



AUTOMOBILE MASTERPIECES *since 1965*

BMW ALPINA B6 BITURBO

COUPÉ
CONVERTIBLE



Dynamic
AND ELEGANCE
PERFECTLY MATCHED





powerful APPEARANCE ...

ALPINA bestows the BMW ALPINA B6 Bi-Turbo models a unique, powerful appearance, which emphasises the sporting character of these striking automobiles purposefully but discreetly. The Convertible features a traditional soft-top which opens within seconds at the touch of a button, putting you into a mode of heightened sense of awareness - especially to the wonderful sound of the V8 exhaust note. The Coupé

appears concentrated and muscular, its stance and presence transport its eagerness to unleash its power in an extraordinary manner. Pursuant to the tradition laid down by great coupés from Buchloe, the BMW ALPINA B6 Bi-Turbo is no exception. In fact it represents the pinnacle of athleticism and performance in the ALPINA universe.



Open air INDULGENCE

High-performance convertibles and coupés place special demands on their chassis – requiring distinct levels of comfort for easy cruising, safe and neutral handling at high speeds and light-footed agility for country road excursions. In order to do justice to this broad spectrum of requirements, the BMW ALPINA B6 Bi-Turbo features the latest

electronic suspension technologies which meet even highest standards of sportiness and comfort. Warm ambience, premium materials and the fulfilment of personal wishes guarantee well-being and comfort in the interior. The BMW ALPINA B6 Bi-Turbo – exciting details, modern aerodynamics, brilliant sound, dynamics and elegance – perfectly balanced.



first class PERFORMANCE *and* ECONOMY

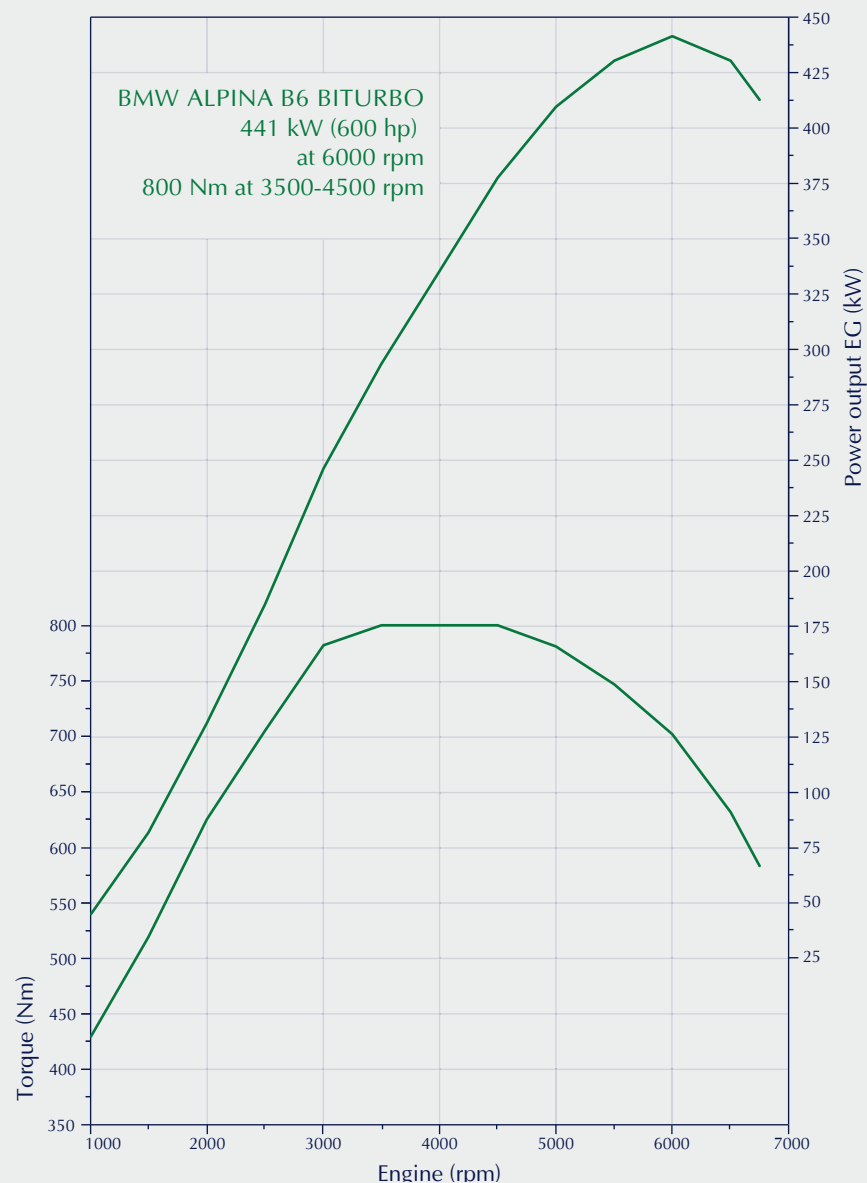
The BMW ALPINA B6 Bi-Turbo is powered by a 4.4 litre V8 Bi-Turbo engine – known amongst aficionados as the embodiment of power, torque and refinement. It delivers 441 kW (600 hp) at 6000 rpm and a maximum torque of 800 Nm at only 3500 rpm.

Two specifically constructed large diameter turbo-chargers operating in parallel are primarily responsible for achieving a high power and torque output over a very broad rpm range without sacrificing spontaneous throttle response at low rpm.



The comprehensive high-performance cooling system comprises an indirect inter-cooling system (air-to-water/water-to-air) with short intake tracts and increased inter-cooler flow. The systems excellent thermodynamic efficiency is guaranteed by a large-volume low temperature inter-cooler radiator, as well as two water-to-air intercoolers placed close to the engine. High-performance MAHLE pistons are designed specifically to deal with temperatures and pressures associated with up to 1.4 bar charging and the engine's 10:1 nominal compression ratio. Direct injection and Valvetronic contribute to the BMW ALPINA B6 Bi-Turbo's class-leading performance, emissions and economy in this segment: 9.4 - 9.6 l/100 km and 219 - 224 g/km CO₂ (Combined cycle measured according to ECE Norm).

PERFORMANCE AND TORQUE DIAGRAM BMW ALPINA B6 BITURBO



TRANSMISSION

Adapted and tested in co-operation with ZF, the advanced SWITCH-TRONIC 8-Speed Sport Automatic Transmission sets a new benchmark. With ALPINA's philosophy the guiding credo, our engineers have spent thousands of development and test hours ensuring that no other sport automatic transmission comes close to providing this level of both comfort and performance.

The blend of eight speeds and plenty of torque makes for unparalleled comfortable gear changes with no noticeable interruption to the delivery of power – only the accompanying acoustics and the rev counter provide feedback as to the workings of the transmission. 800 Nm of torque means the BMW ALPINA B6 Bi-Turbo excels at cruising along at speed in a high gear at minimum rpm, benefiting both consumption and comfort.

The innovative single-cylinder fade-out enables super quick up-shifts which take just milliseconds. The advantages versus the typical method of timing retardation are noticeably quicker shifts, improved thermo-dynamic efficiency due to reduced exhaust temperatures and lower fuel consumption. Each upshift is accompanied by a deep back-pressure burble. The intelligent coupling of state-of-the-art engine and transmission technologies give the BMW ALPINA B6 Bi-Turbo stunning performance figures: 0-100 km/h in 4.2 seconds and a top speed of 330 km/h (Convertible: 327 km/h).



exciting SPORTINESS, *relaxed* COMFORT

To fulfil the seemingly contradictory demands for comfort, everyday usability and sports car like handling, the BMW ALPINA B6 Bi-Turbo is equipped with electronically-adjustable dampers (Variable Damper Control) and active roll stabilisation (Dynamic Drive). This system has been artfully calibrated by ALPINA, and is tied into other system parameters controlling steering assistance, torque cushioning and the Dynamic Stability Control system. Featuring pronounced Comfort+, Comfort, Sport and Sport+ modes, the BMW ALPINA B6 Bi-Turbo transitions effortlessly from cultivated luxury to thorough-bred sportiness.

Light steering, ultracomfortable suspension and an imperceptibly shifting transmission make the

BMW ALPINA B6 Bi-Turbo an ideal partner in stop-and-go traffic, when covering great distances or when encountering less than perfect road surfaces. Yet at the touch of a button, this performance coupé will track through tricky corners and exciting sections of road with an agility and light-footedness like no other in its class.

Especially developed in cooperation between ALPINA and Drexler Motorsport, a mechanical limited-slip differential improves traction during dynamic driving and minimises slip by distributing torque and power to the wheel with the most grip. The operation of the limited slip differential is permanent and independent from other driving dynamic settings or systems.

A real highlight of the BMW ALPINA B6 Bi-Turbo is the lightweight exhaust system. Developed in collaboration between ALPINA and Akrapovic, it is made entirely from high-strength titanium. Faithful to the guiding principle of 'form follows function', the entire system is laudable not only for its acoustics and appearance, but also for its weight-reduction of 45% and its detailed technical refinements. In interaction with the powerful engine, the exhaust system generates a backdrop of deep, sonorous eight-cylinder sound – powerful and sporty, but never obtrusive, due to intelligent, controllable exhaust valves. These offer the driver a special degree of influence over the sound experience, and can be controlled using the Drive Performance Control.







classic CRAFTSMANSHIP *meets modern* TECHNOLOGY

The interior reveals the expected discreet touches that suggest the BMW ALPINA B6 Bi-Turbo's exclusive pedigree. The standard equipment level is comprehensive: leather interior, versatile and adjustable Comfort seats, an excellent navigation system with Bluetooth hands-free device and ambient interior lighting all ensure the driver's and passengers' well-

being. The hand-stitched LAVALINA leather SWITCH-TRONIC steering wheel can be positioned exactly as needed to see the blue ALPINA gauges. The deep black ALPINA Piano Lacquer interior trim appears elegant and modern. Also available is the ALPINA burlled Myrtle wood trim, a classic and just as exclusive alternative.

TECHNICAL DATA

BMW ALPINA B6 BITURBO

This is a translation of the original German brochure which fulfils the requirements of German law. All technical data in this brochure apply to the German market, additional international units of measure shown in the technical data for the purposes of information only.

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'.

¹ The figures are determined using the prescribed measuring methods (ECE-R 101 in its current version)

² The figures quoted includes a 90 % tank filling, 68 kg for the driver an 7 kg for luggage. Unladen weight applies to vehicles with standard equipment. Optional equipment may increase this figure.

³ EU-tyre label = fuel efficiency/wet grip/external rolling noise class.





Modifications and errors excepted.

ENGINE			PERFORMANCE			COUPÉ	CONVERTIBLE
Cylinders	V8 90°		Acceleration				
Capacity	cm ³	4395	0-100 km/h / 0-62 mph	s	4.2	4.2	
Bore	mm	89.0	Acceleration				
Stroke	mm	88.3	0-200 km/h / 0-125 mph	s	12.7	12.9	
Compression ratio	: 1	10.0	Top speed	km/h	330	327	
Max output	kW (hp)	441 (600)		mph	205	203	
at	rpm	6000					
Max torque	Nm / lbs-ft	800 / 590					
at	rpm	3500-4500					
Engine management	BOSCH						
	MEVD 17.2.H						
Fuel type	Super Plus / 98-octane						
Emission classification	Euro 6						

TRANSMISSION				FUEL CONSUMPTION ¹			COUPÉ	CONVERTIBLE
Type	8-Speed Sport-Automatic (ZF 8HP70) with SWITCH-TRONIC			Urban	l/100 km	12.9	13.2	
					mpg	21.9	21.4	
Transmission ratios : 1	1st gear	4.71	5th gear	1.29	Extra-urban	l/100 km	7.4	7.5
	2nd gear	3.14	6th gear	1.00		mpg	38.2	37.7
	3rd gear	2.11	7th gear	0.84	Combined	l/100 km	9.4	9.6
	4th gear	1.67	8th gear	0.67		mpg	30.1	29.4
	Overall gear ratio			7.0	CO ₂ emissions combined	g/km	219	224
	Reverse gear ratio	:1	3.32		CO ₂ efficiency (Germany)		E	E
	Final drive ratio	:1	2.81					

DIMENSIONS		COUPÉ	CONVERTIBLE
Length	mm	4894	4894
Width	mm	1894	1894
Height, unladen	mm	1375	1371
Wheelbase	mm	2855	2855
Track, front	mm	1594	1594
Track, rear	mm	1623	1623
Luggage capacity	l	460	300-350
Fuel tank, approx.	l	70	70

WEIGHT		COUPÉ	CONVERTIBLE
Unladen (EU) ²	kg	1945	2095
Max permissible	kg	2320	2430
Permitted load	kg	450	410
Max axle load:			
front	kg	1165	1180
rear	kg	1225	1315

WHEELS & TYRES			
ALPINA CLASSIC 20" with MICHELIN Pilot Sport 4 S:			
Coupé:			
Front	8.5 x 20" with	255/35 ZR20 (97Y) EL	
EU-tyre label ³		E/A/  71 dB	
Rear	10 x 20" with	295/30 ZR20 (101Y) EL	
EU-tyre label ³		C/A/  73 dB	
Convertible:			
Front	8.5 x 20" with	255/35 ZR20 (97Y) EL	
EU-tyre label ³		E/A/  71 dB	
Rear	10 x 20" with	295/30 ZR20 (101Y) EL	
EU-tyre label ³		C/A/  73 dB	



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

ALPINA

The models illustrated in this brochure may show the specifications of vehicles produced for Germany or another market. In part, the specifications include optional equipment and accessories not fitted as standard. According to the specific requirements of other markets or countries, alterations in models, standard and optional equipment may occur. Not all model versions, for example all-wheel drive, may be available in your market or country. This is a translation of the original German brochure which fulfils the requirements of German law. All technical data in this brochure apply to the German market, additional international units of measure shown in the technical data for the purposes of information only. For precise information on model features, equipment, fuel consumption and CO₂ emissions as they apply to your country please contact your local BMW ALPINA dealer or importer. Subject to change in design, equipment and technical data. March 2017 © ALPINA

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