

Introduction



1.2l 55kW TDI engine

A new 3-cylinder engine has been developed in the form of the 1.2l 55kW TDI engine. It is based on the 1.6l TDI engine introduced at the beginning of 2009.

This engine design is a prime example of "down-sizing".

Down-sizing refers to a reduction in the displacement of an engine without changing the output or the torque. The displacement can be reduced by reducing the displacement of each cylinder, reducing the number of cylinders or a combination of both. This reduces the weight and the internal friction of the engine and thus the fuel consumption.

In the case of the 1.2l TDI CR engine, the number of cylinders has been reduced from 4 to 3 compared with the 1.6l TDI CR engine while the cylinder displacement is unchanged.

In addition to the weight and friction-reducing measures, this engine is equipped with a new common rail injection system that contributes to reducing harmful emissions by using a high maximum injection pressure and precise control.

Thanks to the new 1.2l 55kW TDI engine and further measures like aerodynamic modifications to the front, sides, floor and rear end, the start/stop system and low rolling resistance tires mounted on alloy rims, the Polo Blue Motion scores top marks with a low fuel consumption of 3.3l/100km and CO₂ emissions of 87g/km.



The design and function of the 1.6l TDI engine are described in self-study programme no. 442 "1.6ltr. TDI engine with common rail injection system".

Tdi Engine Manual

Léo Pomar



Tdi Engine Manual:

Tdi Engine Manual Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has been apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Tdi Engine Manual**," published by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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