



BMW
ALPINA
B7
BITURBO
SALOON



MANUFACTURER OF
EXCLUSIVE AUTOMOBILES



harmony PERFECTED

The BMW ALPINA B7 Bi-Turbo Model Year 2014 has undergone a number of enhancements to coincide with BMW's update of the 7 Series. Besides discreet design changes to the front and rear, the new and dynamic ALPINA front spoiler is most noticeable. More significant though for those in the driver's seat however, are the substantial engine and transmission advancements. More power, more performance and more efficiency! The B7 Bi-Turbo now benefits from the newest ALPINA

V8 Bi-Turbo engine generation with 540hp and 538lbs-ft of torque. Power is transferred to the wheels via the new 8-Speed Sport Automatic transmission with SWITCH-TRONIC, which in combination with the engine's Valvetronic intake technology is responsible for higher efficiency and lower emissions. The BMW ALPINA B7 Bi-Turbo remains the benchmark in terms of luxurious performance, chassis technology and hand-finished exclusivity.





stylish EVOLUTIONARY

At once dynamic, graceful and potent - the silhouette of the B7 Bi-Turbo is significantly influenced by the design of the 21" ALPINA CLASSIC wheels. In true "form-follows-function" fashion, the typical ALPINA front integrates the airflow requirements of the transmission and engine oil coolers, which are separated out of the main cooler module for improved

performance. The design of the front and rear spoiler clearly follows aerodynamically-oriented interests, substantially reducing lift at the front and rear and ensuring high-speed stability. Left and right, the exhaust system's two double tailpipes are seamlessly integrated into the rear valance and underscore the B7 Bi-Turbo's potency.





high PERFORMANCE

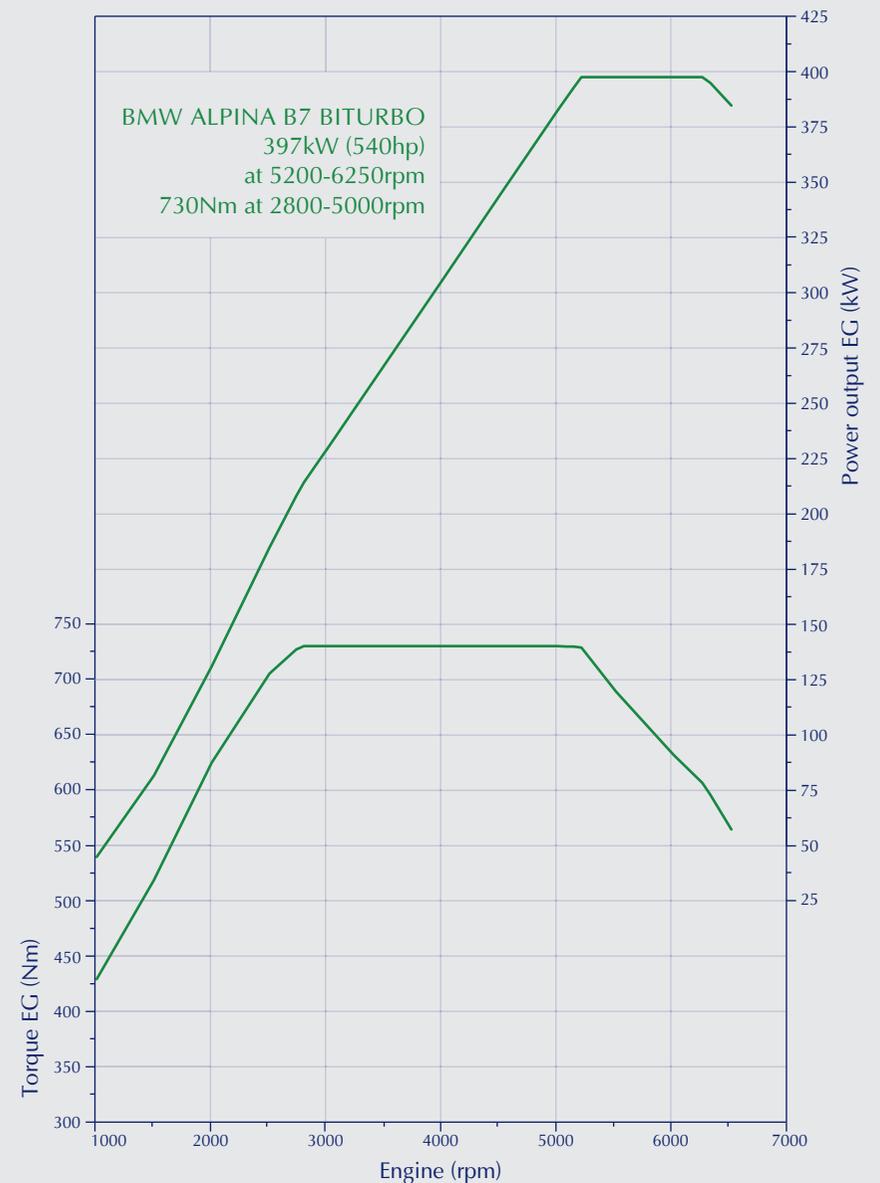
The proven 4.4l V8 engine in the B7 Bi-Turbo now yields 540hp (397kW) at a moderate 5200rpm and 538lbs-ft of torque. The B7 Bi-Turbo loves to accelerate fiercely and effortlessly from low revs: 85% of torque is available already below 2000rpm, with peak torque being available over an unusually broad range from 2800 to 5000rpm. This wide

power band coupled with the new 8-Speed Sport-Automatic transmission indulges the occupants with remarkably high levels of smooth drivetrain comfort in every driving situation. The ALPINA SWITCH-TRONIC, which has been programmed to shift exceptionally smooth and comfortable in Automatic Mode, offers different shift characteristics

for every taste and situation thanks to the additional Sport and Manual Modes. Driving the B7 Bi-Turbo becomes an altogether different experience when using the buttons found on the back of the steering wheel for manually selecting the gears of the automatic transmission. This ensures shifts take place within a few hundred milliseconds and with only minimal interruption to the transmission of power, favourably comparable even to the best twin-clutch transmissions. As a result, the new B7 Bi-Turbo sprints from 0 – 62mph in just 4.6 seconds, vehemently pressing on to a 194mph top speed.

For the first time, ALPINA combines its powerful, torque-laden flagship with an optional all-wheel-drive (not available in RHD) system for even more traction and active safety in every and any driving situation. The B7 Bi-Turbo with all-wheel-drive exploits the technical potential of BMW's xDrive System and its intelligent and dynamic distribution of drive power which continuously and fully variable distributes torque between the front and rear axle within milliseconds. ALPINA's unique mapping of the torque distribution markedly enhances driving dynamics and agility, especially when cornering, enabling unexpected levels of sporty handling. In addition to offering maximum available traction under acceleration, the system provides exceptional levels of active safety by constantly monitoring the driving situation and distributing torque accordingly.

PERFORMANCE AND TORQUE DIAGRAM BMW ALPINA B7 BITURBO

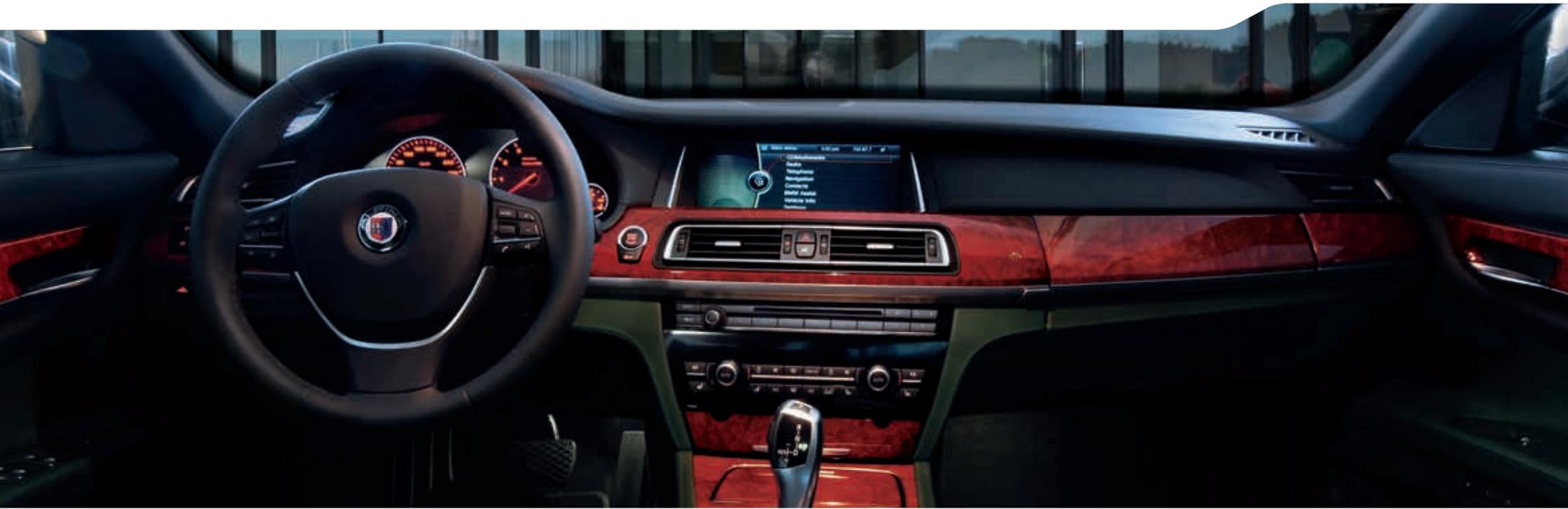




dynamic COMFORT

Shorter and stiffer sport springs at the front and carefully calibrated air suspension at the rear reduce front and rear ride height by 7mm and 5mm respectively. Together with the 21" wheel and tyre combination the suspension is at once sensitive to inputs and direct in its feel, imparting this luxury saloon with the agility usually only associated with much smaller sports saloons. The wheels carry a specially selected staggered MICHELIN Pilot Super Sport performance tyre set-up. Foregoing run-flat technology, conventional tyres are used to ensure a supple, comfortable ride that is rare today.

ALPINA have integrated state-of-the-art electronic suspension technologies, skilfully and subtly adjusting them to the demanding requirements of our customers. As part of the B7 Bi-Turbo standard equipment, the electronic suspension system with Adaptive Drive enable the driver to select from three distinct suspension set-ups: Comfort+, Comfort and Sport. The B7 Bi-Turbo offers the driver unheard-of versatility, delivering on long-distance comfort just as readily as on back-road pace, always with a maximum of enjoyment and safety.



luxurious CRAFTSMANSHIP

When taking seat in the B7 Bi-Turbo, one immediately takes note of the ALPINA door sill trims which are illuminated in blue. The SWITCH-TRONIC steering wheel is hand-stitched in the finest, most comfortable LAVALINA leather. In the driver's line of sight, red pointers over a field of blue dials grace the instrument cluster, where a Black-Panel LCD screen is responsible for communicating driver-important information. Exclusive interior luxury wood trim in the form of Myrtle Burl, a knotted burl of the Laurel only found on the Pacific Coast

of the United States, provides a warm and traditional ambience. Optional ALPINA Piano Lacquer interior trim with its silver diagonal rhombs, offers a modern and just as exclusive alternative. Discreet metal ALPINA emblems adorn the upper seatbacks of the standard leather comfort seats, as much a part of the comprehensive standard equipment as metallic paint or a navigation and communication system of the latest generation. Even the engine bay carries a subtle signature by tidily presenting itself with a newly-designed ALPINA engine cover.





TECHNICAL DATA

BMW ALPINA B7 BITURBO

Further information on specific fuel consumption and specific CO₂ emissions of new passenger cars is given in „Leitfaden über den Kraftstoffverbrauch, die CO₂-Emissionen und den Stromverbrauch neuer Personenkraftwagen“ which can be obtained free of charge at all points of sale and from the 'Deutsche Automobil Treuhand GmbH (DAT), Helmut-Hirth-Str. 1, 73760 Ostfildern-Scharnhausen'.

ENGINE

Cylinders		V8 90°
Capacity	cm ³	4395
Bore	mm	89.0
Stroke	mm	88.3
Compression ratio	: 1	10.0
Max output	kW/hp	397/540
at	rpm	5200-6250
Max torque	Nm/lbs-ft	730/538
at	rpm	2800-5000
Engine management		BOSCH
		MEVD 17.2.8
Fuel type		Super Plus
Emission classification		Euro 5

PERFORMANCE

		SALOON
Acceleration 0-100km/h / 0-62mph	s	4.6
Acceleration 0-200km/h / 0-125mph	s	14.1
Top speed	mph / km/h	194 / 312

FUEL CONSUMPTION

Urban	mpg / l/100km	20.9 / 13.5
Extra-urban	mpg / l/100km	36.2 / 7.8
Combined	mpg / l/100km	28.5 / 9.9
CO ₂ emissions	g/km	230
Efficiency category		E

TRANSMISSION

Gearbox	8-Speed Sport-Automatic (ZF 8HP70) with SWITCH-TRONIC			
Gearbox ratios	1st gear	4.71	5th gear	1.29
	2nd gear	3.14	6th gear	1.00
	3rd gear	2.11	7th gear	0.84
	4th gear	1.67	8th gear	0.67
	Reverse			3.32
	Final drive ratio	:1		2.81

DIMENSIONS

Length	mm	5092
Width	mm	1902
Height, unladen	mm	1485
Wheelbase	mm	3070
Track, front	mm	1621
Track, rear	mm	1628
Luggage capacity (DIN)	l	500
Fuel tank, approx.	l	80

WHEELS & TYRES

ALPINA CLASSIC weight-optimised light alloy wheels, 20-spoke design with concealed tyre valves behind lockable hub caps, with MICHELIN Pilot Sport PS2 tyres:			
Front	8.5 x 21" with	245/35 ZR21 REINF	
EU-tyre label*		E/A/  70 dB	
Rear	10 x 21" with	285/30 ZR21 REINF	
EU-tyre label*		E/A/  74 dB	

WEIGHT

Unladen (DIN)	kg	2040
Max permissible	kg	2660
Permitted load	kg	620
Max axle load, front	kg	1270
Max axle load, rear	kg	1425
Max trailer load, braked	kg	2100
Max trailer load, unbraked	kg	750

*EU-tyre label = fuel efficiency/wet grip/external rolling noise class.

Modifications and errors excepted.



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ALPINA
DEALERSHIPS

The models in this brochure may show the specification for the German market (LHD version). In part, they include optional equipment and accessories not fitted as standard. For precise information on model features and equipment, please contact your ALPINA dealer or importer. Subject to change in design and equipment. April 2013

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ALPINA

ALPINA RECYCLING

Your BMW ALPINA is part of an all-embracing recycling concept. Recycling demands are already considered early in the development process of a BMW ALPINA. An example of this is in the selection of materials – they are chosen, such that they are environmentally friendly and easily recyclable, using a minimum of resources to do so. Every BMW ALPINA is built so that it is easily and cost-effectively recyclable at the end of its useable life span. All this occurs in close co-operation between BMW and ALPINA. BMW Group have built a European-wide redemption and recycling infrastructure, and require high quality and environmental standards. For return of your automobile for the purposes of recycling, please contact your BMW ALPINA partner. They are ready to help. For further information about recycling firms and redemption locations, please see www.bmw.com



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