VRT & NOx Calculator Check

Ref. ID: 829774278
AB01CDE - 01/11/2026

Vehicle Details

Reg:	AB01CDE
Vehicle:	Audi A4
Engine:	2.00 Diesel 163 BHP
Transmission:	Manual
Colour & Bodytype:	Black 4 dr Saloon (5 seats)
Wheelbase:	2650
Year:	2015
Estimated Vehicle Value:	€ 12,400

VRT based on estimated Valuation

Vehicle Category:	Passenger vehicle (e.g. Saloon, Estate, Hatchback, Coupe, SUV, MPV, Minibus)
CO2:	112 g/km
NEDC CO2:	112 g/km
WLTP CO2:	140.59 g/km
Rate of VRT:	20%
Odometer:	57200 Miles
Estimated Vehicle Value:	€ 12,400
Estimated CO2 charge:	€ 2,480

NOx emissions:	139 mg/km
Matched vehicle:	Audi A4, 2.0 TDI SE ULTRA 163PS 4DR, Diesel, 1968 cc, Manual, CO2 em. 112 g/km, 2015

SAMPLE

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	NOx emissions (mg/km)	Amount payable per mg/km
NOx rates:	The first 0-40 mg/km	€ 5
	The next 40 mg/km or part thereof up to 80 mg/km	€ 15
	The remainder above 80 mg/km	€ 25
	Maximum charges: diesel vehicles: € 4,850, all others: € 600. If satisfactory evidence of NOx emissions cannot be provided the maximum charges above will apply.	
NOx calculation:	40 × € 5 = € 200 40 × € 15 = € 600 59 × € 25 = € 1,475 Total: € 2,275	
Estimated NOx charge:	**€ 2,275**	
Estimated CO2 charge:	**€ 2,480**	
Total Estimated VRT payable:	**€ 4,755**	

SAMPLE

DISCLAIMER

Please be advised that in certain circumstances with vehicles between the years 2018 and 2020, the VRT estimation given could be estimated to a higher or lower rate than may actually be the case. Revenue could apply the equation below for calculation of CO2 to an already determined WLTP value resulting in a transposition of VRT to a higher percentage rate than may be expected.

CO2 tax is calculated based on the new Worldwide Harmonised Light Vehicle Test Procedure (WLTP) for new Category A vehicles (passenger cars and SUVs). All vehicles manufactured before September 2018 were subject to the NEDC test and it is assumed that all vehicles manufactured since then have been tested under the WLTP.

CO2 For diesel vehicles = **(NEDC CO2 figure x 1.1405) + 12.858**.
CO2 For non-diesel vehicles = **(NEDC CO2 figure x 0.9227) + 34.554**.

To bring all these used vehicles in line with new cars, the above formula is now applied to all the pre-September 2018 vehicles. It is necessary to implement this calculation to bring older vehicles into line with the new test. Based on EU methodology, the line equations act as multipliers which raise NEDC CO2 values to be equivalent with WLTP. The new equations show that diesel engines have a lower overall CO2 level than petrol engines.

Vehicles may have previously been registered based on the now discredited New European Driving Cycle (NEDC) figures and so to compensate for the newer WLTP data, Revenue will apply the above formula which is used to calculate a CO2 figure and to assign a CO2 tax band. If an exact CO2 rate is not determinable, we will attempt to search for an alternative rate with the closest CO2.

Thank you for being a valued customer. We are grateful for your continued support for the Only Fully Irish Owned Vehicle Data Provider.

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