



Volkswagen Diesel

TDI Performance. Surprisingly Diesel.





So What is Diesel?

Patented in 1892 by Rudolf Diesel, diesel engines were originally designed to provide a more efficient alternative to the petrol engine being used at the time.

Unlike petrol engines, a diesel engine does not use a spark plug – it relies on the heat generated from the highly compressed fuel/air mixture to ignite it.

This combustion process is also the key to the efficiency of our diesel engines. Because the fuel/air mixture in our turbo diesel engines is compressed at a much higher rate than a petrol engine (referred to as the compression ratio), the engine is more efficient and less fuel is required.

Diesel fuel has been greatly refined over the years and can now claim to be the most efficient and environmentally friendly petroleum fuel that is readily available today.

At Volkswagen, we've made diesel our own - through innovations to the diesel engine, such as special high-pressure direct injection systems, inter-cooling systems and variable vane turbo chargers, we've created the Turbo Diesel Injected (TDI) engine.

What are the benefits of Volkswagen TDI?

While many Australians may not yet be familiar with the benefits of Volkswagen's Turbo Diesel Injection (known as TDI), it's a concept that Europeans have embraced over recent years.

In fact, our technology is now so popular that almost 50% of all new Volkswagen vehicles sold in Europe are powered by a TDI engine.

Volkswagen turbo diesel technology provides the best of both worlds – the refinement, performance and cleanliness of a petrol engine with the economy of a diesel.



Economy

Volkswagen TDI engines have always been known for their good “metabolism”. In comparison with other engines, they simply deal with the fuel more efficiently and economically. This fuel efficiency provides much lower running costs. The advantage of a diesel car is visible in the fuel consumption figures. A diesel consumes considerably less than a petrol engine, particularly in city traffic but it also demonstrates its benefits in highway driving.



Performance

A characteristic of Volkswagen TDI engines is the abundant amount of torque available at very low revs. This provides improved 'drive-ability', flexibility and driving enjoyment. In practical terms, the large amount of torque makes driving up hills, overtaking and towing all much easier.

For instance, the Golf 2.0 TDI has the same amount of torque (320Nm) as a typical 6 cylinder petrol engine, while the Touareg V10 TDI has one of the world's most powerful passenger car diesel engines. The V10 TDI produces an amazing 750Nm of torque and completes the 0-100km/h sprint in just 7.4 seconds.

Volkswagen offers a comprehensive range of passenger and commercial vehicles with advanced diesel technology. The commercial diesel vehicle range offers Caddy, Transporter, and Crafter models. The passenger range includes the Polo, Golf, Jetta, Passat, Eos, New Beetle, Touareg, Caddy Life and Multivan.



Convenience

Volkswagen diesel engines will travel much further on a tank of fuel than an equivalent sized petrol engine. A Golf 1.9 TDI can travel up to a remarkable 1,000kms per tank*. A greater fuel range means fewer trips to the petrol station. For instance, a customer travelling 10,000kms per year may only need to refuel their Golf 1.9 TDI 10 times in that period.



*Manual transmission. Fuel consumption figures according to Australian Design Rule (ADR) 81/01.



Ssshh!

Refinement

The advanced technology incorporated in Volkswagen turbo diesel engines offers a high level of refinement.

As well as providing a rewarding drive, Volkswagen TDI engines are incredibly smooth and quiet.



Environment

From an environmental perspective, Volkswagen diesel engines produce considerably less CO² emissions than an equivalent size petrol engine*. When you consider that the diesel engine is also using less fuel at the same time, there is a greatly reduced impact on the environment.

*This is combined city/highway driving as per the Australian Standard ADR 81/01.

Current Diesel Range

Passenger Vehicles

Fuel consumption (Combined, L/100km)*

Passenger	Transmission	Fuel Consumption* Combined L/100KM	CO ₂ g/km
Polo 1.9 TDI	5man	5.0	135
Golf 1.9 TDI Trendline	6man	5.5	149
Golf 1.9 TDI Trendline	6DSG	5.8	157
Golf 1.9 TDI Comfortline	6man	5.5	149
Golf 1.9 TDI Comfortline	6DSG	5.8	157
Golf 2.0 TDI Comfortline	6man	5.7	154
Golf 2.0 TDI Comfortline	6DSG	6.1	165
Golf 2.0 TDI GT Sport	6man	6.6	174
Golf 2.0 TDI GT Sport	6DSG	6.3	168
New Beetle 1.9 TDI	5man	5.5	149
Eos 2.0 TDI	6man	6.0	158
Eos 2.0 TDI	6DSG	6.9	182
Jetta 2.0 TDI	6man	5.8	157
Jetta 2.0 TDI	6DSG	6.2	168
Passat 2.0 TDI (103kW) Sedan	6DSG	6.6	178
Passat 2.0 TDI (125kW) Sedan	6DSG	6.7	181
Passat 2.0 TDI (103kW) Wagon	6DSG	6.7	181
Passat 2.0 TDI (125kW) Wagon	6DSG	6.8	184
Touareg 2.5 R5 TDI	6auto	10.4	275
Touareg 3.0 V6 TDI	6auto	10.7	283
Touareg 5.0 V10 TDI	6auto	12.6	333
Multivan 2.5 TDI	6auto	9.8	265
Multivan 2.5 TDI	6man	9.4	254
Caddy Life 1.9 TDI	5man	6.2	167
Caddy Life 1.9 TDI	6DSG	6.7	181
Caddy 1.9 TDI Camper	5man	6.2	167
Caddy 1.9 TDI Camper	6DSG	6.7	181

Commercial Vehicles

Fuel consumption (Combined, L/100km)*

Commercial	Output (kW)	Body Style	Transmission	Fuel Consumption* Combined L/100KM	CO ₂ g/km
Caddy 1.9 TDI*	77	Panel Van	5man	6.2	167
Transporter 1.9 TDI SWB*	75	Panel Van	5man	8.3	224
Transporter 2.5 TDI SWB*	128	Panel Van	6man	8.9	240
Transporter 1.9 TDI LWB*	75	Panel Van	5man	7.7	208
Transporter 2.5 TDI LWB*	128	Panel Van	6man	8.9	240
Transporter 1.9 TDI LWB*	75	Dual Cab Chassis	5man	8.3	224
Transporter 2.5 TDI LWB*	128	Dual Cab Chassis	6man	8.9	240



* This is an abbreviated list of models, please visit www.volkswagen.com.au for more information.



The Best of Both Worlds.

Volkswagen TDI offers the performance and driveability of a petrol engine with the economy and efficiency of diesel across its entire vehicle range. Which means whether it's a sporty Golf, an affordable Polo or versatile Multivan that suits you, you can enjoy all the benefits of TDI without checking your individuality at the door. After all, driving should be fun!



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