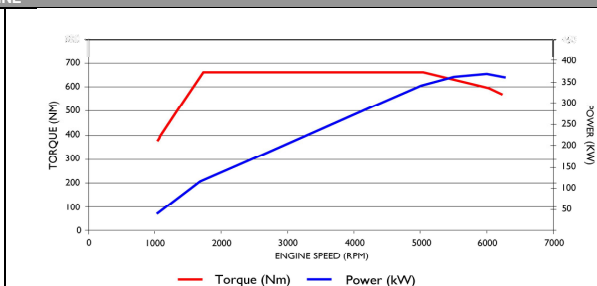


Bentley Motors Vehicle Specification

2012 Continental GT V8

Two-door, four-seat coupé Grand Tourer

ENGINE	
Configuration	4.0-litre twin-turbocharged V8
Capacity	3993 cc / 243.7 cu in
Induction	Two parallel twin-scroll turbochargers, indirect intercooling
Power	507 PS / 500 bhp / 373 kW @6000 rpm
Torque	660 Nm / 487 ft/lb @1700rpm
Construction	Alu. alloy block, heads & pistons, forged steel crank & conrods
Bore x Stroke	84.5 mm x 89 mm / 3.33" x 3.5"
Compression ratio	9.3:1
Fuel delivery	Direct injection
Valve Gear	4x overhead camshafts with cam phasing, 4 valves per cylinder
Fuel	98 (95) RON
Cylinder Deactivation	Four cylinders, valves and fuel deactivated at light load
Other Notes	Turbos in the V for efficiency & response. Thermal management reduces warm-up time. Recuperation & variable power steering.



TRANSMISSION	
Configuration	Automatic gearbox, torque converter, permanent all-wheel drive
Torque Split (front:rear)	40:60 with ability to send max 85% to rear and max 65% to front
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	2.6
Steering Rack Ratio	66.92 mm/rev
Turning Circle	11.3 m / 37.1 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, Aquaplane detection
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), Dirac Dimensions DSP, 440W 8 speaker standard system, 900W 11-speaker Naim option, 6-disc CD changer, SD card reader, iPod connection, DVD playback
Navigation System	Dynamic route guidance, 7-digit postcodes, Google Maps imagery
Phone System	Optional Bluetooth telephone connection with privacy handset
Onboard Storage	30Gb onboard hard-drive
Other Notes	Electronic tyre-pressure monitoring, Keyless entry & ignition, power boot, power door-latching, Park Distance Control, optional rear-view camera, optional TV tuner.

EXTERIOR SPECIFICATION	
Body Type and Style	As per W12, plus V8-unique bumpers and tailpipes, gloss black grilles, red enamel exterior badging, dark lower valence
Headlights	Bi-Xenon projector headlamps, LED signature daylight running lamps, LED main beam supplementation, LED rear lamps
Paint Colours	7 standard, 123 further optional, bespoke paint on request
Hood	NA
Aerodynamics	Concealed rear aerofoil with automatic deployment

INTERIOR SPECIFICATION	
Seating	14-way power-adjustable front seats. Heating, lumbar, nose extension & memory functions. Optional massage function
Interior Features	As per W12, except base V8 has single front armrest, bench rear seat and Eliade cloth headlining. Full range optional.
Hide Colours	4 standard, further 13 optional. 4 headlining colours
Wood Veneers	1 standard, 7 optional
Safety	Driver & front passenger airbags, front/rear side & thorax airbags

GENERAL DATA	
Length	4806 mm / 189.2 in
Width across mirrors	2227 mm / 87.7 in
Width across body	1944 mm / 76.5 in
Height	1404 mm / 55.3 in
Wheelbase	2746 mm / 108.1 in
Front track	1664 mm / 65.51 in (+41mm to BY614)
Rear track	1655 mm / 5.16 in (+48 mm to BY614)
Front Legroom	1049 mm / 41.3 in
Rear Legroom	825 mm / 32.5 in
Front Headroom (max)	1006 mm / 39.6 in
Rear Headroom	928 mm / 36.5 in
Drag Coefficient	0.31 Cd spoiler down, 0.33 Cd spoiler up
Kerb Weight	2295 kg / 5060 lb (25kg reduction from front axle vs W12)
Gross Vehicle Weight	2750 kg / 6063 lb
Weight distribution (FR:RR)	

Wheels	As per GT W12 plus optional unique 21" six-spoke wheel
Tyres	275/40 ZR20, optional 275/35 ZR21
Boot Volume	358 litres / 12.6 cu ft
Fuel tank capacity	90 litres / 20 UK gallons / 24 US gallons

PRICING	
UK (inc. 20% VAT)	£123,850
US (MSRP)	\$174,000
Europe (exc. tax)	€ 136,000
Middle East (exc. duty & tax)	\$172,527
China (inc. taxes & duties)	RMB 2,980,000
Japan (inc. 5% sales tax)	¥21,660,000

PERFORMANCE	
0-60 mph	4.6 secs
0-100 mph	11.1 secs
0-100 km/h	4.8 secs
0-160 km/h	11.1 secs
Top Speed	188 mph / 303 km/h
Range	533 miles / 857 km

FUEL CONSUMPTION AND EMISSIONS	
EU DRIVE CYCLE	
Urban	18.4 mpg / 15.4 litres/100 km
Extra Urban	36.7 mpg / 7.7 litres/100 km
Combined	26.7 mpg / 10.5 litres/100 km
Emissions Compliance	EU5
CO ₂ Emissions	246 g/km (40% improvement to W12)

EPA DRIVE CYCLE	
City Driving	15 USmpg
Highway Driving	24 USmpg
Combined	18 USmpg
Emissions Compliance	LEV II
CO ₂ Emissions	