

Bentley Mulsanne - Technical Specification Summary

Engine

Type: Twin-turbocharged V8

Installation: Front, longitudinal, rear-wheel drive

Construction: Alloy heads and block

Capacity: 6750cc

Power: 512PS / 505bhp / 377kW at 4200 rev/min

Torque: 1020Nm / 752 lb ft at 1750 rev/min

Performance & Economy

0-60 mph in 5.1 secs (0-100 km/h in 5.3s)

0-100 mph in 11.6 secs (0-160 km/h in 11.5s)

Max Speed: 184 mph (296 km/h)

Economy: 16.7 mpg (16.9 l/100km) Combined EU Cycle (figures are provisional and subject to Type Approval)

US EPA Cycle (fuel consumption figures will be advised following Certification)

CO₂ emission: 393 g/km (figure is provisional and subject to Type Approval)

Transmission

Type: Rear-wheel-drive

Gearbox: ZF 8-Speed automatic

Body & Chassis

Length: 5575mm (219.49in)

Width (mirrors folded): 1926mm (75.80in)

Height: 1521mm (59.88in)

Wheelbase: 3266mm (128.60in)

Front Track: 1615mm (63.58in)

Rear Track: 1652mm (65.03in)

Wheels / tyres (standard): 9J x 20in. with 265/45 ZR 20 tyres

(option): 9J x 21in. with 265/40 ZR 21 tyres

Kerb weight: 2585 kg (5700 lb)

Bentley Mulsanne – Standard Feature Specification

Drivetrain

- 6.75 litre twin-turbocharged V8
 - 512PS / 505bhp / 377kW at 4200 rev/min
 - 1020 Nm/752lbs ft at 1750 rev/min
 - Cam phasing and variable displacement – a first for the ultra-luxury sector
 - EU5 and LEVII emissions compliant
- 8-speed automatic transmission with electronic shift interface, sport mode and steering-wheel mounted paddleshift
- Rear-wheel drive

Chassis

- Mulsanne 20" light-alloy wheels with 265 x 45 x ZR20 tyres
- Double wishbone front suspension
- Multilink rear suspension with toe and brake reaction control. Uniquely developed for Mulsanne to handle extreme torque
- Electronically-controlled air springs with Continuous Damping Control (CDC) to continuously monitor and adjust the vehicle's damping, ensuring optimum control
 - Automatic ride height control sensitive to speed and load
- Servotronic speed-sensitive power steering with two settings selectable by Drive Dynamics Control
- Drive Dynamics Control – four driver-selectable settings for CDC and power steering

- Three standard modes: Bentley, Sport and Comfort
- A fourth mode, Custom allows driver to 'tune' system to a preferred driving style
- Electronic Stability Control (ESC) with ABS, traction control, hydraulic brake assist, electronic brake prefill and automatic hill-hold control
- Twin-booster braking system with ventilated discs and Electronic Brake force Distribution (EBD)
 - "Bentley" branded front brake calipers
 - Front brake discs: Two-piece assembly with 400mm diameter x 38mm thick iron disc and lightweight aluminium hub
 - Rear brake discs: 370mm diameter x 30mm thick iron disc with lightweight aluminium hub
 - Electronic Parking Brake with drive-away assist and hill hold feature.
- Choice of tyre repair/inflation kit or spacesaver spare wheel & toolkit

Body & Exterior

- Steel monocoque body structure with front and rear energy-absorbing crumple zones
- Aluminium closures
 - Superformed aluminium front wings
 - Aluminium bonnet
 - Aluminium doors with superformed structure and extruded aluminium side impact beams
- Composite polymer bootlid housing fully concealed antennae systems
- Painted radiator shell with bright stainless steel matrix grille and 2-D Bentley winged "B" badge
- Paintwork applied and polished by hand to a mirror-finish

- Choice of 28 paint colours especially selected for Mulsanne.
- Black matrix grille to lower bumper apertures
- Front wing vents with black matrix grille
- Polished stainless steel brightware to glass surrounds
- Polished stainless steel embellishers to doors and bumpers
- Door pillar finishers in steel with gloss black painted finish
- Polished stainless steel "Mulsanne" treadplates and commissioning plates
- Wide oval polished stainless steel exhaust tailpipes
- Twin bi-xenon projector headlamps with LED halo for supplementary main beam, light-sensing auto operation, daytime running light signature and integrated washer jets
- Floating-ellipse style, LED rear light clusters and discreet high-level stop lamp to rear screen
- Colour-keyed, electronically adjustable door mirrors with heating, power folding, reverse-dip, two memory positions, electrochromatic dimming and integrated puddle lamps
- Keyless entry system with chromed metal door handles and engine start button
- Soft close power latching to all doors for easy entry / exit
- Power boot lid operation with emergency releases inside boot and under rear seat
- Park distance control to front and rear with audible signal and graphics displayed via infotainment screen

Interior

- Hand-selected leather to all trimmed surfaces including seating, fascia, console, door panels, door pillars, parcel shelf, cantrails, headlining,

sunvisors, all stowage compartments and glovebox

- 24 'standard' colours in single tone or duo-tone combinations in four different styles (colour splits) allowing the customer to choose not just the colour scheme but the mood of the interior – from very elegant to sporty
- Specially developed, flat-cut and leather-bound carpet. Choice of 21 colours to match interior hide
 - Set of four carpet overmats to match cabin carpet, leather bound and with polished stainless steel fixings
- Choice of 23 seatbelt colours with buckles colour-matched to interior hides
- Veneer to fascia, continuous "Ring of wood" waistrails, centre console, rear centre armrest, and front & rear roof consoles in burr walnut, dark-stained burr walnut or piano black. Six further veneer species are available
- Bright finish interior fittings in polished stainless steel
- Unique, glass-effect switchgear
- Driver's instrument panel featuring inverted, aviation-style dials for vehicle and engine speed; Supplementary colour screen displaying a driver-configurable choice of navigation prompts, compass, infotainment, vehicle or trip information
- Minor gauges panel in centre fascia with fuel gauge, analogue clock with "Bentley Motors" inscription and coolant temperature gauge
- Concealed passenger-side map lamp
- Boot trimmed in leather and carpeted to match interior cabin with polished stainless steel sill plate

Comfort & Convenience

- Front seats with 12-way electrical adjustment, including lumbar support, two memory positions, easy entry/exit function and adjustable heating

- Front passenger seat – full adjustment from rear cabin. Controls housed in rear centre armrest
- Two-plus-one rear seat configuration with 8-way electrical adjustment to outboard seats, including lumbar support, two memory positions and adjustable heating
- Four-zone air conditioning including additional rear cabin A/C unit with front and rear controls for fan speed and temperature
- Traditional, polished stainless steel bullseye air vents & organ stop controls
- Four-spoke, hide trimmed, multi-function steering wheel with electric adjustment for tilt and reach with two memory positions, easy-entry function and paddle shift
- Twin front centre armrests with hide-lined storage and cordless telephone handset. (Telephone handset not available in North America and Japan)
- Electrical height adjustment for front seatbelts with two memory positions
- Cruise control
- Electrochromatic auto dimming interior rear view mirror with on/off button
- Remote-controlled three-button garage door opener integrated in roof console (Standard in North America, cost option in rest of world)
- Rain sensing windscreen wipers
- Sentinel headlamp functions
- Folding rear centre armrest console with controls for seating and air conditioning and leather-lined stowage compartment with 12V socket
- Remote control with dedicated stowage in centre console for rear-seat control of main infotainment system including Navigation
- Power windows with one-touch operation and anti-trap protection
- Acoustic glazing with infra red reflective interlayer (except front screen to allow use of mobile communications and toll readers)

- Electrically operated privacy blinds for rear windows and rear screen, controlled from front or rear cabin with one-shot operation and anti-trap
- Twin adjustable front cupholders
- Twin hand-crafted rear cupholders with dedicated stowage
- Front and rear cabin cigar lighters and solid metal ashcans in rear doors
- Hide-lined glovebox with illumination and 12V power socket
- Leather-bound owner's handbook housed in dedicated stowage shelf within glovebox
- Document stowage compartments to front seatbacks

Infotainment

- 8" high-resolution colour screen to display infotainment and vehicle systems information. Automatically concealed behind veneered panel when not in use
- Central Multi Media Interface (MMI) rotary controller with convenience keys for instant access to main system menus of: Navigation, Telephone, Radio, Media (Including TV when fitted), Tone, Information and Car systems
- 60GB hard disc drive unit fitted in glovebox with 20GB of personal storage space, single slot DVD drive and 2 x SD card readers. Includes inbuilt Gracenote database that displays artist/album/song names from CD's
- 6 x CD changer fitted in glovebox
- Voice control for all major systems and operations
- Satellite navigation system integrated in vehicle's hard disc, ensuring fast route calculation
 - Six-digit post code destination entry, active traffic information (market dependent)
 - Four map configurations including 3-D topographical maps and city views and day/night display modes

- Mulsanne audio system with 14 speakers
 - Two subwoofers, powered through six channels with digital sound processing
 - Full iPod® and MP3 player compatibility including full-colour album art display
- Digital radio (DAB) or satellite radio (SDARS) depending on market
- Unique, hide-lined iPod® drawer, with integrated connector, designed for storage and connection of multimedia devices. Supplied with four different fly-leads as standard with connectors for
 - iPod® / iPhone®
 - USB for portable hard drives
 - Mini USB for Blackberrys, digital cameras and video cameras
 - 3.5mm auxiliary for other MP3 player
- Telephone system with Bluetooth wireless connectivity
- Cordless telephone and cradle mounted in front armrest with SIM card reader in hard drive unit (rSAP). (Except North America or Japan)

Safety, Security & Charging

- Intelligent driver's and front passenger air bag with front passenger air bag deactivation facility
- Head and thorax airbags fitted to front and rear seats
 - Fitting to seats rather than car body ensures optimum positioning relative to occupants at all times as the airbag moves with you as you adjust the seat position
- 3-point seat belts to front seats with electric height adjustment and memory function, pyrotechnic pre-tensioners and force limiters
- 3-point seat belts to outer and centre rear seats with pyrotechnic pre-

tensioners and force limiters to outer seats

- Rear seat ISOFIX child seat fixings with top tether points
- Direct tyre pressure monitoring system with provision for speed related warning
- Vehicle Immobiliser
- Interior volumetric alarm system
- Battery conditioner with magnetic trickle charging point concealed in rear registration plate recess
- 12V power sockets located in glovebox, rear centre armrest and boot in addition to cigar lighter sockets in front and rear cabin

Bentley Mulsanne Optional Feature Specification

- **Wheels & Tyres**

- 20" Mulsanne Alloy Wheel - Chromed
- 21" Classic Alloy Wheel - Painted
- 21" Classic Alloy Wheel - Polished
- 21" Two Piece 5 Spoke Alloy Wheel - Painted
- 21" Two Piece 5 Spoke Alloy Wheel - Polished
- Space Saving Spare Wheel - NCO
- (standard in Turkey, Bahrain, India, Kuwait, Oman, Qatar, Saudi Arabia, UAE)

- **Exterior Fittings**

- Flying 'B' Radiator Mascot
- Chromed Radiator Shell with Bright Stainless Steel Matrix Grille
- Bright Stainless Steel Matrix to Lower Bumper Apertures & Front Wing Vents
- Jewel Fuel Filler Cap
- Bright Stainless Steel Door Pillar Finisher

- **Exterior Colours**

- Extended Range including heritage, special satin and pearlescent finishes
- Duo Tone Range
- Single Thin Fine Lines
- Twin Thin Fine Lines
- Thin Over Thick Fine Lines

- Thick Over Thin Fine Lines
- Personal Commission – Solid & Metallic Paint Technologies
- Personal Commission – Pearlescent/3 Coat Technologies
- Personal Commission – Satin Paint
- Personal Commission – Fine Line Colour

- **Glass**
 - Shade Band to Tinted Windscreen
 - Privacy Glass to Rear Passenger Compartment

- **Seating**
 - Contrast Stitching
 - Cross Stitching
 - Embroidered Bentley Emblems to All Seats
 - Seat Piping
 - Seat Ventilation & Massage Function to Front & Rear Seats

- **Steering Wheels & Driver Controls**
 - Veneered Rim Steering Wheel (4 Spoke)
(available with Burr Oak, Burr Walnut, Piano Black, Birds Eye Maple & Dark Stained Burr Walnut veneers)
 - Heated Single Tone Hide Trimmed Steering Wheel (4 Spoke)
 - Duo-Tone Hide Trimmed Steering Wheel (4 Spoke) – NCO
 - Veneered Gear Lever
 - Drilled Alloy Sports Foot Pedals

- **Veneers**

- Dark Stained Burr Walnut
- Piano Black
- Burr Oak
- Bird's Eye Maple
- Vavona
- Dark Stained Vavona
- Olive Ash
- Sapelli Pommele

- **Woodwork & Inlays**

- Contemporary Style Cross-Banding & Inlay to Fascia & Waistrails (available on Burr Oak & Burr Walnut)
- Picture Frame Style Inlay to Waistrails (not available with Piano Black)
- Bentley Wing Badge to Waistrails and Fascia
- Bentley Wing Badge & Chrome Inlay Strips to Waistrails & Badge to Fascia
- Veneered Picnic Tables
- Veneered Picnic Tables with Contemporary Style Cross-Branding & Inlay
- Veneer iPod Drawer & Minor Gauges Panel
- Veneer Door Panels
- Rear Quarter Companion Mirrors with Veneer Surround

- **Mats & Rugs**

- Lambswool Rugs for Front & Rear (in addition to standard

overmats)

- Deep Pile Wilton Carpet Mats to Front & Rear

- **Audio / Video**

- 'Naim for Bentley' Premium Audio System
- Six Disc DVD Player
- Rear Seat Entertainment Package with twin 8" screens to headrests
- TV Tuner (in addition to DAB radio)
(applicable to UK, EU, Australia NZ, Singapore, India, South Africa)
- TV Tuner
(applicable to Japan, China, Indonesia, Malaysia, Philippines, Thailand)
- DAB Radio
(applicable to India & South Africa)

- **Convenience**

- Twin Fold-Down Vanity Mirrors to Rear Cabin Headlining
- Remote-Controlled Garage Door Opener (Eurolink/Homelink)
- Valet Key
- Rear View Camera
- Side View Camera
- Adaptive Cruise Control System (P09 - matrix to bumper & vents must also be ordered)
- Vehicle Tracking System - Preparation Only
- Vehicle Tracking System - Full Fitment
- Ambient Interior Mood Lighting

- Additional Cradle to Rear for Telephone Privacy Handset
- First Aid Kit in Addition to Warning Triangle (market specific availability)

- **Mulliner Catalogue**

- Personalised Embroidery to all Four Headrests
- Personalised Embroidery to Rear Headrests
- Personalised Plaques to all Four Treadplates - Level 1 (Text Only)
- Personalised Plaques to all Four Treadplates - Level 2 (Text & Graphics)