

# Technical data engine

November 2018

## Renault TALISMAN

	TALISMAN					
Engine	TCe 225 EDC FAP	TCe 160 EDC FAP	Blue dCi 120	Blue dCi 150	Blue dCi 160 EDC	Blue dCi 200 EDC
Fuel	Unleaded or E10 Petrol	Unleaded or E10 Petrol	Diesel	Diesel	Diesel	Diesel
Gearbox Type	BVA 7	BVA 7	BVM 6	BVM 6	BVA 6	BVA 6
Emissions control standard	Euro6	Euro6	Euro6	Euro6	Euro6	Euro6
Test procedures	WLTP	WLTP	WLTP	WLTP	WLTP	WLTP
Cubic capacity (cm <sup>3</sup> )	1,798	1,330	1,749	1,749	1,997	1,997
Bore x stroke (mm)	79,7 * 90,1	72,2 * 81,2	80 * 87	80 * 87	85*88	85*88
Number of cylinders	4	4	4	4	4	4
Volumetric report	9	NC	15.1	15.1	15.1	15.1
Number of valves	16	16	16	16	16	16
Maximum power kW EEC (HP)	165 (225)	120 (160)	88 (120)	110 (150)	118 (160)	147 (200)
At (rpm)	5500	5500	3500	3500	3750	3500
Maximum torque Nm EEC	300	270	300	340	360	400
At (rpm)	2000	1800	1750	1750	1500	1750
Injection Type	Direct				Common Rail 2500bars	Common Rail 2500bars
Air admission	Turbocharger	Turbocharger	Single turbocharger with electrical actuator for variable nozzle turbine	Single turbocharger with electrical actuator for variable nozzle turbine	Single turbocharger with electrical actuator for variable nozzle turbine	Single turbocharger with electrical actuator for variable nozzle turbine
Stop & Start	Yes					
Catalyst	Série	Série	Cata HC-CO	Cata HC-CO	Cata HC-CO	Cata HC-CO
Post-processing	FAP	FAP	SCR	SCR	SCR	SCR
<b>Gearbox</b>						
Number of gears	7	7	6	6	6	6
1st gear ratio (speed at 1,000 rpm)	6.65	NC	8.22	8.22	NC	NC
2nd gear ratio (speed at 1,000 rpm)	10.51	NC	15.27	15.27	NC	NC
3rd gear ratio (speed at 1,000 rpm)	16.42	NC	23.17	23.17	NC	NC
4th gear ratio (speed at 1,000 rpm)	23.49	NC	32.95	32.95	NC	NC
5th gear ratio (speed at 1,000 rpm)	30.76	NC	42.52	42.52	NC	NC
6th gear ratio (speed at 1,000 rpm)	38.46	NC	53.96	53.96	NC	NC
7th gear ratio (speed at 1,000 rpm)	46.48	NC	-	-	NC	NC
<b>Direction</b>						
Direction	Electrical power steering					
Turning circle, kerb to kerb 2WS / 4WS	11,6	11,6	11,6	11,6	11,6	11,6
Steering wheel turns (lock to lock) 2WS / 4WS	2,8	2,8	2,8	2,8	2,8	2,8
<b>Axles</b>						
Front axles type	Pseudo Mac Pherson					
Rear axles type	Semi-rigid axle					
<b>Wheels and Tyres</b>						
Dimensions	17-inchwheels/225/55R17 101Wtyres					
<b>Braking</b>						
Diameter / thickness of vented front discs (mm)	320 / 28	296 / 26	296 / 26	296 / 26	296 / 26	296 / 26
Diameter / thickness of solid rear discs (mm)	290 / 11	290 / 11	290 / 11	290 / 11	290 / 11	290 / 11
<b>Performances</b>						
Aerodynamics CdA	0,682	NC	NC	0,682	NC	NC
Top speed (kph)	240	NC	NC	210	NC	NC
400 m standing start (s)	15,5	NC	NC	17,4	NC	NC
1,000 m standing start (s)	27,6	NC	NC	31,6	NC	NC
0 - 100 kph (s)	7,4	NC	NC	10,3	NC	NC
80-120 kph in 4th, 5th gear ratio (or Drive)	5,4	NC	NC	7,4	NC	NC
<b>Fuel Consumption and Emissions</b>						
CO2 (g/km)	164	NC	122	122	NC	NC
Urban Cycle (l/100km)	9,9	NC	5,4	5,4	NC	NC
Extra-urban cycle (l/100km)	5,6	NC	4,2	4,2	NC	NC
Combined Cycle (l/100 km)	7,2	NC	4,6	4,6	NC	NC
<b>Capacity</b>						
Fuel tank capacity (litres)	51	51	51	51	51	51
<b>Weights (kg)</b>						
Kerb weight	1,487	NC	1,555	1,555	NC	NC
Gross vehicle weight (GVW) 5 and 7 seats	2,064	NC	2,157	2,157	NC	NC
Gross train weight (GTW)	3,564	NC	3,957	3,957	NC	NC
Payload (at mini level)	2,000	NC	238	238	NC	NC
Maximum braked trailer weight	1,500	NC	1,800	1,800	NC	NC
Maximum unbraked trailer weight	750	NC	750	750	NC	NC

# Renault TALISMAN ESTATE

	TALISMAN ESTATE					
Engine	TCe 225 EDC FAP	TCe 160 EDC FAP	Blue dCi 120	Blue dCi 150	Blue dCi 160 EDC	Blue dCi 200 EDC
Fuel	Unleaded or E10 Petrol	Unleaded or E10 Petrol	Diesel	Diesel	Diesel	Diesel
Gearbox Type	BVA 7		BVM 6	BVM 6	BVA 6	BVA 6
Emissions control standard	Euro6	Euro6	Euro6	Euro6	Euro6	Euro6
Test procedures	WLTP		WLTP	WLTP	WLTP	WLTP
Cubic capacity (cm3)	1,798	1,330	1,749	1,749	1,997	1,997
Bore x stroke (mm)	79,7 * 90,1	72,2 * 81,2	80 * 87	80 * 87	85*88	85*88
Number of cylinders	4	4	4	4	4	4
Volumetric report	9		15.1	15.1	15.1	15.1
Number of valves	16	16	16	16	16	16
Maximum power kW EEC (HP)	165 (225)	120 (160)	88 (120)	110 (150)	118 (160)	147 (200)
At (rpm)	5500	5500	3500	3500	3750	3500
Maximum torque Nm EEC	300	270	300	340	360	400
At (rpm)	2000	1800	1750	1750	1500	1750
Injection Type	Direct				Common Rail 2500bars	Common Rail 2500bars
Air admission	Turbocharger	Turbocharger	Single turbocharger with electrical actuator for variable nozzle turbine	Single turbocharger with electrical actuator for variable nozzle turbine	Single turbocharger with electrical actuator for variable nozzle turbine	Single turbocharger with electrical actuator for variable nozzle turbine
Stop & Start	Yes					
Catalyst	Série	Série	Cata HC-CO	Cata HC-CO	Cata HC-CO	Cata HC-CO
Post-processing	FAP	FAP	SCR	SCR	SCR	SCR
<b>Gearbox</b>						
Number of gears	7	6	6	6	6	6
1st gear ratio (speed at 1,000 rpm)	6.65	NC	8.22	8.22	NC	NC
2nd gear ratio (speed at 1,000 rpm)	10.51	NC	15.27	15.27	NC	NC
3rd gear ratio (speed at 1,000 rpm)	16.42	NC	23.17	23.17	NC	NC
4th gear ratio (speed at 1,000 rpm)	23.49	NC	32.95	32.95	NC	NC
5th gear ratio (speed at 1,000 rpm)	30.76	NC	42.52	42.52	NC	NC
6th gear ratio (speed at 1,000 rpm)	38.46	NC	53.96	53.96	NC	NC
7th gear ratio (speed at 1,000 rpm)	46.48	NC	-	-	NC	NC
<b>Direction</b>						
Direction	Electrical power steering					
Turning circle, kerb to kerb 2WS / 4WS	11,6	11,6	11,6	11,6	11,6	11,6
Steering wheel turns (lock to lock) 2WS / 4WS	2,8	2,8	2,8	2,8	2,8	2,8
<b>Axles</b>						
Front axles type	Pseudo Mac Pherson					
Rear axles type	Semi-rigid axle					
<b>Wheels and Tyres</b>						
Dimensions	17-inchwheels/225/55R17 101Wtyres					
<b>Braking</b>						
Diameter / thickness of vented front discs (mm)	320 / 28	296 / 26	296 / 26	296 / 26	296 / 26	296 / 26
Diameter / thickness of solid rear discs (mm)	290 / 11	290 / 11	290 / 11	290 / 11	290 / 11	290 / 11
<b>Performances</b>						
Aerodynamics CdA	0,752	NC	NC	0,682	NC	NC
Top speed (kph)	234	NC	NC	210	NC	NC
400 m standing start (s)	15,7	NC	NC	17,4	NC	NC
1,000 m standing start (s)	27,8	NC	NC	31,6	NC	NC
0 - 100 kph (s)	7,5	NC	NC	10,3	NC	NC
80-120 kph in 4th, 5th gear ratio (or Drive)	5,5	NC	NC	7,4	NC	NC
<b>Fuel Consumption and Emissions</b>						
CO2 (g/km)	164	NC	122	122	NC	NC
Urban Cycle (l/100km)	9,9	NC	5,4	5,4	NC	NC
Extra-urban cycle (l/100km)	5,6	NC	4,2	4,2	NC	NC
Combined Cycle (l/100 km)	7,2	NC	4,6	4,6	NC	NC
<b>Capacity</b>						
Fuel tank capacity (litres)	51	51	51	51	51	51
<b>Weights (kg)</b>						
Kerb weight	1,514	NC	1,581	1,581	NC	NC
Gross vehicle weight (GVW) 5 and 7 seats	2,105	NC	2,198	2,198	NC	NC
Gross train weight (GTW)	3,605	NC	3,998	3,998	NC	NC
Payload (at mini level)	2,000	NC	238	238	NC	NC
Maximum braked trailer weight	1,500	NC	1,800	1,800	NC	NC
Maximum unbraked trailer weight	750	NC	750	750	NC	NC

# Renault ESPACE

	ESPACE		
Engine	TCe 225 EDC FAP	Blue dCi 160 EDC	Blue dCi 200 EDC
Fuel	Unleaded or E10 petrol	Diesel	Diesel
Gearbox Type	BVA 7	BVA 6	BVA 6
Emissions control standard	Euro6	Euro6	Euro6
Test procedures	WLTP	WLTP	WLTP
Cubic capacity (cm3)	1,798	1,997	1,997
Bore x stroke (mm)	79.7 x 90.1	85*88	85*88
Number of cylinders	4	4	4
Volumetric report	9	15.1	15.1
Number of valves	16	16	16
Maximum power kW EEC (HP)	165 (225)	118 (160)	147 (200)
At (rpm)	5,500	3,750	3,500
Maximum torque Nm EEC	300	360	400
At (rpm)	2,000	1,500	1,750
Injection Type	Direct	Common Rail 2500bars	Common Rail 2500bars
Air admission	Single turbocharger with fixed geometry	Single turbocharger with electrical actuator for variable nozzle turbine	Single turbocharger with electrical actuator for variable nozzle turbine
Stop & Start	Yes		
Catalyst	Cata HC-CO-NOX	Cata HC-CO	Cata HC-CO
Post-processing	FAP	SCR	SCR
<b>Gearbox</b>			
Number of gears	7	6	6
1st gear ratio (speed at 1,000 rpm)	7,24	7,79	7,79
2nd gear ratio (speed at 1,000 rpm)	11,43	13,83	13,83
3rd gear ratio (speed at 1,000 rpm)	17,87	22,51	22,51
4th gear ratio (speed at 1,000 rpm)	25,56	35,32	35,32
5th gear ratio (speed at 1,000 rpm)	33,47	46,26	46,26
6th gear ratio (speed at 1,000 rpm)	41,85	55,25	55,25
7th gear ratio (speed at 1,000 rpm)	50,57	-	-
<b>Direction</b>			
Direction	Electrical power steering		
Turning circle, kerb to kerb 2WS / 4WS	11,9	11,9	11,9
Steering wheel turns (lock to lock) 2WS / 4WS	2,9	2,9	2,9
<b>Axles</b>			
Front axles type	Pseudo Mac Pherson type with lower wishbone		
Rear axles type	Semi-rigid axle		
<b>Wheels and Tyres</b>			
Dimensions	Tyre SELFSEAL 18" 403121674R		
<b>Braking</b>			
Diameter / thickness of vented front discs (mm)	320 / 28		
Diameter / thickness of solid rear discs (mm)	290 / 11		
<b>Performance</b>			
Aerodynamics CdA	0,884	0,874	0,874
Top speed (km/h)	224	200	215
400 m standing start (s)	16,1	17,6	16,8
1 000 m standing start (s)	28,8	32,5	30,5
0-100 kph (s)	7,9	10,5	9,1
80-120 kph in 4th, 5th gear ratio (or Drive)	6	8,4	7,4
<b>Fuel Consumption and Emissions</b>			
CO2 (g/km)	168	135	139
Urban Cycle (l/100km)	9,2	5,7	6,2
Extra-urban Cycle (l/100km)	6,3	4,8	4,7
Combined Cycle (l/100 km)	7,4	5,1	5,3
<b>Capacity</b>			
Fuel tank capacity (litres)	58	58	58
<b>Weight (kg) - 5 / 7 seats</b>			
Kerb weight	1,633 / 1,672	1,758 / 1,797	1,765 / 1,804
Gross vehicle weight (GVW) 5 and 7 seats	2,417	2,532	2,542
Gross train weight (GTW)	4,417	4,532	4,542
Payload (at mini level)	784 / 745	774 / 735	777 / 738
Maximum braked trailer weight	2,000	2,000	2,000
Maximum unbraked trailer weight	750	750	750

# Renault KOLEOS

	KOLEOS	
<b>Moteur</b>	dCi 175 X-Tronic All Mode	dCi 175 X-Tronic All Mode 4x4i
Fuel	Diesel	
Engine Type	Common rail	
Cubic Capacity (CC)	1,995	1,995
Bore x stroke (mm)	84 x 90	84 x 90
Volumetric report	16	16
Number of cylinders / valves	4 / 16	
Maximum power (kW/hp)	130 / 175	130 / 175
Maximum torque (Nm)	380	380
Revs at max power (rpm)	3,750	3,750
Revs at max torque (rpm)	2,000	
Stop & Start	Yes	
Distribution	Chain	
<b>Gearbox</b>		
Type	CVT	CVT
<b>Performance</b>		
Top speed (kph)	196	192
0-100 kph start (s)	9,3	9,5
400 m standing start (s)	16,8	16,8
1 000 m standing start (s)	30,7	31
80-120 kph in 4th gear (s)	7,5	7,9
<b>Fuel Consumption and Emissions</b>		
CO2 (g/km)	163	168
Urban cycle (l/100km)	6,8	7
Extra-urban cycle (l/100km)	5,8	6
Combined cycle (l/100km)	6,2	6,4
Fuel tank capacity (L)	60	
<b>Steering</b>		
Direction	Electrical power steering	
Turning circle, wall-to-wall (m)	12,1	
Turning circle, kerb-to-kerb (m)	11,4	
<b>Axles</b>		
Front axle type / Rear axle type	Mac Pherson Strut Type / Multi Link Type	
<b>Wheels and Tyres</b>		
Standard fitment	17" ESQIS alloy wheel rims / Tyre 225/65R17 102H 18" TARANIS alloy wheel rims / Tyre 225/60R18 100H 18" ARGONAUTE alloy wheel rims / Tyre 225/60R18 100H 19" PROTEUS alloy wheel rims / Tyre 225/55R19 99V	
<b>Braking</b>		
Diameter / thickness of solid front discs (mm)	320 x 28	
Diameter / thickness of solid rear discs (mm)	292 x 16	
<b>Weights (kg)</b>		
Kerb weight (without option)	1,643	1,696
Gross vehicle weight (5 passengers)	2,225	2,273
Gross train weight	3,875	3,923
Payload (with minimum equipment)	582	577