





Vehicle Type

Modern C-segment family car, 3-door, 5-door, wagon.

Structure

Computer-optimised, high-efficiency, unitary-welded steel body incorporating rigid occupant protection cell and front and rear energy-absorbing crumple zones. Direct-glazed windshield.

Safety features

Dual single-stage front air bags with crash severity sensing, optional thorax side air bags and full-length inflatable side curtains, pyrotechnic pretensioner and load-limiting retractor for driver and front passenger safety belts, collapsible pedals, ABS with mechanical brake assist and optional ESP. Rigid occupant protection cell and energy-absorbing crumple zones.

Bumper system

Damage-resistant, full-depth moulded reinforced polypropylene.

Anti-corrosion

Multi-stage paint and body protection process, including extensive pre-coating of zinc on steel panels, optimised phosphate spray coat, electrocoat primer, primer/surfacer, basecoat/clearcoat topcoat system, comprehensive wax injection of cavities, PVC underbody coating plus stone chip protection. Particular attention paid to sealing flanges with rust-inhibiting adhesive and thick PVC sealing beads. Front plastic wheelarch liners, rear textile wheelarch liners, plastic anti-scoff panels on rear load sill.

Suspension

Front

Independent McPherson struts with offset coil spring over gas filled damper units and lower L-arms with optimised front rubber bush and rear hydrobush mounted on separate reinforced cross-member.

Rear

Independent short-long arm (SLA) Control Blade multi-link system mounted on reinforced subframe, anti-roll bar and gas-filled dampers.

Optional Sports suspension (not available with Ghia versions) with unique anti-roll bars, springs and dampers, reduced ride height (10mm front, 8mm rear).

Steering

Type

Rack and pinion. Hydraulic Power Assisted Steering (HPAS) on 1.4L / 1.6L petrol engines. Electro-Hydraulic Power-Assisted Steering (EHPAS) on 2.0L petrol and Duratorq TDCi engines. Turning circle (m) – 10.7 m kerb-to-kerb. Turns lock-to-lock – 2.9.

Brakes

Type

Dual circuit, diagonally split, hydraulically operated disc front with drum or disk rear brakes dependent upon engine/ series rear. Vacuum servo assisted with optional electronically controlled four-channel brake distribution ABS. Mechanical brake assist optional.

Front

16-inch: 300 mm diameter x 25 mm thick ventilated discs / 15-inch: 278 mm x 25 mm ventilated discs.

Rear

229 mm diameter x 36 mm wide drums or discs 265mm x 11 mm or 280 mm x 11 mm (dependent upon engine size / series).

Wheels and Tyres*

Wheel type	Pressed Steel	Alloy	Design Wheels	Alloy
Wheel size	15 x 6 inch	15 x 6 inch	16 x 6.5 inch	17 x 6.5 inch
Tyre size	195/65	195/65	205/55	205/50

* Wheels and tyres vary according to engine size, model series and specified options. For a full breakdown of the wheel and tyre sizes available please refer to the CD-ROM

Exterior and Interior Dimensions

Exterior

3-door / 5-door Wagon

Overall length (mm)	4342	4473
Front overhang (mm)	871	871
Rear overhang (mm)	833	963
Wheelbase (mm)	2640	2640
Overall height (mm)	1447	1447
Overall width (mm)	1840	1840
Front tread (mm)	1535	1535
Rear tread (mm)	1531	1531

Interior

Front legroom (mm)	1058	1058
Front shoulder room (mm)	1404	1404
Front headroom (mm)	999	999
Rear legroom (mm)	906	906
Rear shoulder room (mm)	1381	1381
Rear headroom (mm)	978	1009
Rear knee clearance (mm)	31	31

Luggage/cargo

3-door / 5-door Wagon

VDA Luggage volume (litres)	385	475
VDA Luggage volume (litres) to roof, rear seats removed	1245	1525
Load length, standard luggage compartment to rear seatback (mm)	927	1042
Load width between wheel arches (mm)	1050	1159
Load length, luggage compartment with rear seat folded flat (mm)	1530	1675
Maximum cargo height (mm)	833	890

Other

Fuel capacity (litres)	55	55
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Weights*

	3-door	5-door	5-door Wagon
Min Kerbweight (kg)	1229 - 1408	1247 - 1421	1277 - 1478
Gross Vehicle Mass (kg)	1690 - 1860	1710 - 1875	1750 - 1950
Max Towing Mass (kg)	700 - 1500	700 - 1500	700 - 1500

* Weights vary according to engine size and powertrain.
For a full breakdown of the weights by body style and powertrain please refer to the CD-ROM



1.4L Duratec 16V – 80 PS

Displacement (cc)	1388
Bore (mm)	76
Stroke (mm)	76.5
Fuel type, grade	Unleaded petrol, 95 (RON)
Max power (IS= kW/PS)	59 / 80
At engine speed (rpm)	5700
Max torque (ISO Nm)	123
Max BMEP (bar)	11.5
At engine speed (rpm)	3500
Compression ratio	11.0:1
Cylinders	4, in line
Cylinder head	Aluminium alloy
Cylinder block	Aluminium alloy
Crankshaft	Nodular cast iron with 8 counterweights
Valves per cylinder	4
Valve gear	DOHC 16V
incl. angle between valves	42 degrees
Valve Sizes (mm)	Intake: 30.1 Exhaust: 24.1
Camshaft drive	Belt
Pistons	Aluminium alloy with low friction piston skirt coating
Connecting rods	Sinter-forged steel with fracture-split big ends
Engine management	Siemens integrated PCS
Fuel injection	Sequential electronic multipoint
Ignition	Electronic distributorless
Emission controls	No external EGR
Emission level	Euro Stage III and IV

1.6L Duratec 16V - 100 PS

Displacement (cc)	1596
Bore (mm)	79
Stroke (mm)	81.4
Fuel type, grade	Unleaded petrol, 95 (RON)
Max power (IS= kW/PS)	74 / 100
At engine speed (rpm)	5500
Max torque (ISO Nm)	150
Max BMEP (bar)	11.8
At engine speed (rpm)	4000
Compression ratio	11.0:1
Cylinders	4, in line
Cylinder head	Aluminium alloy
Cylinder block	Aluminium alloy
Crankshaft	Nodular cast iron with 8 counterweights
Valves per cylinder	4
Valve gear	DOHC 16V
incl. angle between valves	42 degrees
Valve Sizes (mm)	Intake: 30.1 Exhaust: 24.1
Camshaft drive	Belt
Pistons	Aluminium alloy with low friction piston skirt coating
Connecting rods	Sinter-forged steel with fracture-split big ends
Engine management	Siemens integrated PCS
Fuel injection	Sequential electronic multipoint
Ignition	Electronic distributorless
Emission controls	Closed-loop three-way catalyst
Emission level	Euro Stage IV

1.6L Duratec Ti-VCT 16V - 115 PS

Displacement (cc)	1596
Bore (mm)	79
Stroke (mm)	81.4
Fuel type, grade	Unleaded petrol, 95 (RON)
Max power (IS= kW/PS)	84 / 115
At engine speed (rpm)	6000
Max torque (ISO Nm)	155
Max BMEP (bar)	12.2
At engine speed (rpm)	4150
Compression ratio	11.0:1
Cylinders	4, in line
Cylinder head	Aluminium alloy
Cylinder block	Aluminium alloy
Crankshaft	Nodular cast iron with 8 counterweights
Valves per cylinder	4
Valve gear	DOHC 16V
incl. angle between valves	42 degrees
Valve Sizes (mm)	Intake: 30.1 Exhaust: 24.1
Camshaft drive	Belt
Pistons	Aluminium alloy with low friction piston skirt coating
Connecting rods	Sinter-forged steel with fracture-split big ends
Engine management	Siemens integrated PCS
Fuel injection	Sequential electronic multipoint
Ignition	Electronic distributorless
Emission controls	Closed-loop three-way catalyst
Emission level	Euro Stage IV



Displacement (cc)	1999
Bore (mm)	87.5
Stroke (mm)	83.1
Fuel type, grade	Unleaded petrol, 95 (RON)
Max power (IS= kW/PS)	107 / 145
At engine speed (rpm)	6000
Max torque (ISO Nm)	185
Max BMEP (bar)	11.63
At engine speed (rpm)	4500
Compression ratio	10.8:1
Cylinders	4, in line
Cylinder head	Low pressure, aluminium alloy casting
Cylinder block	Aluminium alloy with deep skirt and bearing beam
Crankshaft	Nodular cast iron with 4 counterweights
Valves per cylinder	4
Valve gear	DOHC 16V direct acting, mechanical, shimless tappets
incl. angle between valves	39 degrees
Valve Sizes (mm)	Intake: 35.0 Exhaust: 30.0
Camshaft drive	Silent, inverted-tooth chain with hydraulic tensioner
Pistons	Lightweight, short skirt silicon-aluminium alloy with graphite coating
Connecting rods	Sinter-forged steel with fracture-split big ends
Engine management	Visteon EMS 7
Fuel injection	Sequential electronic multipoint
Ignition	Electronic distributorless
Emission controls	Close-coupled, closed loop, three-way catalyst with oxygen sensor
Emission level	Euro Stage III and IV

1.6L Duratorq TDCi – 109 PS

Displacement (cc)	1560
Bore (mm)	75
Stroke (mm)	88.3
Fuel type, grade	Diesel
Max power (IS= kW/PS)	81 / 109
At engine speed (rpm)	4000
Max torque (ISO Nm)	240
Max BMEP (bar)	19.3
At engine speed (rpm)	1750
Compression ratio	18:1
Cylinders	4, in line
Cylinder head	Aluminium alloy
Cylinder block	Aluminium alloy
Crankshaft	Forged steel
Valves per cylinder	4
Valve gear	SOHC, 8V
Valve Sizes (mm)	Intake: 24.4 Exhaust: 22.0
Camshaft drive	Belt/Chain
Pistons	Aluminium alloy
Connecting rods	Forged steel with fracture-split big ends
Engine management	Bosch integrated PCS
Fuel injection	2nd generation common-rail direct injection with turbocharger
Emission controls	Oxidation catalyst and closed-loop EGR (DPF)
Emission level	Euro Stage III (IV + DPF)

2.0L Duratorq TDCi – 136 PS

Displacement (cc)	1997
Bore (mm)	85
Stroke (mm)	88
Fuel type, grade	Diesel
Max power (IS= kW/PS)	100 / 136
At engine speed (rpm)	4000
Max torque (ISO Nm)	320
Max BMEP (bar)	20.1
At engine speed (rpm)	2000
Compression ratio	18:1
Cylinders	4, in line
Cylinder head	Aluminium alloy
Cylinder block	Cast iron
Crankshaft	Forged steel
Valves per cylinder	4
Valve gear	SOHC, 8V
Valve Sizes (mm)	Intake: 28.2 Exhaust: 23.16
Camshaft drive	Belt/Chain
Pistons	Aluminium alloy
Connecting rods	Forged steel with fracture-split big ends
Engine management	Bosch integrated PCS
Fuel injection	2nd generation common-rail direct injection with turbocharger
Emission controls	Oxidation catalyst and closed-loop EGR (DPF)
Emission level	Euro Stage III (IV + DPF)

Transmission Table

	1.4L Duratec 80 PS	1.6L Duratec 100 PS	1.6L Duratec 100 PS	1.6L Duratec Ti-VCT 115 PS	2.0L Duratec 145 PS	1.6L Duratorq TDCi 109 PS	1.6L Duratorq TDCi 109 PS	2.0L Duratorq TDCi 136 PS
Transmission type	Durashift 5-speed	Durashift 5-speed	Durashift Automatic	Durashift 5-speed	Durashift 5-speed	Durashift 5-speed	Durashift CVT	Durashift 6-speed
Clutch type (diameter, mm)	210	210	-	210	228	240	Torque Converter	240
6th gear	-	-	-	-	-	-	-	2.025
5th gear	0.878	0.878	-	0.878	3.26	2.91	-	2.52
4th gear	1.108	1.108	0.726	1.108	4.17	3.14	-	3.43
3rd gear	1.414	1.414	1.000	1.414	5.87	4.58	-	5.05
2nd gear	2.038	2.038	1.498	2.038	8.67	6.98	-	7.59
1st gear	3.583	3.583	2.816	3.583	13.8	12.5	-	12.53
Rev gear	3.615	3.615	2.649	3.615	15.1	12.7	-	11.93
Final drive	4.059	4.059	4.203	4.059	4.06	3.41	-	4.07 [1-4] 2.85 [5,6,Rev]

Economy, Performance and Emissions

	1.4L Duratec 80 PS	1.6L Duratec 100 PS	1.6L Duratec 100 PS	1.6L Duratec Ti-VCT 115PS	2.0L Duratec 145PS	1.6L Duratorq TDCi 109 PS	1.6L Duratorq TDCi 109 PS	2.0L Duratorq TDCi 136 PS
Euro Emissions Stage	Stage III / IV	Stage III / IV	Stage IV (Auto)	Stage IV	Stage III / IV	Stage III / IV + DPF	Stage III +CVT	Stage III / IV + DPF
CO2 Emissions (g/km)	159	161	180	155	170	127	146	148
Urban fuel consumption L / 100km	8.7	8.7	10.4	8.7	9.8	6.2	6.9	7.4
Extra Urban fuel consumption L / 100km	5.4	5.5	5.9	5.1	5.4	4	4.7	4.6
Combined fuel consumption L / 100km (mpg)	6.6 (42.7 mpg)	6.7 (42.2 mpg)	7.5 (36.9 mpg)	6.4 (43.8 mpg)	7.1 (39.8 mpg)	4.8 (58.9 mpg)	5.5 (51 mpg)	5.6 (51.4 mpg)
Max Speed km/h (mph)	164 (101)	180 (111)	172 (106)	190 (117)	206 (127)	188 (116)	183 (113)	203 (125)
0-100 km/h (0-62 mph) in sec.	14.1	11.9	13.6	10.8	9.2	10.9	11.5	9.3
50-100 km/h (31-62 mph) in sec., 4th gear	16.3	13.3	N/A	12.9	11.9	10.9	N/A	7.8

Note: This information reflects preliminary specifications and was correct at the time of going to print. However, Ford policy is one of continuous product development. The right is reserved to change these details at any time.