



*Mulsanne*



Mulsanne S is a sporting motor car that follows many of the traditions established by its worthy predecessors when the Bentley marque earned its sporting wings over half a century ago. The handling and sporting characteristics add to the pleasure of effortless driving.







## Style

The elegance of Mulsanne S creates an awareness of the motor car's presence in city traffic or in the brisk flow of motorway journeys.

The driver's environment creates a sense of unhurried enjoyment. Passengers too can share the relaxed atmosphere while mile after mile passes by at a surprising rate. The feeling of freshness and relaxation remains as strong at the end of the journey as it was when it started.

Motoring style has always been a dominant part of the Bentley attraction. Mulsanne S is a fine example of the marque's appeal.











## *Splendour*

The impressive blend of handcrafted straight-grained walnut veneers for the fascia and door cappings complement the superbly crafted leather seats to present the Mulsanne S driver with an unrivalled driving environment.

Clear, practical and well positioned driving instruments ensure the essentials are within fingertip reach and in good lines of visibility.

The interior splendour contributes much more than just comfort to driver and passengers.







# Bentley Mulsanne S

<b>Body Style</b>		4 door saloon
Number of seats		2 front, 3 rear
<b>Dimensions</b>		
Wheelbase		3061mm (120.5in)
Track front		1537mm (60.5in)
Track rear		1537mm (60.5in)
Overall length		5268mm (207.4in)
Overall width excluding door mirrors		1887mm (74.3in)
Overall height		1485mm (58.5in)
Ground clearance		165mm (6.5in)
Kerb weight		2245kg (4950lb)
Luggage boot capacity		0.55m <sup>3</sup> (19ft <sup>3</sup> )
<b>Engine</b>		
Position		Front longitudinal
Number of cylinders		8
Configuration		90° V
Bore and stroke		104.14mm × 99.06mm (4.1in × 3.9in)
Cubic capacity		6.75litres (411.75in <sup>3</sup> )
Compression ratio		9.0:1
Working cycle		4 stroke
Valve arrangement		Overhead
Camshaft	Number	1
	Position	Central between cylinder blocks
	Drive	Gear
Tappets		Self adjusting hydraulic
Spark plugs		NGK BPR 5EV
Firing order		A1, A3, B3, A2, B2, B1, A4, B4
Cylinder block material		Aluminium-silicon alloy
Cylinder liners		Wet, cast iron
Cylinder head material		Aluminium-silicon-manganese alloy
Crankshaft bearings – number		5
Oil filter system		Full flow disposable
Fuel injection system	Type	Bosch
	Control	Mechanical
	Pressure	483kPa (70lb/in <sup>2</sup> )
Fuel pumps	Number	2
	Position	1 under floor, 1 in fuel tank
Fuel octane		97
Air cleaner system		Paper element
Cooling system		50:50 water and antifreeze
Maximum power, and torque		Not disclosed
<b>Transmission</b>		
Type		Automatic
Coupling		Torque converter
Torque multiplication at stall		2.0:1
Ratio 3		1.0:1
2		1.48:1
1		2.48:1
R		2.08:1
Gear change type and location		Electric, switch on steering column
<b>Final Drive</b>		
Type		Hypoid
Ratio		2.69:1
Road speed per 1000 rpm		48.3kph (30mph)
<b>Electrical</b>		
Voltage/polarity		12V, negative earth
Battery capacity		68 amp/hr
Alternator		108 amps @ 13.5V
Fuses		1 × 4 amp, 12 × 10 amp 14 × 20 amp, 9 × 30 amp
		One thermal cut-out for centralised door locking system. Integral thermal cut-outs in window lifts and seat motors.

<b>Chassis</b>		Integral, with separate front and rear subframes
Construction		Ventilated disc
Brakes front	Type	279mm (11.0in)
	Diameter	1464.5cm <sup>2</sup> (227.0in <sup>2</sup> )
	Swept area	Disc
Brakes rear	Type	279mm (11.0in)
	Diameter	1845.2cm <sup>2</sup> (286.0in <sup>2</sup> )
	Swept area	Rolls-Royce Motor Cars Ltd
Make		2 powered hydraulic with anti-lock
Circuits, number and description		Manual to both rear discs
Parking brake	Type	Rack and pinion, power assisted
Steering	Type	16.9:1
	Overall ratio	
	Turns lock to lock	3.25
	Turning circle, wall to wall	11.67m (38.3ft)
Suspension front	Type	Independent; lower wishbone, upper stabiliser lever, anti-roll bar
	Springs	Coil
	Shock absorbers	Telescopic
Suspension rear	Type	Independent; semi-trailing arm, anti-roll bar, automatic ride height control
	Springs	Coil and auxiliary gas springs
	Shock absorbers	Strut
Wheels	Material	Aluminium alloy
	Rim size	165.1mm (6.5in)
	Diameter	381.0mm (15.0in)
Tyres	Type	Radial ply
	Size	235/70 R15
	Normal pressure front and rear	Dependent upon usage, see owner's handbook
<b>Capacities</b>		
Fuel tank		108 litres (23.75 Imp gals)
Engine sump with filter		9.9 litres (17.4 Imp pts)
Transmission		10.6 litres (18.6 Imp pts)
Final drive		2.3 litres (4.0 Imp pts)
Cooling system		18.0 litres (31.6 Imp pts)
Hydraulic systems		5.0 litres (8.75 Imp pts)
Air conditioning refrigerant		1.9kg (4.25lbs)
Steering system		0.74 litres (1.33 Imp pts)



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