



MANUFACTURER OF
EXCLUSIVE AUTOMOBILES

AUTOMOBILE MASTERPIECES *since 1965*

BMW ALPINA D5 S

SALOON AWD (*left-hand drive*)

TOURING AWD (*left-hand drive*)

perfectly BALANCED

In 1999 ALPINA developed the BMW ALPINA D10 BITURBO, at that time the most powerful diesel saloon in the world. The new BMW ALPINA D5 S now represents the third generation of high-performance diesel-powered automobiles based on the sleek BMW 5 Series. True to ALPINA's core philosophy, the BMW ALPINA D5 S successfully combines exceptional performance, driving comfort and efficiency.

The 3.0 litre straight-six cylinder engine delivers an impressive output of 285 kW (388 hp) between 4000 and 5000 rpm. A maximum torque of 800 Nm is available between 1750 and 2650 rpm.

Accelerating from 0 to 100 km/h takes just 4.4 seconds, the sprint to 200 km/h is completed in 17.0 seconds. With a top speed of 286 km/h the BMW ALPINA D5 S is one of the fastest series production diesels available today.

State-of-the-art suspension technology enables the perfect balance between dynamic handling and long distance driving comfort. The ALPINA sport suspension with electronically adjustable dampers combined for the first time with a performance-oriented all-wheel-drive system ensures excellent traction, outstanding driving safety and maximum performance in every situation.

The powerful and stylish design of the new BMW ALPINA D5 S clearly shows the ALPINA family affiliation. The modern form is perfectly supplemented by the ALPINA aerodynamic components, which provide excellent high speed stability. The new BMW ALPINA D5 S impresses with muscular proportions and elegance – an athlete in a tailor-made suit.





- ALPINA CLASSIC 20" FORGED WHEELS

Forging results in high-density and high-strength aluminium alloy which enables a weight-optimized construction resulting in a saving of over 15 kg or nearly 25 % compared to cast aluminium wheels of the same size.





ALPINA
BMW
D55
D OAL DY 452

ALPINA

BMW
D OAL DX

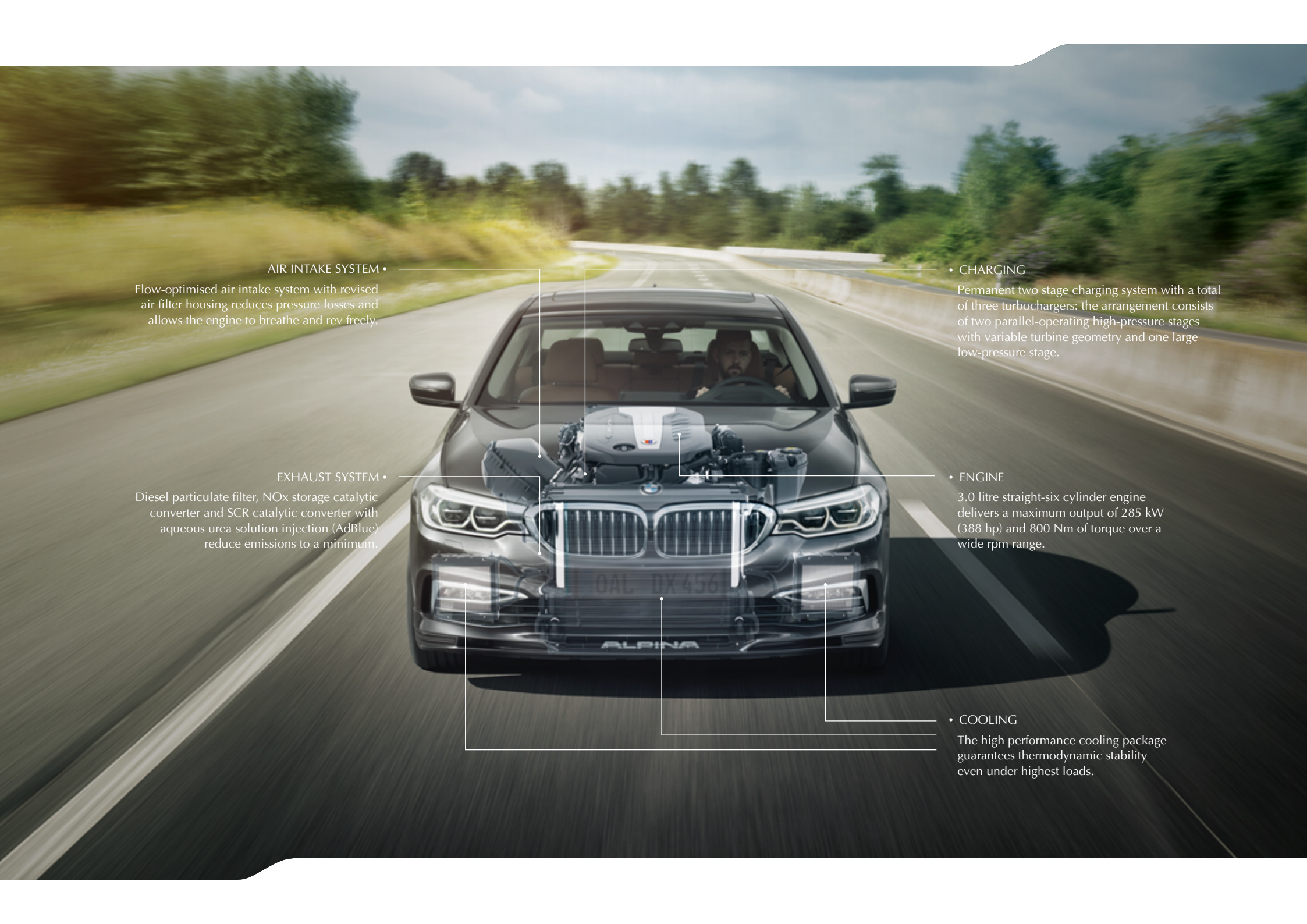
THE SPORTDIESEL

The new BMW ALPINA D5 S has the most powerful diesel drivetrain ever to feature in a BMW ALPINA automobile. The 3.0 litre straight-six cylinder engine with three turbochargers and common rail high-pressure direct injection delivers an impressive output of 285 kW (388 hp) between 4000 and 5000 rpm. A class-leading maximum torque of 800 Nm is available between 1750 and 2650 rpm.

The permanent two stage charging system comprising a total of three turbochargers is responsible for a responsive throttle and energetic power build-up while also ensuring that overall maximum power output is achieved. The arrangement consists of two high-pressure stages with variable turbine geometry and one large low-pressure stage.

Power delivery is smooth, effortless, and – for a diesel – unusually dynamic over the entire rpm range. This is in part due to a flow-optimised air intake system with revised air filter housing which reduces pressure losses, allowing the engine to breathe and rev freely.

The resulting performance figures are outstanding. Accelerating from 0 to 100 km/h takes just 4.4 seconds, the sprint to 200 km/h is completed in 17.0 seconds. A top speed of 286 km/h makes the BMW ALPINA D5 S one of the fastest series production diesels available today.



AIR INTAKE SYSTEM •

Flow-optimised air intake system with revised air filter housing reduces pressure losses and allows the engine to breathe and rev freely.

EXHAUST SYSTEM •

Diesel particulate filter, NOx storage catalytic converter and SCR catalytic converter with aqueous urea solution injection (AdBlue) reduce emissions to a minimum.

• CHARGING

Permanent two stage charging system with a total of three turbochargers: the arrangement consists of two parallel-operating high-pressure stages with variable turbine geometry and one large low-pressure stage.

• ENGINE

3.0 litre straight-six cylinder engine delivers a maximum output of 285 kW (388 hp) and 800 Nm of torque over a wide rpm range.

• COOLING

The high performance cooling package guarantees thermodynamic stability even under highest loads.

POWER *and* EFFICIENCY

For optimum power transmission the new BMW ALPINA D5 S is equipped with the latest generation 8-Speed Sport Automatic Transmission 8HP75 with ALPINA SWITCH-TRONIC. Specifically refined and adapted to the torque and performance of the straight-six cylinder diesel engine it offers exceptional shift comfort.

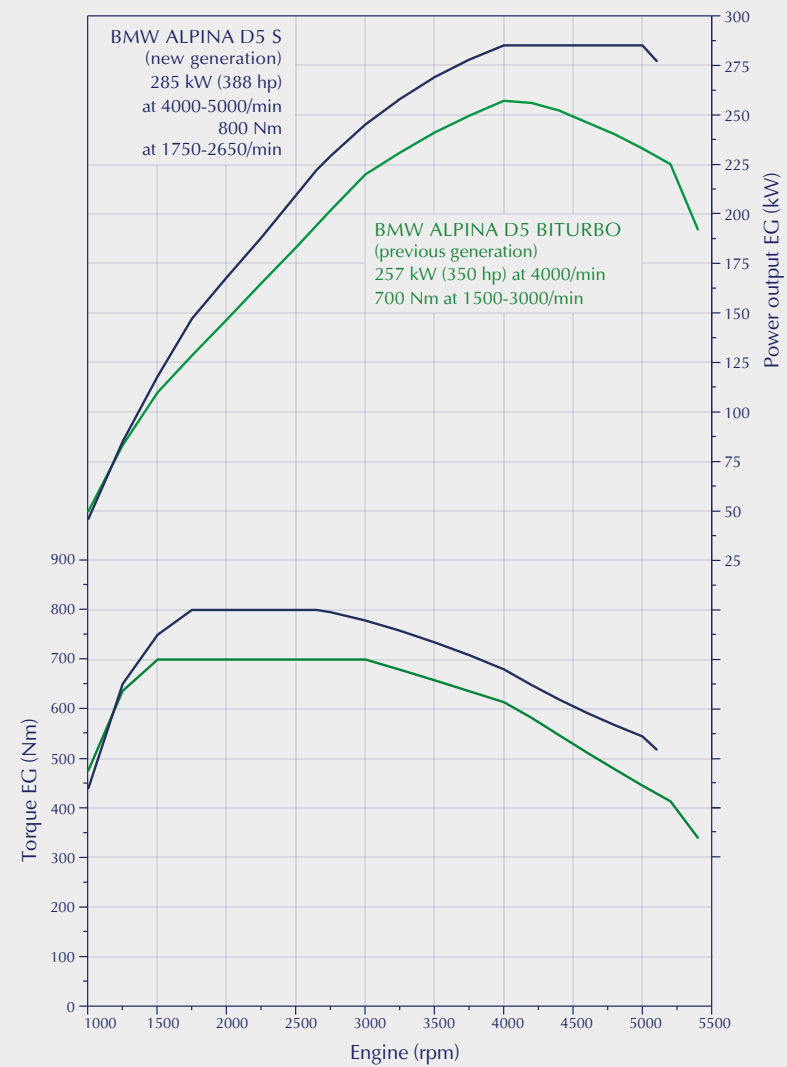
More output requires more cooling. The high performance cooling package of the new BMW ALPINA D5 S is designed for maximum effectiveness. Large volume coolers and optimised coolant hosing allow high throughput rates. An indirect intercooler set-up keeps air intake distances short. A primary air-water cooler located in front of the engine supplies a large volume water-air intercooler. Additionally three external coolers and a transmission oil cooler guarantee thermodynamic stability even under highest loads.

For ALPINA, low consumption and emissions has always been a central theme. Naturally, the new BMW ALPINA D5 S features the latest in exhaust gas treatment technology. In addition to a diesel particulate filter and a NOx storage catalytic converter, a SCR catalytic converter with aqueous urea solution injection (AdBlue) reduces emissions to a minimum.

Fuel consumption in the combined cycle measured according to ECE norms is 7.3 l/100 km with CO₂ emissions of 192 g/km. The new BMW ALPINA D5 S is homologated according to the latest exhaust emissions standard Euro 6d.



PERFORMANCE AND TORQUE DIAGRAM BMW ALPINA D5 S



SPORTIVE, COMFORTABLE – *no* COMPROMISES

The new BMW ALPINA D5 S is fitted with the latest suspension technology offering a broad spectrum of driving experiences. ALPINA's chassis engineers set themselves the goal of refining agility and lateral dynamics further, while maintaining first class ride comfort.

Electronically controlled dampers allow a pronounced range of adjustment. Using the Driving Experience Control the driver can select a number of modes, including Sport+ Mode for maximum dynamics or Comfort+ Mode for all-out ride-comfort.

The new BMW ALPINA D5 S is optionally available with an ALPINA Sport Plus suspension package – this comprises Integral Active Steering (rear-wheel steering) and active roll stabilisation (Dynamic Drive). The electromechanical rear-wheel steering system allows

the rear wheels to apply up to a maximum of ± 2.5 degrees of steering angle – either in opposite direction to the front wheels at low speed for more agility, or in the same direction as the front wheels at higher speeds for improved stability.

For the first time the BMW ALPINA D5 S 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 for maximum traction and control. The ALPINA programming of the torque distribution control offers an even more pronounced rear wheel drive torque distribution and allows for more slip when driving at the limit which emphasizes the sportive character while maintaining balanced and neutral handling.

INTEGRAL ACTIVE STEERING •
Electromechanical rear-wheel steering system, maximum agility in all situations (optional)

DYNAMIC DRIVE •
Active roll stabilisation effectively eliminates body roll (optional)

SUSPENSION •
Sport springs for great chassis control and lower centre of gravity (Touring with rear axle air suspension)

TYRES •
PIRELLI super high-performance tyres for excellent traction, dynamics and lateral grip

BRAKE SYSTEM •
Brembo 4-piston fixed brake callipers with Ø 395 mm discs at the front

• STEERING
Variable ratio electromechanical steering

• ALL-WHEEL-DRIVE
Performance-oriented All-Wheel-Drive (xDrive) for neutral and agile handling

• SUSPENSION
Electronically adjustable dampers, sharp dynamics and maximum ride comfort

• TRANSMISSION
ZF 8HP75 transmission with ALPINA SWITCH-TRONIC Automatic Mode for relaxed, luxurious cruising and Manual Mode for super fast shift times

• FRONT AXLE
ALPINA specific front axle wishbones for neutral handling, optimum lateral grip and direct steering



unmistakable ALPINA

The appearance of the new BMW ALPINA D5 S is defined by an athletic flair and natural elegance. ALPINA design and aerodynamic elements emphasize the performance character and strike a harmonious balance, which underlines the powerful shape of the modern BMW 5 Series.

Large openings at the front of the vehicle allow the flow of air to the individual components of the high-performance cooling system. The active BMW kidney grill closes when cooling permits in order to improve the aerodynamic drag coefficient. ALPINA aerodynamic components reduce uplift on the front and rear axle to almost zero for maximum driving stability at all speeds.

Engineering finesse meets timeless design. The ALPINA CLASSIC 20" forged wheels with unmistakable twenty spokes and minimalistic design lead to a significant reduction (nearly 25%) of unsprung masses which in combination with especially for ALPINA developed Pirelli super high performance tyres benefits handling, steering feel and comfort.

Exclusive paint finishes in ALPINA Blue metallic and ALPINA Green metallic are a hallmark feature reserved solely for BMW ALPINA automobiles. Other BMW and BMW Individual paint finishes are likewise available.



PERSONALISATION *through finest* CRAFTSMANSHIP

The interior of the new BMW ALPINA D5 S offers a welcoming ambience dominated by highest quality materials and a modern clarity. An extensive range of standard equipment ensures the very highest level of well-being and comfort, including electronically adjustable comfort seats, 2-zone auto climate control, park distance control and the latest BMW navigation, communication and infotainment systems.

A full-colour digital instrument panel in LED technology features a standalone ALPINA design. In Comfort Mode it shows classic instruments with a blue background, red needles and clearly legible figures. In Sport Mode the display changes to a dynamic style with green drag indicators. It is also possible to select an Eco Pro Mode.

A hallmark ALPINA feature is the centrally positioned permanent digital speed indicator.

Discreet ALPINA details add a touch of exclusive individual style to each interior. The hand-crafted ALPINA sports steering wheel made of particularly high-quality LAVALINA leather with blue/green stitching is captivating at the very first touch. Illuminated door sills, model designations and an individual production plaque are distinctive marks of the new BMW ALPINA D5 S. Several interior trim options exist, including timeless ALPINA Piano Lacquer or classic ALPINA Luxury Wood. New third option: ALPINA Luxury Wood Walnut Nature – whose rough cut surface is warm and modern at the same time.







TECHNICAL DATA

BMW ALPINA D5 S AWD LHD

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 Fuel consumption and CO₂ emissions measured according to currently valid Regulation (EC) 715/2007. The disclosed fuel consumption and CO₂ emissions are measured according to WLTP (Worldwide Harmonized Light-Duty Vehicles Test Procedure) and converted to NEDC (New European Driving Cycle) for comparison purposes. Depending on your country, vehicle related taxes or other duties may be based on fuel consumption and CO₂ emissions data which differs from that shown here.

² The figures quoted includes a 90 % tank filling, 68 kg for the driver and 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.





Data for left-hand drive only (data for BMW ALPINA D5 S right-hand drive upon request). Modifications and errors excepted.

ENGINE			PERFORMANCE			SALOON	TOURING
Cylinders	6 in line		Acceleration				
Capacity	cm ³	2993	0-100 km/h / 0-62 mph	s	4.4	4.6	
Bore	mm	84.0	Acceleration				
Stroke	mm	90.0	0-200 km/h / 0-125 mph	s	17.0	17.2	
Compression ratio	: 1	16.0	Top speed		km/h	286	283
Max output	kW (hp)	285 (388)			mph	178	176
at	rpm	4000-5000					
Max torque	Nm / lbs-ft	800					
at	rpm	1750-2650					
Engine management	BOSCH						
	DDE 8.3.2						
Fuel type	Diesel						
Emission classification	Euro 6d						

TRANSMISSION				FUEL CONSUMPTION ¹			SALOON	TOURING
Type	8-Speed Sport-Automatic (ZF 8HP75) with SWITCH-TRONIC			Urban	l/100 km	8.5	8.5	
					mpg	33.2	33.2	
Transmission ratios : 1	1st gear	5.00	5th gear	1.31	Extra-urban	l/100 km	6.6	6.6
	2nd gear	3.20	6th gear	1.00		mpg	42.8	42.8
	3rd gear	2.14	7th gear	0.82	Combined	l/100 km	7.3	7.3
	4th gear	1.72	8th gear	0.64		mpg	38.7	38.7
	Overall gear ratio			7.8	CO ₂ emissions combined	g/km	192	192
	Reverse gear ratio	:1	3.48	CO ₂ efficiency (Germany)		D	C	
	Final drive ratio	:1	2.81					

DIMENSIONS		SALOON	TOURING
Length	mm	4956	4956
Width	mm	1868	1868
Height, unladen	mm	1466	1466
Wheelbase	mm	2975	2975
Track, front	mm	1611	1611
Track, rear	mm	1596	1596
Luggage capacity	l	530	570-1700
Fuel tank, approx.	l	66	66

WEIGHT		SALOON	TOURING
Unladen (EU) ²	kg	1930	2035
Max permissible	kg	2470	2610
Permitted load	kg	580	600
Max axle load:			
front	kg	1230	1255
rear	kg	1325	1455
Max trailer load:			
braked	kg	2000	2000
unbraked	kg	750	750

WHEELS & TYRES			
ALPINA CLASSIC 20" with PIRELLI P ZERO (ALP):			
Saloon:			
Front	8,5 x 20" with	255/35 ZR20 (97Y) XL	
EU-tyre label ³		E/B/  74 dB	
Rear	10 x 20" with	295/30 ZR20 (101Y) XL	
EU-tyre label ³		E/B/  74 dB	
Touring:			
Front	8,5 x 20" with	255/35 ZR20 (97Y) XL	
EU-tyre label ³		E/B/  74 dB	
Rear	10 x 20" with	285/30 ZR20 (99Y) XL	
EU-tyre label ³		E/B/  74 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. July 2018 © ALPINA

| www.ALPINA.DE

| www.ALPINA-CONFIGURATOR.DE

| www.FACEBOOK.COM/ALPINA-AUTOMOBILE

| www.YOUTUBE.COM/ALPINA-AUTOMOBILES

| ALPINA Burkard Bovensiepen GmbH + Co. KG • Alpenstraße 35-37 • 86807 Buchloe • +49 (0) 8241-5005-0