

BMW

U.S. Media Information

Technical Data

2015 BMW 7 Series

		740i Sedan	750i Sedan	750i xDrive Sedan
Engine type		N55B30O0	N63B44O1	N63B44O1
Transmission type		automatic transmission 8	automatic transmission 8	automatic transmission 8
No of Doors / Seats	/	4 / 5	4 / 5	4 / 5
Veh. length	mm / inch	5080 / 200	5080 / 200	5080 / 200
Veh. width	mm / inch	1902 / 74.9	1902 / 74.9	1902 / 74.9
Veh. height	mm / inch	1471 / 57.9	1471 / 57.9	1471 / 57.9
Wheelbase	mm / inch	3070 / 120.9	3070 / 120.9	3070 / 120.9
Turning circle	m / ft	12.2 / 40	12.2 / 40	12.5 / 41
Ground clearance	mm / inch	152 / 6	152 / 6	152 / 6
Shoulder width front	mm / inch	1503 / 59.2	1503 / 59.2	1503 / 59.2
Shoulder width rear	mm / inch	1458 / 57.4	1458 / 57.4	1458 / 57.4
Legroom front	mm / inch	1048 / 41.3	1048 / 41.3	1048 / 41.3
Legroom rear	mm / inch	987 / 38.9	987 / 38.9	987 / 38.9
Max. headroom front	mm / inch	1032 / 40.6	1032 / 40.6	1032 / 40.6
Max. headroom rear	mm / inch	978 / 38.5	978 / 38.5	978 / 38.5
Luggage comp. capacity	m³ / ft³	0,500 / 18	0,500 / 18	0,500 / 18
Fuel tank capacity	liter / gal	80 / 21.1	80 / 21.1	80 / 21.1
Curb weight (US)	Kg / lbs	1955 / 4310	2075 / 4575	2152 / 4745
Weight distribution (empty car)	F/R	49.8 / 50.2	51.1	47.6 / 52.4
Gross veh. weight	Kg / lbs	2515 / 5545	2601 / 5735	2660 / 5865
Payload	Kg / lbs	469 / 1035	469 / 1035	469 / 1035
Axle load limit front	Kg / lbs	1179 / 2600	1250 / 2755	1300 / 2865
Axle load limit rear	Kg / lbs	1415 / 3120	1424 / 3140	1429 / 3150
Engine type / Cylinders / Valves p.cyl.		in line, VANOS, Valvetronic / 6 / 4	V 90 ° VANOS, Valvetronic / 8 / 4	V 90 ° VANOS, Valvetronic / 8 / 4
Engine management		MEVD 17.2.6	MEVD 17.2.H	MEVD 17.2.H
Induction		Single Twin Scroll Turbo	Twin Turbo	Twin Turbo
Injection type / Injection technique		High precision direct injection	High precision direct injection	High precision direct injection
Displacement	cm³ / inch ³	2979 / 182	4395 / 268	4395 / 268
Stroke	mm / inch	89.6 / 3.5	88.3 / 3.5	88.3 / 3.5
Bore	mm / inch	84 / 3.3	89 / 3.5	89 / 3.5
Engine power / at rpm	hp @ rpm	315 / 5800-6000	445 / 5500-6000	445 / 5500-6000
Engine torque / at rpm	ft lbs (Nm) @ rpm	330 (450) / 1400-4500	480 (650) / 2000-4500	480 (650) / 2000-4500
Compression rate / Fuel type (recomm.)	1 / 1	10.2 / Premium	10 / Premium	10 / Premium
Type of transmission		8HP45	8HP70	8HP70
Gear ratios 1st gear		4.714	4.714	4.714
2nd gear		3.143	3.143	3.143
3rd gear		2.106	2.106	2.106
4th gear		1.663	1.663	1.663
5th gear		1.285	1.285	1.285
6th gear		1	1	1
7th gear		0.839	0.839	0.839
8th gear		0.667	0.667	0.667
Reverse gear		3.295	3.317	3.317
Final drive		3.077	2.813	2.813
Steering type / Steering ratio	/ : 1	rack-and-pinion / 17.1	rack-and-pinion / 17.1	rack-and-pinion / 19.1
Front brake // Rotor Diameter	inch	disc ventilated / 13.7	disc ventilated / 13.7	disc ventilated / 13.7
Rear brake // Rotor Diameter	inch	disc ventilated / 13.6	disc ventilated / 13.6	disc ventilated / 13.6
Cd // Frontal	// m² / ft²	0.28 // 2.42 / 26.05	0.28 // 2.42 / 26.05	0.3 // 2.42 / 26.05
Top speed	Kmh / mph	210 / 130	210 / 130	210 / 130
Top speed optional	Kmh / mph	250 / 155	250 / 155	240 / 150
Acceleration 0-60 mph	s	5.6	4.7	4.6
Acceleration 0-100Kmh	s	5.9	4.9	4.8
Acceleration 0-1000m	s	25.4	23.1	23.3
Fuel cons. city (official EPA)	mpg	19	17	16
Fuel cons. highway (official EPA)	mpg	29	25	24
Fuel cons. combined (official EPA)	mpg	22	20	19
Range	miles	464	422	401
Front tires		245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100Y RSC
Rear tires		245/50 R18 100Y RSC	245/50 R18 100Y RSC	245/50 R18 100Y RSC
Front wheels		8J x 18 LM	8J x 18 LM	8J x 18 LM
Rear wheels		8J x 18 LM	8J x 18 LM	8J x 18 LM
Track front	mm / inch	1611 / 63.4	1611 / 63.4	1611 / 63.4
Track rear	mm / inch	1650 / 65	1650 / 65	1650 / 65