

2022 MODEL YEAR RANGE ROVER VELAR TECHNICAL SPECIFICATIONS	D200 MHEV AWD Auto (Diesel)	D200 AWD Auto (Diesel)	D300 MHEV AWD Auto (Diesel)	D300 AWD Auto (Diesel)	P250 AWD Auto (Petrol)	P340 MHEV AWD Auto (Petrol)	P400 MHEV AWD Auto (Petrol)	P400e PHEV AWD Auto (Petrol)
Engine type	Inline 4-cylinder diesel, 16 valve, electronic control, direct injection	Inline 4-cylinder diesel, 16 valve, electronic control, direct injection	Inline 6-cylinder diesel, 24 valve, electronic control, direct injection	Inline 6-cylinder diesel, 24 valve, electronic control, direct injection	Inline 4-cylinder petrol, 16 valve, electronic control, direct injection	Inline 6-cylinder petrol, 24 valve, electronic control, direct injection	Inline 6-cylinder petrol, 24 valve, electronic control, direct injection	Inline 4-cylinder, 16 valve, electronic control, direct injection
Displacement (cc)	1,997	1,997	2,996	2,996	1,997	2,995	2,995	1,997
Bore / Stroke (mm)	83.0 x 92.31	83.0 x 92.31	83.0 x 92.31	83.0 x 92.31	83.0 x 92.29	83.0 x 92.29	83.0 x 92.29	83.0 x 92.29
Compression ratio	16.5 ± 0.5:1	16.5 ± 0.5:1	15.5:1	15.5:1	10.5 ± 0.5:1	10.5:1	10.5:1	9.5 ± 0.5:1
Electric motor type	Claw pole motor; 48v Belt-integrated Starter Generator (BiSG)	Claw pole motor; 48v Belt-integrated Starter Generator (BiSG)	Claw pole motor; 48v Belt-integrated Starter Generator (BiSG)	Claw pole motor; 48v Belt-integrated Starter Generator (BiSG)	n/a	Claw pole motor; 48v Belt-integrated Starter Generator (BiSG)	Claw pole motor; 48v Belt-integrated Starter Generator (BiSG)	Belt-integrated Starter Generator (BiSG) inverter and Electric Drive Unit (EDU)
Max Power	204PS (150.1kW) @ 4,250rpm	204PS (150.1kW) @ 4,250rpm	300PS (221kW) @ 4,000rpm	300PS (221kW) @ 4,000rpm	250PS (184kW) @ 5,000rpm	340PS (250kW) @ 5,500-6,500rpm	400PS (294kW) @ 5,500-6,500rpm	404PS (297kW) @ 5,500rpm
Max Torque	430Nm (317lb ft) @ 1,750-2,500rpm	430Nm (317lb ft) @ 1,750-2,500rpm	650Nm (479.4lb ft) @ 1,500-2,500rpm	650Nm (479.4lb ft) @ 1,500-2,500rpm	365Nm (269lb ft) @ 1,300-4,500rpm	480Nm (354lb ft) @ 1,500-4,500rpm	550Nm (405.7lb ft) @ 2,000-5,000rpm	640Nm (472lb ft) @ 1,500-4,400rpm
Euro standard	EU6d	EU5	EU6d	EU5	EU6	EU6d	EU6d	EU6d
Transmission	8-speed automatic	8-speed automatic	8-speed automatic	8-speed automatic	8-speed automatic	8-speed automatic	8-speed automatic	8-speed automatic
1st	5.250	5.250	5.500	5.500	4.714	5.500	5.500	4.714
2nd	3.360	3.360	3.520	3.520	3.143	3.520	3.520	3.143
3rd	2.172	2.172	2.200	2.200	2.106	2.200	2.200	2.106
4th	1.720	1.720	1.720	1.720	1.667	1.720	1.720	1.667
5th	1.316	1.316	1.317	1.317	1.285	1.317	1.317	1.285
6th	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7th	0.822	0.822	0.823	0.823	0.839	0.823	0.823	0.839
8th	0.640	0.640	0.640	0.667	0.667	0.640	0.640	0.667
Reverse (-)	-3.712	-3.712	-3.993	-3.993	-3.295	-3.993	-3.993	-3.317
Final drive ratio	3.23	3.23	3.23	3.23	3.23	3.23	3.23	3.23
Fuel tank capacity (usable) (litres)	60	60	66	66	82	82	82	69
AdBlue tank capacity (litres)	17	17	17	17	n/a	n/a	n/a	n/a
Front brakes diameter (ventilated discs) (mm)	350	350	370	370	350	370	370	370
Rear brakes diameter (ventilated discs) (mm)	325	325	325	325	325	325	325	325
All-wheel drive system	Torque on-demand all-wheel drive with Intelligent Driveline Dynamics & Terrain Response, optional locking rear axle differential							
Steering	Electric Power Assisted Steering (EPAS) rack and pinion; variable ratio							
Front suspension	Double wishbone suspension, air or coil springs, continuously-variable dampers, passive anti-roll bar							
Rear suspension	Integral Link suspension with air or coil springs, continuously-variable dampers, passive anti-roll bar							
EXTERIOR DIMENSIONS								
Overall length (mm)	4,797							
Overall height - maximum (mm)	1,683 (coil) / 1,678 (air)							
Overall width (mirrors folded) (mm)	2,041							
Overall width (mirrors unfolded) (mm)	2,147							
Wheelbase (mm)	2,874							
Front overhang (mm)	834							
Rear overhang (mm)	1,089							
Front track (mm)	1,640 (coil suspension) / 1,644 (air suspension)							
Rear track (mm)	1,657 (coil suspension) / 1,663 (air suspension)							
Turning circle - kerb-to-kerb (m)	11.94							
Turning circle - lock-to-lock	2.52							
Drag coefficient - from (Cd)	0.32	0.32	0.33	0.33	0.32	0.33	0.33	0.33
INTERIOR DIMENSIONS								
Headroom (with panoramic roof) (mm)	970 (front) / 966 (rear)							
Legroom (mm)	1,023 (front) / 944 (rear)							
Luggage capacity (rear seats upright) (litres)*	748 (max volume, non PHEV models) / 625 (PHEV)							
Luggage capacity (rear seats forward) (litres)*	1811 (max volume, non PHEV models) / 1,693 (PHEV)							
Loadspace max width (mm)	1,245							
ALL-TERRAIN CAPABILITY (i) Off-road height / (ii) Standard ride height								
Approach angle (deg)	(i) 25.0 (coil suspension) / 27.5 (air suspension) / (ii) 23.6 (coil suspension) / 22.5 (air suspension)							
Departure angle (deg)	(i) 27.0 (coil suspension) / 29.5 (air suspension) / (ii) 25.0 (coil suspension) / 24.8 (air suspension)							
Ramp breakover angle (deg)	(i) 22.0 (coil suspension) / 23.5 (air suspension) / (ii) 18.3 (air suspension) / (ii) 19.1 (coil suspension)							
Maximum wading depth (mm)	530 (coil suspension) / 580 (air suspension)							
Ground clearance (mm)	(i) 213 (coil suspension) / 251 (air suspension) / (ii) 214 (coil suspension) / 205 (air suspension)							
WEIGHT / TOWING								
Weight unladen DIN (kg)	1,928	1,871	2,049	1,993	1,875	2,010	2,010	2,158
Weight unladen EU (kg)	2,003	1,946	2,124	2,068	1,950	TBC	2,085	2,233
Maximum towable mass (braked) (kg)	2,400	2,400	2,500	2,500	2,400	TBC	2,500	2,000
Maximum towable mass (unbraked) (kg)	750	750	750	750	750	TBC	750	750
PERFORMANCE								
0-60mph (0-96km/h) (secs)	7.7	7.7	6.1	6.1	7.1	6.0	5.2	5.1
0-62mph (0-100km/h) (secs)	8.2	8.2	6.5	6.5	7.5	6.3	5.5	5.4
50-75mph (80-120km/h) (secs)	6.0	6.0	4.5	4.5	5.2	4.1	3.3	3.4
Top speed mph (km/h) Δ	130 (210)	131 (210)	143 (230)	144 (230)	135 (217)	149 (240)	155 (250)	130 (209)
Fuel consumption NEDC combined (Class A Tyre) l/100km (mpg)	5.3 (53.3)	TBC	6.9 (40.7)	TBC	7.7 (36.7)	TBC	8.9 (31.7)	2.3 (122.8)
CO2 emissions NEDC combined (Class A Tyre) (g/km)	139	TBC	183	TBC	174	TBC	202	52
Fuel consumption WLTP combined (TEL-TEH) l/100km (mpg)‡	6.3 (44.8) - 7.0 (40.6)	TBC	7.4 (38.2) - 8.0 (35.5)	TBC	9.4 (30.2) - 10.4 (27.1)	TBC	9.8 (28.8) - 10.5 (26.8)	2.2 (128.4) - 2.6 (109.9)
CO2 emissions WLTP combined (TEL-TEH) (g/km)‡	165 - 183	TBC	194 - 209	TBC	211 - 235	TBC	221 - 238	49 - 58
EU - WLTP Electric-Only Range Combined eAER TEL miles (km)¹	n/a	n/a	n/a	n/a	n/a	n/a	n/a	33 (53)

1) ¹WLTP is the official EU test used to calculate standardised fuel consumption and CO₂ figures for passenger cars. It measures fuel, energy consumption, range and emissions. 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, fuel economy, energy consumption and range figures may vary according to factors such as driving styles, environmental conditions, load, wheel fitment and accessories fitted

2) ²*Volume as measured by simulating the loadspace filled with liquid. Volume measured up to the headliner. Boot configuration and total loadspace will vary depending on model, engine and if full size spare or space saver spare wheel is fitted

3) ³ΔTop speed on D300, P340 and P400 engines with coil suspension is 210kph/130mph

4) Please check with your local market for features, model range and engine availability as they vary by market 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

5) 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