



1964 Aston Martin DB5 Saloon and Convertible Specifications

ASTON MARTIN LAGONDA LIMITED · NEWPORT PAGNELL · BUCKS · TELEPHONE: NEWPORT PAGNELL 29 · TELEGRAMS: ASTOMARTIA
NEWPORT PAGNELL · LONDON SHOWROOMS: 96/97 PICCADILLY · W1 · TELEPHONE: GROSVENOR 7747

Engine: Six-cylinder twin overhead camshaft. Bore 96 mm (3.78 in.) Stroke 92 mm (3.62 in.) Capacity 3995 cc (244 cu. in.) Triple S.U. carburetors with air box and micron filter. Compression ratio 8.9 : 1. 282 b.h.p. net at 5,500 r.p.m.

Cylinder Block: Cast in aluminium alloy. Centrifugally-cast chrome vanadium iron top seating wet liners.

Crankshaft: Forged in chrome molybdenum steel, statically and dynamically balanced. The shaft is carried in seven 2½ in. diameter (69.85 mm) steel backed, lead bronze bearings.

Cylinder Head and Valve Operation: Cast in aluminium alloy and incorporating fully machined hemispherical combustion chambers. Large diameter valves inclined to 80° included angle, with exhaust valve guides in direct contact with water. Twin overhead camshafts operate the valves direct through the medium of cyanide hardened nickel molybdenum steel tappets. Camshaft driven by two-stage Duplex roller chains with manually adjusted tensioners.

Pistons and Connecting Rods: Die-cast aluminium alloy. Three compression rings. One twin segment oil control ring, large diameter gudgeon pin located by circlips. Forged connecting rods in nickel chrome molybdenum steel, weight graded and balanced.

Lubrication System: By front mounted chain-driven oil pump and full flow filter. Oil cooler standard equipment

Cooling System: Cooling by pump and thermostatically controlled electric fan. Cross-flow radiator with separate header tank.

Ignition: High efficiency coil with ballast resistor. Distributor incorporating automatic advance and vernier adjustment.

Clutch: Hydraulically operated diaphragm clutch.

Gearbox: David Brown Aston Martin four-speed with spring-loaded reverse stop. Baulk ring synchromesh on 1st, 2nd, 3rd and top gears. Ratios: top, 1 : 1; 3rd, 1.25 : 1; 2nd, 1.85 : 1; 1st, 2.92 : 1; reverse, 2.52 : 1. Alternative five-speed all synchromesh gearbox. Ratios: top, 0.834 : 1; 4th, 1 : 1; 3rd, 1.23 : 1; 2nd, 1.76 : 1; 1st, 2.73 : 1; reverse 3.31 : 1.

Overdrive: Ratio 0.82 : 1. Optional extra, with four-speed gearbox.

Propeller Shaft: Needle roller bearing, dynamically balanced.

Final Drive: Hypoid rear axle. Ratio with four-speed gearbox 3.31 : 1. Alternative 3.54 : 1 ratio. With five-speed gearbox and four-speed with overdrive 3.77 : 1.

OVERALL RATIOS

	Four-Speed Gearbox			Five-Speed Gearbox	
Overdrive	-	-	3.09	Top	3.14
Top	3.31	3.54	3.77	4th	3.77
3rd	4.14	4.42	4.71	3rd	4.64
2nd	6.14	6.56	6.99	2nd	6.64
1st	9.67	10.34	11.01	1st	10.29

Suspension: Front: Independent, incorporating transverse wishbones and ball jointed king pin. Co-axial coil springs and large diameter telescopic shock absorbers.

Rear: Live axle mounted on parallel trailing links and located transversely by Watt linkage. Helical coil springs mounted behind axle. Large double acting piston type shock absorbers.

Steering: Rack and pinion steering, 16 in. diameter (40.64 cm) wood rimmed steering wheel. Column angle adjustable.

Brakes: Girling disc front and rear, tandem master cylinder, separate suspended vacuum servos for front and rear brakes. Floor mounted handbrake lever operating on rear discs. Fluid level and handbrake warning light.

Fuel System: Tank capacity: Standard, 19 Imperial galls. (86.4 litres, 22.8 U.S. galls.); Convertible, 16 Imperial galls. (72.7 litres, 19.2 U.S. galls.). Electrically operated reserve, 3 Imperial galls. (13.6 litres, 3.6 U.S. galls.). Twin S.U. high pressure electric fuel pump.

Exhaust System: Twin pipe system with four high efficiency silencers.

Wheels and Tyres: Dunlop centre-lock wire wheels with 5½ in. (13.9 cm) wide rims. 6.70 in. x 15 in. tyres.

Electrical Equipment: Lucas 12-volt system, 60-amp-hour battery with master switch. Heavy-duty ventilated A.C. alternator. Starter motor, distributor and oil-filled coil. Aston Martin electric window lifts, two-speed windscreen wipers and electric windscreen washer, operated by single control knob. Twin wind tone horns. Steering column finger-tip lever for operating self-cancelling flashing direction indicators, headlamp high and low beams and for flashing headlamps. Instrument panel illumination controlled by rheostat switch. Map reading and interior courtesy lights. Doors fitted with red safety lights in the rear edges. Cigar lighter. Under bonnet lamp. Large built-in headlamps with separate front parking lamps incorporating flashing direction indicators. Side flasher repeaters. Rear: Stop lamps and flashing direction indicators incorporating Day/Night intensity relay. Twin reversing lamps.

Instruments: Speedometer, Impulse Tachometer, oil pressure gauge, oil temperature gauge, water temperature gauge, fuel gauge with reserve warning light, ammeter and electric clock.

Heating and Ventilation: Comprehensive heating and ventilating system providing fresh air to driver or passenger's side at choice. Controls arranged for the whole heater output to be used for windscreen defrosting if required.

Body: 'Superleggera' magnesium aluminium alloy panelled tubular steel framed four-seated in unit with steel platform chassis. Body chassis unit completely rust proofed, sound insulated and undersealed. All seats upholstered in finest quality English hide.

Bucket type reclining front seats fully adjustable. Pile carpets throughout. Lockable glovebox. Sun visors. Passenger's grab handle. Wrap-round laminated safety glass windscreen. Framed door windows and opening quarter lights on saloons. Sundym glass throughout. Two petrol filler caps operated from interior. Ample luggage accommodation is provided in the rear boot with lockable lid and separate key. Heavy duty wrap-round bumpers. Attachment points for safety belts.

Spare Wheel and Tools: The Spare wheel is carried in a separate waterproof compartment underneath the boot floor. The tools are contained in a roll accommodated in the boot.

Jacking: By hydraulic jack engaging sockets adjacent to each wheel.

GENERAL DIMENSIONS:

	Convertible	Saloons
Wheelbase	8' 2"	8' 2"
Track: front	4' 6"	4' 6"
rear	4' 5½"	4' 5½"
Overall length	15' 0"	15' 0"
Overall width	5' 6"	5' 6"
Overall height	4' 5"	4' 4"
Ground clearance	6½"	6½"
Turning circle	34' 0"	34' 0"
Kerb weight	3,233 lb.	3,233 lb.

ASTON MARTIN DB5 CARACTÉRISTIQUES ABRÉGÉES

Moteur: 6 cylindres, arbre à cames en tête jumelés, carburateurs S.U. triples. Alésage 96 mm, course 92 mm, cylindrée 3995 cm³, compression 8,9, puissance 282cv à 5500 tr/mm, vitesse du piston 1012 m/mm.

Système D'Alimentation: Pompe d'alimentation électrique S.U. double, Capacités: Conduite intérieure 86,4 litres, Décapotable: 72,7 litres. Réserve pour les deux modèles: 13,6 litres. Essence: Supercarburant à 100 d'octane.

Embrayage: Borg and Beck à double disque de 228 mm, à commande hydraulique.

Boîte de Vitesses: Aston Martin 4 vitesses, 1re, 2e, 3e, 4e, synchronisées. Rapports: 4e: directe, 3e: 1,25, 2e: 1,85, 1re: 2,92, marche arrière: 2,52. Overdrive (sur option) 0,82.

Alternative: 5 vitesses 1re 2e 3e 4e 5e synchronisées 5e 0.834:1 4e 1:1 3e 1.23:1 2e 1.76 1re 2.7 marche arrière 3.31:1.

Transmission: Pont arrière hypoid, rapport: 3,31 ou sur option: 3,54, 3,77, avec overdrive: 3,77

Suspension: *Avant:* Indipendente, incorporando dei bracci trasversali, molle elicoidali, ammortizzatori a pistone.

Arrière: Bracci paralleli a articolazione trasversale, molle elicoidali, ammortizzatori a pistone.

Direction: Cravatta e pignone, volante di direzione a jante in legno, colonna di direzione a angolo regolabile.

Freins: Girling a disco, avanti e indietro, servo-freins sospesi separati per i freni avanti e indietro, freno a mano sulle ruote posteriori.

Roues et Pneus: Ruote a raggi Dunlop, pneumatici 6,70 - 15.

Equipement Electrique: Tensione 12v, luci a comando elettrico, lavavetro a due velocità, lavavetro elettrico, fari a lampeggiamento, lampada di lettura della carta, illuminazione sotto il cofano, lampade di retromarcia doppie, e numerosi altri accessori.

Carrosserie: Pannelli in alluminio o magnesio 'Superleggera' su telaio in tubo d'acciaio, quattro posti con chassis a piattaforma in acciaio. Completamente protetto contro la ruggine, insonorizzato e sotto il cofano trattato con un prodotto d'impermeabilizzazione. Garniture in cuoio, sedili avanti tipo baquet, parabrezza panoramico, tutti i vetri in vetro 'Sundym', volume interno 2,7 m³, cofano bagagli 0,4 m³ altezza libera tra i sedili e il pannello 910 mm, riscaldamento e ventilazione efficaci con numero di altri accessori.

	<i>Décapotable</i>	<i>Conduite intérieure</i>
Empattement	2490 mm	2490 mm
Voie: avant, arrière	1370 x 1360 mm	1370 - 1360 mm
Longueur hors tout	4570 mm	4570 mm
Largeur hors tout	1680 mm	1680 mm
Hauteur totale	1340 mm	1320 mm
Garde au sol	159 mm	159 mm
Diamètre de braquage	10-4 metres	10-4 metres
Poids en ordre de marche	1470 kg	1470 kg

ASTON MARTIN DB5 KURZANGABEN

Motor: 6 cilindri, 2 alberi a camme in testa, tre carburatori S.U., iniezione. Cilindrata 3995 cc, rapporto di compressione 8,9 : 1, 282 B.H.P. a 5.500 giri/min., velocità massima 1012 m/min., max.

Kraftstoffsystem: Due elettrici S.U., pompe, serbatoio: Tourenwagen 86,4 litri, Cabrio 72,7 litri, riserva per entrambi i modelli 13,6 litri. Rapporto di compressione Super, almeno 100 Ottani.

Kupplung: Borg and Beck 228 mm Doppelscheibenkupplung mit Öldruckbetätigung.

Getriebe: Aston-Martin Vierganggetriebe, alle Gänge vollsynchronisiert.

	<i>Übersetzung</i>	AUF WUNSCH <i>Übersetzung</i>
1. Gang	2,92 : 1	1 Gang 2,7 : 1
2. Gang	1,85 : 1	2 Gang 1,76 : 1
3. Gang	1,25 : 1	3 Gang 1,23 : 1
4. Gang	1 : 1	4 Gang 1 : 1
Overdrive (a.W.)	0,82 : 1	5 Gang 0,834 : 1
Rückwärtsgang	2,52 : 1	

Hinterachse: Hypoidverzahnt, Übersetzung 3,31 : 1, Wahlweise auch 3,54 : 1, 3,77 : 1, mit Overdrive 3,77 : 1.

Federung: *vorn:* Einzelradaufhängung, Querlenker, Schraubenfedern, Teleskopstoßdämpfer. *hinten:* Parallel-Zugstreben, Schraubenfedern, Kolbenstoßdämpfer.

Lenkung: Zahnstange und Ritzel, 406 mm Lenkarm mit Holzfelge, Lenksäuleneigung verstellbar.

Bremsen: Girling-Scheibenbremsen vorn und hinten, getrennte Bremsgeräte für Vorder- und Hinterradbremsen, mechanische Handbremse für Hinterräder.

Räder und Bereifung: Dunlop-Speichenräder, 6 70-15 Reifen.

Elektrische Ausstattung: 12 V-Anlage, elektrische Fensterheber, Zweigang-Scheibenwischer, elektr. Scheibenwaschanlage, Lichttaste, Kartenselampe, Motorraumbeleuchtung, zwei Rückfahrleuchten, sowie zahlreiche andere Ausrüstungsgegenstände.

Karosserie und Inneres: 'Superleggera'-Leichtmetallkarosserie, Stahlrohrrahmen auf Stahl-Bodenlage. Völlig rostgeschützt, schallisoliert und mit Unterschutze überzogen, Lederpolsterung, Sport-Vordersitze, Panoramawindschutzscheibe, alle Scheiben aus getöntem Glas, Innenraum 2,7 m³, Kofferraum 0,4 m³, Kopffreiheit 910 mm, wirksame Heizungs- und Belüftungsanlage, viele weitere Ausstattungen.

	<i>Cabrio</i>	<i>Tourenwagen</i>
Radstand	2490 mm	2490 mm
Spurweite: vorn	1370 mm	1370 mm
hinten	1360 mm	1360 mm
Wendekreis	10-4 metres	10-4 metres
Zul. Gesamtgw.	1761 kg	1761 kg
Länge	4570 mm	4570 mm
Breite	1680 mm	1680 mm
Höhe	1340 mm	1320 mm
Bodenfreih.	159 mm	159 mm
Leergewicht	1410 kg	1410 kg

ASTON MARTIN DB5 COMPENDIO DEI DATI TECNICI

Motore: 6 cilindri, due alberi a camme in testa, tre carburatori S.U., alesaggio 96 mm, corsa 92 mm, cilindrata 3995 cc, rapporto di compressione 8,9 : 1, potenza al freno 282 B.H.P. a 5.500 giri/min, velocità del pistone 1012 m/min, coppia max.

Alimentazione: Doppia pompa carburante elettrica S.U. Capacità serbatoio del carburante: Coupé 86,4 litri, Spider: 72,7 litri, Riserva per entrambi i modelli: 13,6 litri. Carburante: Super da 100 Ottani.

Frizione: Borg and Beck bidisco da 228 mm, con comando idraulico.

Scatola Cambio: Aston-Martin a 4 velocità tutte sincronizzate. Rapporti di trasmissione: 1 : 1 (IV), 1,25 : 1 (III), 1,85 : 1 (II), 2,92 : 1 (I), 2,52 : 1 Retromarcia, 0,82 : 1 Overdrive (A richiesta).

A Richiesta: 5 velocità tutte sincronizzate. Rapporti di trasmissione: 0,834 : 1 (V), 1 : 1 (IV), 1-23 : 1 (III), 1-76 : 1 (II), 2-7 : 1 (I).

Ponte Posteriore: Coppia conica ipoidale. Rapporti: 3,31 : 1 oppure a richiesta 3,54 : 1, 3,77 : 1, con Overdrive 3,77 : 1.

Sospensioni: *Anteriore:* A ruote indipendenti, trapezi, molle elicoidali, ammortizzatori telescopici. *Posteriore:* Biellaggio parallelo articolato, molle elicoidali, ammortizzatori a leva.

Sterzo: Pignone e cremagliera, volante di 406 mm di diametro e di legno, inclinazione della colonna del volante regolabile.

Freni: Girling a disco sia anteriormente che posteriormente, servofreno sospeso separato per i freni anteriori e posteriori, freno a mano sui posteriori.

Ruote e Pneumatici: Ruote a raggi Dunlop, pneumatici 6,70 - 15.

Impianto Elettrico: a 12 volt, vetri a funzionamento elettrico, tergicristallo a due velocità, lavavetro elettrico, fari a lampeggiamento, luce lettura mappe, luce sotto il cofano, luci doppie retromarcia, e parecchie altre luci.

Carrozzeria: 'Superleggera' di pannelli di lega di alluminio e tralicci di acciaio tubolare, a quattro posti, a struttura di acciaio portante. Perfettamente a prova di ruggine e ben isolata per quanto riguarda i rumori e l'acqua. Selleria in pelle, sedili anteriori individuali 'avvolgenti', parabrezza panoramico, Vetri Sundym, volume interno vettura 2,7 m³, capacità portabagli 0,4 m³, altezza per la testa 91 cm, efficace impianto di riscaldamento e ventilazione, e numerose altre luci.

	<i>Spider</i>	<i>Coupe</i>
Passo	2490 mm	2490 mm
Carreggiata: ant.	1370 mm	1370 mm
post	1360 mm	1360 mm
Lunghezza	4570 mm	4570 mm
Larghezza	1680 mm	1680 mm
Altezza	1340 mm	1320 mm
Distanza dal suolo	159 mm	159 mm
Diametro di sterzata	10-4 m	10-4 m
Peso in ordine di marcia	1470 kg	1470 kg