

RANGE ROVER VELAR 20MY TECHNICAL DATA

ENGINE	Ingenium D180 AWD Automatic	Ingenium D240 AWD Automatic	D275 AWD Automatic	D300 AWD Automatic	Ingenium P250 AWD Automatic	Ingenium P300 AWD Automatic	P340 AWD Automatic	P380 AWD Automatic	SVAutobiography Dynamic Edition 550PS AWD Automatic
Engine type	Inline-4 diesel 16 valve; DOHC, variable intake cam timing, variable geometry turbo	Inline-4 diesel 16 valve; DOHC, variable intake cam timing, series-sequential turbos	V6 diesel 24 valve; DOHC, parallel-sequential turbos	V6 diesel 24 valve; DOHC, parallel-sequential turbos	Inline-4 petrol 16 valve; DOHC, variable intake and exhaust cam timing; variable intake valve lift, twin-scroll turbo	Inline-4 petrol 16 valve; DOHC, variable intake and exhaust cam timing; variable intake valve lift, twin-scroll turbo	V6 petrol 24 valve; DOHC, variable intake and exhaust cam timing, Twin Vortex supercharger	V6 petrol 24 valve; DOHC, variable intake and exhaust cam timing, Twin Vortex supercharger	V8 petrol 32 valve; DOHC, variable intake and exhaust cam timing, Twin Vortex supercharger
Displacement (cc)	1,999	1,999	2,993	2,993	1,997	1,997	2,995	2,995	4,999
Bore / Stroke (mm)	83.0 x 92.4	83.0 x 92.4	84.0 x 90.0	84.0 x 90.0	83.0 x 92.3	83.0 x 92.3	84.5 x 89.0	84.5 x 89.0	92.5 x 93.0
Compression ratio	15.5:1	15.5:1	16.1:1	16.1:1	10.5:1	9.5:1	10.5:1	10.5:1	9.5:1
Max Power	180PS (132kW) @ 4000rpm	240PS (177kW) @ 4000rpm	275PS (202kW) @ 3,500 - 4,250	300PS (221kW) @ 4,000rpm	250PS (184kW) @ 5,500rpm	300PS (221kW) @ 5,500rpm	340PS (250kW) @ 6,500rpm	380PS (280kW) @ 6,500rpm	550PS (405kW) @ 6,000 - 6,500rpm
Max Torque	430Nm (317lb ft) @ 1500rpm	500Nm (368lb ft) @ 1500rpm	625Nm (461lb ft) @ 1,500 - 2,500	700Nm (516lb ft) @ 1,500 - 1,750rpm	365Nm (269lb ft) @ 1,300-4,500rpm	400Nm (295lb ft) @ 1,500-4,500rpm	450Nm (332lb ft) @ 4,500	450Nm (332lb ft) @ 4,500rpm	680Nm (502lb ft) @ 2,500 - 5,500rpm
Euro standard	EU6	EU6	EU6	EU6	EU6	EU6	EU6	EU6	EU6
Transmission	ZF (8HP45) 8-speed automatic	ZF (8HP45) 8-speed automatic	ZF (8HP70) 8-speed automatic	ZF (8HP70) 8-speed automatic	ZF (8HP45) 8-speed automatic	ZF (8HP45) 8-speed automatic	ZF (8HP70) 8-speed automatic	ZF (8HP70) 8-speed automatic	ZF (8HP70) 8-speed automatic
1st	4,714	4,714	4,714	4,714	4,714	4,714	4,714	4,714	4,714
2nd	3,143	3,143	3,143	3,143	3,143	3,143	3,143	3,143	3,143
3rd	2,106	2,106	2,106	2,106	2,106	2,106	2,106	2,106	2,106
4th	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667	1,667
5th	1,285	1,285	1,285	1,285	1,285	1,285	1,285	1,285	1,285
6th	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000
7th	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839	0.839
8th	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667	0.667
Reverse (-)	3.295	3.295	3.317	3.317	3.295	3.295	3.317	3.317	3.317
Final drive ratio	3.23	3.23	3.23	3.23	3.73	3.73	3.73	3.73	3.23
Fuel tank capacity (usable) (litres)	60	60	66	66	82	82	82	82	82
AdBlue tank capacity (litres)	17	17	17	17	-	-	-	-	-
Front brakes (ventilated discs) (mm)	325	325	350	350	325	350	350	350	395
Rear brakes (ventilated discs) (mm)	325	325	325	325	325	325	325	325	396
Steering	Electric Power Assisted Steering (EPAS) rack and pinion; variable ratio								Electric Power Assisted Steering (EPAS) rack and pinion; variable ratio
All-wheel drive system	Torque on-demand all-wheel drive with Intelligent Driveline Dynamics & Terrain Response, optional locking rear axle differential								Torque on-demand all-wheel drive with Intelligent Driveline Dynamics & Terrain Response, sports tuned Electronic Differential
Front suspension	Double wishbone suspension, air or coil springs, continuously-variable dampers, passive anti-roll bar								Double wishbone suspension, air 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								Integral Link suspension with air springs, continuously-variable dampers, passive anti-roll bar
EXTERIOR DIMENSIONS									
Overall length (mm)	4,797								4,806
Overall height (with antennae) (mm)	1685 (coil) / 1677 (air)								1,676
Overall width (mirrors folded) (mm)	2,041								2,041
Overall width (mirrors unfolded) (mm)	2,145								2,145
Wheelbase (mm)	2,874								2,874
Front overhang (mm)	834								838
Rear overhang (mm)	1,089								1,094
Front track (mm)	1,640 (coil) 1,644 (air)								1,644 (air)
Rear track (mm)	1,657 (coil) 1,663 (air)								1,663 (air)
Turning circle - kerb-to-kerb (m)	11.6								11.6
Turning circle - lock-to-lock	2.52								2.52
Drag coefficient (Cd)	0.32	0.34	0.34	0.34	0.34	0.35	0.36	0.36	0.35
INTERIOR DIMENSIONS									
Headroom (with panoramic roof) (mm)	970mm (front) / 966mm (rear)								970mm (front) / 966mm (rear)
Legroom (mm)	1,023mm (front) / 944mm (rear)								1,023mm (front) / 944mm (rear)
Luggage capacity (rear seats upright) (litres)	673 (to parcel shelf) / 834 (to roofline)								673 (to parcel shelf) / 834 (to roofline)
Luggage capacity (rear seats forward) (litres)	1,705								1,705
Loadspace max width (mm)	1,247								1,247
ALL-TERRAIN CAPABILITY (i) Off-road height / (ii) Standard ride height									
Approach angle (deg)	(i) 27.0 (air) / (ii) 21.2								(i) 24.0 / (ii) 22.7
Departure angle (deg)	(i) 29.0 (air) / (ii) 20.6								(i) 27.5 / (ii) 24.7
Ramp angle (deg)	(i) 22.0 (air) / (ii) 15.6								(i) 21.8 / (ii) 20.2
Maximum wading depth (mm)	600 (coil suspension) / 650 (air suspension)								650 (air suspension)
Ground clearance (mm)	159 (coil suspension) / 205 (air suspension)								(i) 251 / (ii) 205
WEIGHT									
Weight from (EU unladen) (kg)	1,899	1,911	2,029	2,029	1,874	1,884	1,954	1,954	2,160
Towing - unbraked trailer (kg)					750				750
Maximum towing (kg)	2,400	2,500	2,500	2,500	2,400	2,400	2,500	2,500	2,500
PERFORMANCE									
0-60mph (0-96km/h) (secs)	8.5	7	6.7	6.3	6.7	5.9	6.1	5.3	4.3
0-62mph (0-100km/h) (secs)	8.9	7.4	7	6.7	7.1	6.2	6.4	5.7	4.5
50-75mph (80-120km/h) (secs)	6.9	5.3	5.7	5.1	5.0	4.3	4.0	3.6	2.6
Top speed mph (km/h)	120 (193)	135 (217)	135 (218)	137 (220)* / 150 (241)**	135 (217)	137 (220)* / 145 (234)**	137 (220)* / 145 (233) **	137 (220)* / 155 (250)**	170 (274)
NEDC2 Fuel Consumption Combined mpg (l/100km) [†]	Up to 48.7 (From 5.8)	Up to 45.6 (From 6.2)	Up to 44.1 (From 6.4)	Up to 44.1 (From 6.4)	Up to 37.2 (From 7.6)	Up to 3.3 (From 8.0)	n/a	n/a	Up to 23.9 (From 11.8)
NEDC2 CO ₂ Emissions Combined (g/km) [†]	From 152	From 165	From 169	From 169	From 173	From 182	n/a	n/a	From 270

1) ¹ 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 wheel fitment and optional extras 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.

2) View WLTP figures: landover.com/market-selector

3) * 18-inch wheels only ** 19-inch wheels and above

4) Figures are manufacturer's estimates

5) Please check your local market for model range and engine availability