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Specifications: Ford BA Falcon I6

Engine	Barra 182	E-Gas	Barra 240T
Engine Type	4.0L DOHC VCT 6 cylinder engine	4.0L DOHC VCT DLPG 6 cylinder	4.0L DOHC VCT TURBO 6 cylinder
Applicable Models	XT, Futura, XR6, Fairmont, Fairmont Ghia	XT (optional), Futura (optional)	XR6 Turbo
Compression ratio	9.7:1	10.7:1	8.7:1
Max. Power	182kW @ 5000rpm	156kW @ 4750rpm	240kW @ 5250rpm
Max. Torque	380Nm @ 3250rpm	372Nm @ 3000rpm	450Nm @ 2000 to 4500rpm
Bore x stroke	92.26mm x 99.31 mm	92.26mm x 99.31 mm	92.26mm x 99.31 mm
Materials			
Cylinder Head	Alloy	Alloy	Alloy
Engine Block	Cast Iron	Cast Iron	Cast Iron
Intake Manifold	Alloy dual resonance	Alloy dual resonance	Alloy dual resonance
Crankshaft	Cast Iron	Cast Iron	Cast Iron
Injection	Sequential Multipoint Electronic Fuel Injection		
Ignition	Coil on plug with long-life spark plugs		
Engine Management	Powertrain Control Module incorporating Electronic Throttle Control		
Valvegear	Roller Finger Follower		
Valve Size	35mm inlet / 32mm exhaust		
Battery	54Ah (59 Ah for Police / Taxi)		

Transmission / Ratios	Barra 182		E-Gas	Barra 240T	
Transmission Ratios	Automatic	Manual	Automatic	Automatic	Manual
1st	2.5	3.35	2.5	2.5	2.95
2nd	1.49	1.93	1.49	1.49	1.94
3rd	1.00	1.29	1.00	1.00	1.34
4th	0.68	1.00	0.68	0.68	1.00
5th	-	0.73	-	-	0.73
Reverse	2.07	3.15	2.07	2.07	2.76
Final Drive Ratio					
Sedan	3.23 *1 / 3.45 *2	3.45	3.23	3.45	3.45
Wagon	3.23	3.23	3.23	-	-
*1	Drive ratio for XT, Futura and Fairmont Automatic Transmission.				
*2	Drive ratio for XR6 and Fairmont Ghia Automatic Transmission.				

Fuel consumption	Barra 182		E-Gas		Barra 240T
Fuel	Sedan	Wagon	Sedan	Wagon	Sedan
Fuel tank capacity	68L	69L	93L	116L	68L

Fuel consumption (cont.)	Barra 182		E-Gas		Barra 240T
Fuel consumption					
City Cycle (L/100km)	11.5	11.5	16	16	TBA
Highway Cycle (L/100km)	7.4	7.6	9	9.5	TBA
Recommended fuel	Unleaded Petrol		LPG-only		Unleaded Petrol / Premium Unleaded

Suspension	
Front suspension	Fully Independent Double Wishbone
Rear suspension	Control Blade Independent Rear Suspension # # Falcon Sedan only. Falcon Wagon has Live Rear Axle

Brakes	
Front brakes	Vented disc brakes with twin piston caliper
Rear brakes	Solid disc brake with single piston caliper
ABS	3 channel ABS / 4 channel ABS where Traction Control fitted

Maximum Towing Capacity	
Manual Transmission	1200kg. Nb. Tow capacity figures are applicable with the Ford Towpack
Automatic Transmission	2300 kg (1600kg for Turbo only)
Dedicated LPG Sedan	2300 kg

Exterior dimensions (mm)	Sedan	Wagon
Front Track	1553	1553
Rear track	1571	1546
Front overhang	913	913
Rear overhang	1174	1219

Interior dimensions (mm)	Sedan	Wagon
Front headroom	1010	1010
Front legroom	1086	1086
Front shoulder room	1513	1513
Front hiproom	1461	1461
Rear headroom	976	1043
Rear legroom	980	980
Rear shoulder room	1494	1494

Kerb weight (kg)	Sedan	Wagon
6-cylinder	1672 *1	1684 *2
8-cylinder	1740	tbc

*1 Kerb weight for Falcon XT fitted with Barra 182 engine with manual transmission on sedan and automatic transmission on wagon.

*2 Kerb weight for Falcon XT fitted with Barra 220 engine with manual transmission.

Luggage capacity (L)	Sedan	Wagon
Petrol	504	1254
Dedicated LPG	379	1211

Minimum turning circle (m)	Sedan	Wagon
Diameter kerb-to-kerb	11	11.3

AustralianCar.Reviews: Ford BA Falcon (2002-05)

