

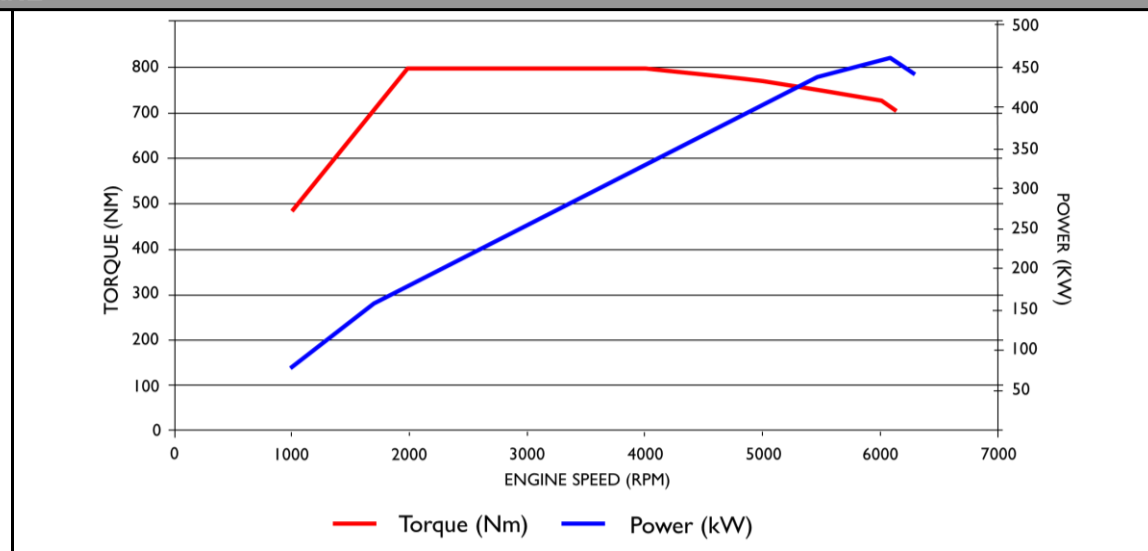
# Bentley Motors Vehicle Specification

## 2013 Flying Spur

Four-door, four- or five-seat luxury performance sedan



ENGINE	
Configuration	6.0-litre twin-turbocharged W12
Capacity	5998 cc / 366 cu in
Induction	Two parallel turbochargers, direct intercooling
Power	625 PS / 616 bhp / 460 kW @ 6000 rpm
Torque	800 Nm / 590 lb/ft @ 2000 rpm
Construction	Alu. alloy block, heads & pistons, forged steel crank & conrods
Bore x Stroke	84 mm x 90.2 mm / 3.3" x 3.55"
Compression ratio	9.0:1
Fuel delivery	Port injection
Valve Gear	4x overhead camshafts with cam phasing, 4 valves per cylinder
Fuel	98 (95) RON gasoline to E20
Cylinder Deactivation	NA
Other Notes	15° V-angle per bank, 72° between banks



TRANSMISSION	
Configuration	Automatic gearbox, torque converter, permanent all-wheel drive
Torque Split (front:rear)	40:60 with ability to change depending on available traction
Gearbox Specification	ZF 8HP90 AL951 eight-speed automatic with block shifting
Gear ratios	1st: 4.71, 2nd: 3.14, 3rd: 2.1, 4th: 1.67, 5th: 1.29, 6th: 1.00, 7th: 0.839, 8th: 0.667
Final Drive	2,85
Shift Time	Mechanical time 600ms, total time 800ms
Other Notes	Block shifting allows combined downshifts (e.g. 8th to 3rd)

SUSPENSION AND STEERING	
Front Layout	Four-link double wishbones, anti-roll bar
Rear Layout	Trapezoidal multi-link, anti-roll bar
Springs & Dampers	Self-levelling air suspension with Continuous Damping Control, four-position driver-selectable settings from Comfort to Sport
Steering System	Rack and pinion, ZF speed-sensitive Servotronic power assistance
Turns Lock-to-Lock	2,8
Steering Rack Ratio	66.92 mm/rev
Turning Circle	11.7 m / 38.4 feet

BRAKES, ESP & CRUISE CONTROL	
Brake Disc Material	Cast Iron or optional Carbon-Silicon-Carbide (CSiC)
Front	405 mm ventilated iron / 420 mm cross-drilled CSiC
Rear	335 mm ventilated iron / 356 mm cross-drilled CSiC
Callipers	8-piston
Assistance	Electronic Brake-force Distribution, ABS, Hydraulic Brake Assistance
ESP	Two-mode ESP, enhanced brake & throttle regulation, increased cornering control. System can be disabled on driver command
Cruise control	Cruise control as standard, optional Adaptive Cruise Control
Other Notes	Electronic Park Brake with Drive-Away assist

INFOTAINMENT AND ELECTRONICS	
Driver Interface	Centralised 8" touchscreen interface, dedicated HVAC panel
Sound System	Balanced Mode Radiators (BMR). 8-speaker standard system. 1100W Naim option.
Navigation System	Dynamic route guidance, 7-digit postcodes, Google Maps imagery
Phone System	Optional Bluetooth telephone connection with privacy handset
Onboard Storage	64 GB rear-seat entertainment hard drive
Other Notes	RSE (MultiMedia Spec) includes Wi-Fi router and Connectivity Unit with 64 GB. For each seat: 10" screen, DVD player, SD card slot, USB port, 12V charging, wireless headphones.

EXTERIOR SPECIFICATION	
Body Type and Style	Steel monocoque, super-formed aluminium front fenders, aluminium bonnet, composite bootlid with integrated antennae
Headlights	Bi-Xenon projector headlamps, LED signature daylight running lamps, LED main beam supplementation, LED rear lamps
Paint Colours	17 standard, over 100 further optional, bespoke paint on request
Aerodynamics	Full-length undersheets
Notes	Sunroof available as no-cost option

INTERIOR SPECIFICATION	
Seating	New 14-way power-adjustable front seats. Heating, lumbar, nose extension & memory functions. Optional massage function
Interior Features	Multi-zone climate control with bulls-eye air vents and organ-stop controls. Options: Picnic tables, twin-bottle cooler.
Hide Colours	12, +5 extra with MDS
Wood Veneers	2 standard, +5 extra with MDS
Safety	Driver, passenger and individual seat airbags, driver knee airbags

GENERAL DATA	
Length	5295 mm / 208.5 in
Width across mirrors	2208 mm / 86.9 in
Width across body	1976 mm / 77.8 in
Height	1488 mm / 58.6 in
Wheelbase	3065 mm / 120.7 in
Front track	1643 mm / 64.7 in
Rear track	1642 mm / 64.6 in
Front Legroom	1056 mm / 41.6 in
Rear Legroom	1073 mm / 42.2 in
Front Headroom (max)	968 mm / 38.1
Rear Headroom	965 mm / 38 in
Drag Coefficient	0,29
Kerb Weight	2475 kg / 5451 lb
Gross Vehicle Weight	2972 kg / 6546 lb
Weight distribution (FR:RR)	

Wheels	New 19" (2 finishes), opt 9.5J x 20", opt 9.5J x 21" (3 designs)
Tyres	265/45 ZR20, 265/40 ZR21
Boot Volume	442 litres / 15.6 cu ft
Fuel tank capacity	90 litres / 20 UK gallons / 24 US gallons

PRICING	
UK (inc. 20% VAT)	£140,900
US (MSRP)	\$200,500
Europe (exc. tax)	€ 161,000
Middle East (exc. duty & tax)	\$201,000
China (inc. taxes & duties)	¥3,850,000
Japan (inc. 5% sales tax)	TBC

PERFORMANCE	
0-60 mph	4.3 secs
0-100 mph	9.5 secs
0-100 km/h	4.6 secs
0-160 km/h	9.5 secs
Top Speed	200 mph / 320 km/h

FUEL CONSUMPTION AND EMISSIONS	
EU DRIVE CYCLE	
Urban	12.6 mpg (22.4 litres/100 km)
Extra Urban	27.8 mpg (10.2 litres/100 km)
Combined	19.2 mpg (14.7 litres/100 km)
Emissions Compliance	EU 5 / LEV II
CO <sub>2</sub> Emissions	343 g/km

EPA DRIVE CYCLE	
City Driving	12
Highway Driving	20
Combined	15
Emissions Compliance	LEV II
CO <sub>2</sub> Emissions	NA