BMW Group

Edition: MY 07 - 03/2007
Date: 15.12.2006

Technical Data - Europe.
BMW X3 SAV (E83).

Only for internal use

		X3 2.0i SAV	X3 2.5si SAV	X3 2.5si SAV	X3 3.0si SAV	X3 3.0si SAV	X3 2.0d SAV	X3 3.0d SAV	X3 3.0d SAV	X3 3.0sd SAV
Engine platform		**N46B20O1**	**N52B25O1**	**N52B25O1**	**N52B30O1**	**N52B30O1**	**M47D20O2**	**M57D30O2**	**M57D30O2**	**M57D30T2**
Transmission		**M6**	**M6**	**A6**	**M6**	**A6**	**M6**	**M6**	**A6**	**A6**
No of doors / seats	-	5 / 5	5 / 5	5 / 5	5 / 5	5 / 5	5 / 5	5 / 5	5 / 5	5 / 5
Vehicle lenght / width / height -unloaded-	mm	4569 / 1853 / 1674	4569 / 1853 / 1674	4569 / 1853 / 1674	4569 / 1853 / 1674	4569 / 1853 / 1674	4569 / 1853 / 1674	4569 / 1853 / 1674	4569 / 1853 / 1674	4569 / 1853 / 1674
Weelbase / Turning cicle	mm / m	2795 / 11,7	2795 / 11,7	2795 / 11,7	2795 / 11,7	2795 / 11,7	2795 / 11,7	2795 / 11,7	2795 / 11,7	2795 / 11,7
Track front / rear	mm	1538 / 1556	1538 / 1556	1538 / 1556	1524 / 1542	1524 / 1542	1538 / 1556	1524 / 1542	1524 / 1542	1524 / 1542
Overhang rear	mm	953	953	953	953	953	953	953	953	953
Ground clearance -empty-	mm	201	201	201	201	201	201	201	201	201
Shoulder width front / rear	mm	1412 / 1398	1412 / 1398	1412 / 1398	1412 / 1398	1412 / 1398	1412 / 1398	1412 / 1398	1412 / 1398	1412 / 1398
Ellbow width front / rear	mm	1433 / 1452	1433 / 1452	1433 / 1452	1433 / 1452	1433 / 1452	1433 / 1452	1433 / 1452	1433 / 1452	1433 / 1452
Eff. head room front / rear	mm	997 / 1002	997 / 1002	997 / 1002	997 / 1002	997 / 1002	997 / 1002	997 / 1002	997 / 1002	997 / 1002
Luggage capacity	m³	0,480-1,560	0,480-1,560	0,480-1,560	0,480-1,560	0,480-1,560	0,480-1,560	0,480-1,560	0,480-1,560	0,480-1,560
Fuel tank capacity	ltr	67	67	67	67	67	67	67	67	67
Curb weight -acc DIN-	kg	1655 / 1730	1730 / 1805	1755 / 1830	1740 / 1815	1765 / 1840	1745 / 1820	1805 / 1880	1810 / 1885	1875 / 1950
Axle load ratio -unloaded DIN-	%	49,4	49,0	48,3	49,0	48,6	48,6	48,4	47,7	47,1
Gross vehicle weight / Payload	kg	2200 / 545	2260 / 530	2300 / 545	2260 / 520	2300 / 535	2265 / 520	2350 / 545	2355 / 545	2385 / 510
Axle load limit front / rear	kg	1050 / 1235	1100 / 1260	1100 / 1260	1100 / 1260	1150 / 1260	1080 / 1260	1150 / 1260	1150 / 1260	1177 / 1284
Trailer load braked -12% / 8%-	kg	1600 / 1600	1800 / 1800	1800 / 1800	2000 / 2000	2000 / 2000	1700 / 1700	2000 / 2000	2000 / 2000	2000 / 2000
Trailer load unbraked / roof load	kg	720 / 75	720 / 75	720 / 75	720 / 75	720 / 75	720 / 75	750 / 75	750 / 75	750 / 75
Engine type / cylinder / valves p cyl	-	In line / 4 / 4	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4	In line / 4 / 4	In line / 6 / 4	In line / 6 / 4	In line / 6 / 4
Fuel management	-	MEV9	MSV80	MSV80	MSV80	MSV80	DDE 6	DDE 6	DDE 6	DDE 6
Effective displacement	cm³	1995	2497	2497	2996	2996	1995	2993	2993	2993
Stroke / Bore	mm	90 / 84	78,8 / 82	78,8 / 82	88 / 85	88 / 85	90 / 84	90 / 84	90 / 84	90 / 84
Nom power output / Engine speed	kW(hp)/ 1/min	110 (150) / 6200	160 (218) / 6500	160 (218) / 6500	200 (272) / 6650	200 (272) / 6650	110 (150) / 4000	160 (218) / 4000	160 (218) / 4000	210 (286) / 4400
Max torque / Engine speed	Nm / 1/min	200 / 3750	250 / 2750	250 / 2750	315 / 2750	315 / 2750	330 / 2000	500 / 1750	500 / 1750	580 / 1750
RPM at max torque -range-	1/min	see 'Tor./Engine speed'	2750-4250	2750-4250	see 'Tor./Engine speed'	see 'Tor./Engine speed'	see 'Tor./Engine speed'	1750-2750	1750-2750	1750-2250
Compression ratio / Fuel type	-	10,5 / ROZ95-98	11 / ROZ91-98	11 / ROZ91-98	10,7 / ROZ91-98	10,7 / ROZ91-98	17 / Diesel	17 / Diesel	17 / Diesel	17 / Diesel
Exhaust emissions classification	-	EU4	EU4	EU4	EU4	EU4	EU4	EU4	EU4	EU4
Codification of reference gearbox	-	ZF Hweit	ZF H	GM 6 (Typ 6L45)	ZF H	GM 6 (Typ 6L45)	ZF Hweit	ZF Gweit	ZF 6HP26 TÜ	ZF 6HP26 TÜ
Gear ratio 1st/2nd/3rd	-	5,14 / 2,83 / 1,804	4,35 / 2,496 / 1,665	4,065 / 2,371 / 1,551	4,35 / 2,496 / 1,665	4,065 / 2,371 / 1,551	5,14 / 2,83 / 1,804	5,08 / 2,804 / 1,783	4,171 / 2,34 / 1,521	4,171 / 2,34 / 1,521
Gear ratio 4th/5th/6th/7th	-	1,257 / 1 / 0,831 / -	1,23 / 1 / 0,851 / -	1,157 / 0,853 / 0,674 / -	1,23 / 1 / 0,851 / -	1,157 / 0,853 / 0,674 / -	1,257 / 1 / 0,831 / -	1,26 / 1 / 0,835 / -	1,143 / 0,867 / 0,691 / -	1,143 / 0,867 / 0,691 / -
Reverse ratio	-	4,638	3,926	3,200	3,926	3,200	4,638	4,607	3,403	3,403
Final drive ratio	-	4,10	3,91	4,44	3,73	4,44	3,07	2,93	3,46	3,23
Steering type / ratio	-	Rack-and-pinion / 18,9	Rack-and-pinion / 18,9	Rack-and-pinion / 18,9	Rack-and-pinion / 18,9	Rack-and-pinion / 18,9	Rack-and-pinion / 18,9	Rack-and-pinion / 18,9	Rack-and-pinion / 18,9	Rack-and-pinion / 18,9
Brake front / diameter	-/mm	Ventilated Disc / 325	Ventilated Disc / 325	Ventilated Disc / 325	Ventilated Disc / 325	Ventilated Disc / 325	Ventilated Disc / 325	Ventilated Disc / 325	Ventilated Disc / 325	Ventilated Disc / 332
Brake rear / diameter	-/mm	Ventilated Disc / 320	Ventilated Disc / 320	Ventilated Disc / 320	Ventilated Disc / 320	Ventilated Disc / 320	Ventilated Disc / 320	Ventilated Disc / 320	Ventilated Disc / 320	Ventilated Disc / 320
Drag Cd / A / Cd x A	- / m² / m²	0,35 / 2,5 / 0,88	0,35 / 2,5 / 0,88	0,35 / 2,5 / 0,88	0,35 / 2,5 / 0,88	0,35 / 2,5 / 0,88	0,35 / 2,5 / 0,88	0,35 / 2,5 / 0,88	0,35 / 2,5 / 0,88	0,35 / 2,5 / 0,88
Top speed	km/h	198	210	210	210	210	198	210	210	240
Top speed -option code 840-	km/h		221	220	232	228		220	220	
Acceleration 0-100 Km/h	s	11,5	8,5	8,9	7,2	7,5	10,2	7,4	7,7	6,6
Acceleration 0-1000 m	s	32,7	29,5	29,9	27,6	27,9	31,8	28,0	28,4	26,9
Accel 80-120 Km/h 4/5 Gear	s	10,9 / 13,9 / -	8,5 / 10,9 / -	- / - / -	7,3 / 8,9 / -	- / - / -	8,3 / 10,3 / -	5,7 / 6,9 / -	- / - / -	- / - / -
Weight ratio	kg/kW	15,0	10,8	11,0	8,7	8,8	15,9	11,3	11,3	8,9
Output per litre	kW/ltr	55,1	64,1	64,1	66,8	66,8	55,1	53,5	53,5	70,2
Fuel consumtion -EU urban-	ltr/100km	13,1	13,7	14,1	14,2	14,3	9,6	10,3	11,2	11,3
Fuel consumption -EU extra-urban-	ltr/100km	7,1	7,7	7,8	7,7	8,0	5,9	6,5	7,1	7,2
Fuel consumption KV01 / Range	ltr/100km / km	9,3 / 720	9,9 / 675	10,1 / 665	10,1 / 665	10,3 / 650	7,2 / 875	7,9 / 850	8,6 / 780	8,7 / 770
CO2-emission -EU-	g/km	223	238	243	243	248	191	210	229	232
Tyre type -front-	-	215/60 R17 96H M+S	235/55 R17 99H M+S	235/55 R17 99H M+S	235/55 R17 99H M+S	235/55 R17 99H M+S	215/60 R17 96H M+S	235/55 R17 99H M+S	235/55 R17 99H M+S	235/50 R18 97V
Tyre type -rear-	-	215/60 R17 96H M+S	235/55 R17 99H M+S	235/55 R17 99H M+S	235/55 R17 99H M+S	235/55 R17 99H M+S	215/60 R17 96H M+S	235/55 R17 99H M+S	235/55 R17 99H M+S	235/50 R18 97V
Front rim	-	7 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	7 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 18 Light alloy
Rear rim	-	7 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	7 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 17 Light alloy	8 J x 18 Light alloy
Wheel offset -front/rear-	mm	39 / 39	39 / 39	39 / 39	46 / 46	46 / 46	39 / 39	46 / 46	46 / 46	46 / 46
Radiator incl. heater / Engine oil exchange quantity	ltr	8,7 / 4,25	10,2 / 6,5	10,65 / 6,5	10,2 / 6,5	10,65 / 6,5	9,5 / 5,3	10,3 / 7,5	11 / 7,5	11,1 / 7,5
Transmission fluid -exchange quantity-	ltr	Permanent filling	Permanent filling	Permanent filling	Permanent filling	Permanent filling	Permanent filling	Permanent filling	Permanent filling	Permanent filling
Battery capacity / installed position	Ah/-	55 / Luggage comp.	70 / Luggage comp.	70 / Luggage comp.	70 / Luggage comp.	70 / Luggage comp.	80 / Luggage comp.	90 / Luggage comp.	90 / Luggage comp.	90 / Luggage comp.
Alternator output rating	A/W	110 / 1540	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100	150 / 2100