

# Motorsport Information



Volkswagen

Technical Data

## Volkswagen Polo R WRC (2013)

### Engine

Design	Four-cylinder in-line engine with exhaust turbocharger and intercooling, positioned laterally in front of the front axle
Capacity	1,600 ccm
Performance	232 kW (315 hp) at 6,250 rpm
Torque	425 Nm at 5,000 rpm
Bore/stroke	83.0 mm/73.8 mm
Restrictor plate	33 mm
Engine management	Bosch

### Transmission

Gearbox	Sequential, six-gear racing transmission, positioned laterally
Axle drive	Permanent 4-wheel drive with rigid drive shaft between front and rear axle, multi-plate limited slip differentials on front and rear axle
Coupling	Hydraulically operated two-plate sinter metal clutch

### Chassis

Front/rear axle	McPherson struts, dampers by ZF
Suspension travel	Approx. 180 mm on asphalt, approx. 275 mm on gravel
Steering	Rack-and-pinion steering with power assistance
Braking system	Disc brakes with all-around inside ventilation (Ø 355 mm at the front on asphalt; Ø 300 mm at the front and rear on gravel), aluminium callipers (four pistons all-around)
Rims	8 x 18 inch for asphalt; 7 x 15 inch for gravel
Tyres	Asphalt: 20/65-18 (235/40-R18); gravel: 17/65-15 (215/60-R15) Michelin

### Chassis/Bodywork

Structure	Reinforced production steel body in line with FIA regulations
-----------	---

### Dimensions and weight

Length/width/height	3,976/1,820/1,356 mm
Track	1,610 mm
Wheelbase	2,480 mm
Minimum weight	1,200 kg (without driver/co-driver)

### Driving performance

Acceleration	0–100 km/h in approx. 3.9 seconds
Top speed	Up to 200 km/h (depending on transmission)