



ŠKODA OCTAVIA

Petrol engines

Technical specifications	1.2 TSI/63 kW	1.0 TSI/85 kW	1.0 TSI/85 kW (A)	1.4 TSI/110 kW	1.4 TSI/110 kW (A)	1.8 TSI/132 kW	1.8 TSI/132 kW (A)
Engine							
Engine type	turbocharged petrol engine, in-line, liquid cooling system, DOHC, transverse in front						
Cylinders	4	3		4			
Displacement [cm ³]	1197	999		1395		1798	
Bore × Stroke [mm × mm]	71.0 × 75.6	74.5 × 76.4		74.5 × 80.0		82.5 × 84.2	
Max. engine performance/revs [kW at rpm]	63/4300–5300	85/5000–5500		110/5000–6000		132/5100–6200	
Max. torque/revs [Nm at rpm]	160/1400–3500	200/2000–3500		250/1500–3500		250/1250–5000	
Compression ratio	10.5 : 1					9.6 : 1	
Emission limit	EU 6						
Fuel injection system	electronically controlled direct injection					electronically controlled combined (direct and port) injection	
Ignition	control unit controlled electronic ignition system						
Lubrication	force-feed lubrication with through-flow oil filter						
Fuel quality	unleaded petrol min. RON 95					unleaded petrol min. RON 95 (91)*	
Transmission							
Wheel drive	front wheel drive						
Clutch	hydraulic single dry clutch disc with membrane spring, asbestos free		two coaxial dry multiple-disk clutch, electro-hydraulically operated	hydraulic single dry clutch disc with membrane spring, asbestos free	two coaxial dry multiple-disk clutch, electro-hydraulically operated	hydraulic single dry clutch disc with membrane spring, asbestos free	two coaxial dry multiple-disk clutch, electro-hydraulically operated
Transmission	manual 5-speed fully synchronized	manual 6-speed fully synchronized	automatic 7-speed, DSG, with Tiptronic manual gear changing	manual 6-speed fully synchronized	automatic 7-speed, DSG, with Tiptronic manual gear changing	manual 6-speed fully synchronized	automatic 7-speed, DSG, with Tiptronic manual gear changing
Transmission ratio	I-3.77 II-1.95 III-1.28 IV-0.88 V-0.67 R-3.18	I-3.77 II-1.95 III-1.28 IV-0.97 V-0.78 VI-0.65 R-3.18	I-3.76 II-2.27 III-1.53 IV-1.12 V-1.18 VI-0.95 VII-0.80 R-4.17	I-3.78 II-2.12 III-1.36 IV-1.03 V-0.86 VI-0.73 R-3.60	I-3.50 II-2.09 III-1.34 IV-0.93 V-0.97 VI-0.78 VII-0.65 R-3.72	I-3.78 II-2.12 III-1.36 IV-1.03 V-0.86 VI-0.73 R-3.60	I-3.76 II-2.27 III-1.53 IV-1.13 V-1.18 VI-0.96 VII-0.80 R-4.17
Axle ratio	3.930	4.056	4.438/3.227 R-4.176	3.647	4.800/3.429 R-4.500	3.647	4.438/3.227 R-4.176



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Chassis								
Front axle		MacPherson suspension with lower triangular links and torsion stabiliser						
Rear axle		compound link crank-axle					multi-element axle, with one longitudinal and three transverse links, with torsion stabiliser	
Springs		telescopic shock absorbers with coil springs, in the rear outside the springs						
Braking system		hydraulic dual-diagonal circuit braking system vacuum assisted with Dual Rate system						
Brake – front		disc brakes with inner cooling, with single/piston floating caliper						
Brake – rear		disc brakes						
Parking brake		manual, on rear wheels						
Steering system		direct rack and pinion steering with electro mechanic power steering						
Wheels		6J × 15"			6.5J × 16"			
Tyres		195/65 R15			205/55 R16			
Body								
Body		5 door, two compartment, 5 seater						
Drag coefficient c_w		0.292	0.280		0.298	0.294	0.302	
Outside dimensions								
Length	[mm]	4670						
Width	[mm]	1814						
Height (at kerb weight)	[mm]	1461						
Wheel base	[mm]	2686					2680	
Clearance (at kerb weight)	[mm]	141						
Height of the loading sill (at kerb weight)	[mm]	699						
Track front	[mm]	1549			1543			
Track rear	[mm]	1540			1534		1542	



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Inside dimensions									
Width of front seats	[mm]	1454							
Width of rear seats	[mm]	1449							
Headroom in front seats	[mm]	983							
Headroom in rear seats	[mm]	980							
Storage capacity	[l]	590							
Storage capacity with rear seatback folded down	[l]	1580							
Weights									
Kerb weight – incl. driver**	[kg]	1225	1225	1247	1255	1269	1320	1335	
Payload – incl. driver**	[kg]	625					585		
Total weight	[kg]	1775	1775	1797	1805	1819	1830	1845	
Max. roof load	[kg]	75							
Max. trailer load w/o brakes	[kg]	610		620		630	650	660	
Max. trailer load with brakes – 12%	[kg]	1100	1300		1500		1600		
Max. trailer load with brakes – 8%	[kg]	1300	1500		1800				
Max. nose weight	[kg]	75							
Liquids									
Tank capacity	[l]	50							
Performance/consumption									
Maximum speed	[km/h]	181	203	202	219	219	231	231	
Acceleration 0–100 km/h	[s]	12.0	9.9	10.0	8.1	8.2	7.3	7.4	
Fuel consumption (1999/100/EC)									
Consumption – urban	[l/100 km]	6.0	5.9	5.6	6.7	6.0	7.6	7.1	
Consumption – extra-urban	[l/100 km]	4.1	4.2	4.2	4.3	4.2	5.2	5.0	
Consumption – combined	[l/100 km]	4.8	4.8	4.7	5.2	4.9	6.1	5.8	
CO ₂ emissions	[g/km]	113	109	106	120	113	139	133	
Turning circle diameter	[m]	10.4							

* Using low-octane fuel may affect engine performance.

** Figures apply to basic version, weight of driver 75 kg.