sup>†</sup>	2.124	2.003
Unladen weight (DIN) <sup>††</sup>	2.049	1.928
Gross Vehicle Weight (GVW)	2.710	2.590
<b>Towing (kg)</b>		
Unbraked trailer	750	750
Maximum towing	2.500	2.400
Maximum coupling point (nose weight)	100	100
Maximum vehicle and trailer combination	5.210	4.990
<b>Roof carrying (kg)</b>		
Maximum roof load (including cross bars)	79	79

\*Top speed on engines with coil suspension is 210km/h (130mph). \*\*Weights reflect vehicles to standard specifications. Optional extras increase weight. <sup>†</sup>Includes a 75kg driver, full fluids and 90% fuel. <sup>††</sup>Includes full fluids and 90% fuel.

## ENGINES

ENGINE	DIESEL	
	D 300	D 200
Transmission	Automatic	Automatic
Driveline	All Wheel Drive (AWD)	All Wheel Drive (AWD)
Maximum power (PS / kW / rpm)	300 / 221 / 4.000	199 / 146 / 3.750-4.000
Maximum torque (Nm / rpm)	650 / 1.500-2.500	430 / 1.750-2.500
Capacity (cc)	2.997	1.998
No. of cylinders / Valves per cylinder	6 / 4	4 / 4
Cylinder layout	Inline	Inline
Bore / stroke (mm)	83 / 92,3	83 / 92,3
Compression ratio (:1)	15,5	16,5
<b>FUEL ECONOMY*</b>		
Consumption	Combined l/100km	7,3 5,9
CO <sub>2</sub> Emissions	Combined (g/km)	193 156
Fuel tank capacity - useable litres		68 62
Selective Catalytic Reduction Filter / Gasoline Particulate Filter (SCRF / GPF)	■	■

■ Standard.

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## ENGINES

	DIESEL	
	D 300	D 200
<b>PERFORMANCE</b>		
Acceleration (secs) 0-100 km/h (0-60 mph)	6,5 (6,1)	8,3 (7,8)
Maximum speed km/h (mph)	230 (143)*	210 (130)
<b>Brakes</b>		
Front type	Single piston sliding caliper, vented disc	Single piston sliding caliper, vented disc
Front diameter (mm)	370	350
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
<b>Weights (kg)**</b>		
Unladen weight (EU) <sup>†</sup>	2.068	1.946
Unladen weight (DIN) <sup>††</sup>	1.993	1.871
Gross Vehicle Weight (GVW)	2.710	2.590
<b>Towing (kg)</b>		
Unbraked trailer	750	750
Maximum towing	2.500	2.400
Maximum coupling point (nose weight)	100	100
Maximum vehicle and trailer combination	5.210	4.990
<b>Roof carrying (kg)</b>		
Maximum roof load (including cross bars)	79	79

\*Top speed on engines with coil suspension is 210km/h (130mph). \*\*Weights reflect vehicles to standard specifications. Optional extras increase weight. <sup>†</sup>Includes a 75kg driver, full fluids and 90% fuel. <sup>††</sup>Includes full fluids and 90% fuel.

## DIMENSIONS AND CAPABILITIES

### DIMENSIONS

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

Overall length 4.797mm

Width 2.041mm mirrors folded  
Width 2.147mm mirrors out

Front wheel track 1.643,6mm (Air), 1.640,2mm (Coil)  
Rear wheel track 1.662,8mm (Air), 1.657,2mm (Coil)

Wheelbase 2.874mm

### 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\*

### 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

### OBSTACLE CLEARANCE

Off-road height (Air) 252mm\* (Coil) 214mm  
Standard ride height (Air) 205mm\* (Coil) 214mm

### APPROACH AND DEPARTURE CLEARANCE

#### Standard

Approach Angle - (Air) 22,5° (Coil) 23,6°  
Departure Angle - (Air) 24,8° (Coil) 25,0°  
Ramp Angle - (Air) 18,3° (Coil) 19,1°

#### Off-road

Approach Angle - (Air) 28,9° (Coil) 26,2°  
Departure Angle - (Air) 29,0° (Coil) 26,7°  
Ramp Angle - (Air) 23,8° (Coil) 21,0°

### LOADSPACE CAPACITY

Height 687mm  
Width 1.245mm  
Loadspace width between arches 1.050mm

Length behind first row 1.791mm

Maximum loadspace volume behind first row  
Dry\*\* 1.374 litres  
Wet† 1.811 litres

Length behind second row 988mm

Maximum loadspace volume behind second row  
Dry\*\* 568 litres  
Wet† 748 litres



Weights and dimensions shown apply to standard-specification, unladen vehicles, which may be affected by optional features and equipment.

\*Electronic air suspension only. \*\*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.

Vehicle shown is Autobiography with optional Black contrast roof and 22" Style 1075, 10 Spoke, Gloss Dark Grey with contrast Diamond Turned finish.

Figures may vary for P400e models.