

Specifications BMW X1. X1 xDrive18d, X1 xDrive20d, X1 xDrive23d



9/2011

Valid from
9/2011

		BMW X1 xDrive18d	BMW X1 xDrive20d	BMW X1 xDrive23d
Body				
No of doors/seats		5 / 5	5 / 5	5 / 5
Length/width/height ¹⁾ (unladen)	mm	4454 / 1798 / 1545	4454 / 1798 / 1545	4454 / 1798 / 1545
Wheelbase	mm	2760	2760	2760
Track, front/rear	mm	1500 / 1529	1500 / 1529	1500 / 1529
Turning circle	m	11.8	11.8	11.8
Tank capacity	app ltr	61	61	61
Cooling system incl heater	ltr	7.2 (7.5)	7.2 (7.9)	7.9 (7.9)
Engine oil ²⁾	ltr	5.2	5.2	5.2
Weight, unladen, to DIN/EU	kg	1540 / 1615 (1575 / 1650)	1575 / 1650 (1585 / 1660)	1585 / 1660 (1595 / 1670)
Max load to DIN	kg	550	550	550
Max permissible	kg	2120 (2140)	2130 (2145)	2150 (2160)
Max axle load, front/rear	kg	1010 / 1170	1010 / 1165	1015 / 1160
Max trailer load (12%), braked/unbraked	kg	1800 / 750	2000 / 750	2000 / 750
Max roofload/max towbar downl	kg	75 / 80	75 / 80	75 / 80
Luggage comp capacity	ltr	420 – 1350	420 – 1350	420 – 1350
Air drag	Cd x A	0.33 x 2.34	0.33 x 2.34	0.33 x 2.34
Power Unit				
Config/No of cyls/valves		R / 4 / 4	R / 4 / 4	R / 4 / 4
Engine technology		BMW TwinPower Turbo technology with variable-geometry turbocharger (BMW X1 xDrive23d: Variable Twin Turbo), Common Rail direct injection (max. injection pressure: 1800 bar, BMW X1 xDrive23d: 2000 bar)		
Capacity, effective	cc	1995	1995	1995
Stroke / bore	mm	90.0 / 84.0	90.0 / 84.0	90.0 / 84.0
Compression ratio	:1	16.5	16.5	16.5
Fuel		Diesel	Diesel	Diesel
Max output	kW/hp	105 / 143	130 / 177	150 / 204
at	rpm	4000	4000	4400
Max torque	Nm/lb-ft	320	350	400
at	rpm	1750 – 2500	1750 – 3000	2000 – 2250
Electrical System				
Battery/location	Ah/–	80 / luggage comp	80 / luggage comp	80 / luggage comp
Alternator	A/W	180 / 2520	180 / 2520	180 / 2520
Driving Dynamics and Safety				
Suspension, front		Double-joint spring-strut thrust bar axle		
Suspension, rear		Double-wishbone five-link axle with trailing arm		
Brakes, front		Single-piston swing-calliper disc brakes		
Diameter	mm	312 x 24 / vented	312 x 24 / vented	330 x 24 / vented
Brakes, rear		Single-piston swing-calliper disc brakes		
Diameter	mm	300 x 20 / vented	300 x 20 / vented	300 x 20 / vented
Driving stability systems		Standard: DSC incl ABS and DTC Dynamic Traction Control, CBC Cornering Brake Control, DBC Dynamic Brake Control, Dry Braking function, Fading Compensation, hill-start assistant, DSC linked with xDrive, Hill Descent Control HDC, optional: Performance Control		
Safety equipment		Standard: airbags for driver and front passenger, side airbags for driver and front passenger, head airbags front and rear, active headrests at the front, three-point inertia-reel seat belts on all seats, belt latch tensioners at the front, crash sensors, roll-over sensors, Tyre Defect Indicator		
Steering		Hydraulic rack-and-pinion power steering, optional: Servotronic		
Steering transmission, overall	:1	18.5	18.5	18.5
Tyres, front/rear		225/50 R17 94H	225/50 R17 94H	225/50 R17 94H
Rims, front/rear		7,5J x 17 St	7,5J x 17 LM	7,5J x 17 LM

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BMW ConnectedDrive					
Comfort		Optional: BMW Assist including Enquiry Service, remote-control functions, Real-Time Traffic Information, BMW TeleServices, integration of mobile devices			
Infotainment		Optional: internet access, BMW Online incl inter alia Park Info, National Info, Google Local Search, News, Realtime Weather, BMW Routes, Office functions, Bluetooth Audio Streaming, Online Update Music Tracks, Apps			
Safety		Optional: Adaptive Headlights with cornering lights, High-Beam Assistant, Park Distance Control, rear-view camera, Cruise Control with braking function, Automatic/Advanced Emergency Call			
Transmission					
Type of transmission		Six-speed manual (optional: six-speed automatic with Steptronic)			
Gear ratios	I	:1	5.140 (4.171)	5.140 (4.171)	4.110 (4.171)
	II	:1	2.830 (2.340)	2.830 (2.340)	2.248 (2.340)
	III	:1	1.804 (1.521)	1.804 (1.521)	1.403 (1.521)
	IV	:1	1.257 (1.143)	1.257 (1.143)	1.000 (1.143)
	V	:1	1.000 (0.867)	1.000 (0.867)	0.802 (0.867)
	VI	:1	0.831 (0.691)	0.831 (0.691)	0.659 (0.691)
	Reverse	:1	4.638 (3.403)	4.638 (3.403)	3.727 (3.403)
Final drive		:1	2.786 (3.636)	2.786 (3.462)	3.636 (3.636)
Performance					
Power-to-weight ratio	kg/kW	14.7 (15.0)	12.1 (12.2)	10.6 (10.6)	
Output per litre	kW/hp	52.6	65.2	75.2	
Acceleration 0–100 km/h	sec	10.1 (10.3)	8.4 (8.6)	7.3 (7.3)	
Standing-start	sec	31.7 (31.9)	29.5 (29.7)	28.2 (28.2)	
In 4 th / 5 th gear 80-120km/h	sec	8,7 / 10,2	7,2 / 9,1	-	
Top speed	km/h	195 (195)	213 (213)	223 (223)	
Offroad characteristics					
Overhang angle front / rear	°	18.0 / 22.2	18.0 / 22.2	18.0 / 22.2	
Ramp breakover angle	°	16.8	16.8	16.8	
Ground clearance	mm	194	194	194	
BMW EfficientDynamics					
BMW EfficientDynamics standard features		Brake energy regeneration, Optimum Shift Indicator and Auto Start-Stop function (manual gearbox), on-demand operation of ancillary units, Intelligent lightweight technology, final drive with optimised thermal management ,a/c compressor detachable			
Fuel Consumption in EU					
Urban	ltr/100	6.7 (7.7)	7.0 (7.7)	7.3 (7.8)	
Extra-urban	ltr/100	5.1 (5.4)	5.1 (5.4)	5.2 (5.5)	
Combined	ltr/100	5.7 (6.2)	5.8 (6.2)	6.0 (6.3)	
CO ₂	g/km	150 (164)	153 (164)	158 (167)	
Emission rating		EU5	EU5	EU5	

Specifications apply to ACEA markets; data relevant to homologation applicable in part only to Germany (weights, top speed)
Figures in brackets apply to automatic transmission

- 1) Height including roof antenna: 1573 mm
- 2) Oil change