

Chevrolet Orlando Technical Specification Data

- Model year : 2011
- Market : Europe
- Update date : 11/2010

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Powertrain	1.8L MT	2.0L Diesel MT	2.0L Diesel AT	2.0L Diesel Detuned MT
Engine Data				
Engine, location	front, transverse in front of axle	front, transverse in front of axle	front, transverse in front of axle	front, transverse in front of axle
Cooling system	with liquid, sealed circuit	with liquid, sealed circuit	with liquid sealed circuit	with liquid sealed circuit
Cylinders, number	4	4	4	4
Bore (mm)	80,5	86	86	86
Stroke (mm)	88,2	86	86	86
Displacement (cc)	1796	1998	1998	1998
Compression ratio	10.5 : 1	16.3 : 1	16.3 : 1	16.3 : 1
Engine, type	in line; 5 main bearings	in line 4	in line 4	in line 4
Cylinder block/head, material	cast iron/aluminum	cast iron/aluminum	cast iron/aluminum	cast iron/aluminum
Camshaft(s), location	2 overhead (DOHC), driven by toothed belt	2 overhead (DOHC), driven by chain	2 overhead (DOHC), driven by chain	2 overhead (DOHC), driven by chain
Valve train	DOHC 16 valve	DOHC 16 valve	DOHC 16 valve	DOHC 16 valve
Valve, arrangement	4 per cylinder	4 per cylinder	4 per cylinder	4 per cylinder
Valve adjustment	mechanical tappet	automatic-hydraulic	automatic-hydraulic	automatic-hydraulic
Fuel system	multi-point injection	common-rail injection	common-rail injection	common-rail injection
Ignition system	DIS	-	-	-
Fuel pump	electric motor	electric motor	electric motor	electric motor
Emission control system	Siemens SIM2K-76	DELPHI EMS	DELPHI EMS	DELPHI EMS
Output (kW/PS at 1/min)	104 /141 @ 6200	120/163 @ 3800	120/163 @ 3800	96/130 @ 3800
Specific power (kW/l;PS/l)	57.8 ; 78.3	60.1/81.6	60.1/81.6	48.0/65.1
Max. torque (Nm at 1/min)	176 / 3800	360 / 2000	360 / 2000	315 / 2000
Specific torque (Nm/liter)	97,8	180.2	180.2	157.7
Mean effective pressure at max. torque (bar)	11,21	22,64	22,64	19,81
Max. power at max. torque (kPa)	1230,8	1897,0	1897,0	1517,0
Average piston speed (m/s)	18,2	14.3	14.3	14.3
Engine oil, capacity (l)	4,5	7.1	7.1	7.1
Cooling capacity (l)	6,5	7.5	7.5	7.5
Battery 12 V, capacity (Ah)	60	75	75	75
Alternator 14.2 V, capacity (W)	100	140	140	140
Transmission				
Drive axle	front wheel drive	front wheel drive	front wheel drive	front wheel drive
Transmission, type	manual	manual	automatic	manual
Gear ratios	3.818/2.158/1.481/1.121/0.886/Rev 3.545/FDR:4.176	4.167/2.130/1.321/0.954/0.755/0.623/Rev 3.917/FDR:3.545	4.584/2.964/1.912/1.446/1/0.746/Rev -2.94/FDR :2.64	4.167/2.130/1.321/0.954/0.755/0.623/Rev 3.917/FDR:3.545
Clutch, type	dry, single disc	dry, dual disc	-	dry, dual disc
Body				
Seats	7	7	7	7
Drag coefficient (c d)	0,325	0,327	0,327	0,327
Frontal area (A in m2)	2,547	2,553	2,553	2,553
Index (c w xA)	0,828	0,835	0,835	0,835
Chassis				
Wheel suspension front	McPherson strut	McPherson strut	McPherson strut	McPherson strut
Wheel suspension rear	compound crank axle	compound crank axle	compound crank axle	compound crank axle
Brakes				
Brake circuits	X-diagonals	X-diagonals	X-diagonals	X-diagonals
Brakes front, diameter (mm)	vent disk (300)	vent disk (300)	vent disk (300)	vent disk (300)
Brakes rear, diameter (mm)	solid disk (292)	solid disk (292)	solid disk (292)	solid disk (292)
ABS	4ch, 4 sensor	4ch, 4 sensor	4ch, 4 sensor	4ch, 4 sensor

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Weights and dimensions				
Exterior dimension				
Length (mm)	4652	4652	4652	4652
Width (mm)	1836	1836	1836	1836
Height (mm)	1633	1633	1633	1633
Wheelbase (mm)	2760	2760	2760	2760
Track front/rear (mm)	1584/1588	1584/1588	1584/1588	1584/1588
Interior dimension				
Length (mm)	2659	2659	2659	2659
Width (mm)	1450	1450	1450	1450
Height (mm)	1246	1246	1246	1246
Leg room front/rear (mm)	1034/917/753	1034/917/753	1034/917/753	1034/917/753
Shoulder room front/rear (mm)	1450/1419/1307	1450/1419/1307	1450/1419/1307	1450/1419/1307
Head room front/rear (mm)	1020/983/945	1020/983/945	1020/983/945	1020/983/945
Luggage capacity with all seats up (l) (VDA)	89	89	89	89
Luggage capacity with 3rd row folded (up to window/up to ceiling) (l) (VDA)	454/727	454/727	454/727	454/727
Luggage capacity with 2nd and 3rd row folded (up to window/up to ceiling) (l) (VDA)	852/1487	852/1487	852/1487	852/1487
Rim width (inch)(mm)/tire size	6.5Jx16/215/60R16 7Jx17/225/50R17 8JX18 / 235/45R18	6.5Jx16/215/60R16 7Jx17/225/50R17 8JX18 / 235/45R18	6.5Jx16/215/60R16 7Jx17/225/50R17 8JX18 / 235/45R18	6.5Jx16/215/60R16 7Jx17/225/50R17 8JX18 / 235/45R18
Turning diameter; minimum/wall to wall (m)	11.3/11.8	11.3/11.8	11.3/11.8	11.3/11.8
Steer. wheel turns lock/lock	2,74	2,74	2,74	2,74
Steering	electric power steering	hydraulic power steering	hydraulic power steering	hydraulic power steering
Steering wheel outside diameter (mm)	370	370	370	370
Kerb weight/max. allowable weight (GVW) (kg)	1528/2160	1655/2287	1659/2291	1655/2287
Power to weight ratio (kg/kW) (empty)	14,69	13,79	13,83	17,24
Max. axle load front/rear (kg)	1220/1190	1220/1190	1220/1190	1220/1190
Trailer weight - w/o brake(kg)	750	750	750	750
- w brake(kg)	1100	1500	1500	1500
Mechanical coupling weight (kg)	75	75	75	75
Ball weight (kg)	25	25	25	25
Roof Load (kg)	100	100	100	100
Fuel tank capacity (l)	64	64	64	64
Performance				
Top speed (km/h)	185	195	195	180
Acceleration 0 - 100km/h (sec)	11,6	10,0	11,0	10,3
Acc. 40 - 100 km/h in 4th gear (sec)	17,5	12,2	9,0	12,7
Acc. 80 - 120 km/h in 5th gear (sec)	18,5	11,0	8,4	11,4
Acc. 80 - 120 km/h in 6th gear (sec)	N/A	14,3	8,4	14,6
Pass-by noise (dBA)	72,5	71,3	70,3	71,3
Fuel	gasoline	diesel	diesel	diesel
Fuel consumption (liter/100 km)	7,3	6,0	7,0	6,0
Fuel consumption (liter/100 km) urban	9,7	7,9	9,3	7,9
Fuel consumption (liter/100 km) extra urban	5,9	4,9	5,7	4,9
CO2 emission (g/km)	172	159	186	159
CO2 emission (g/km) urban	229	210	246	210
CO2 emission (g/km) extra urban	139	130	152	130
Emission class	Euro5	Euro5	Euro5	Euro5