

**FORD FOCUS RS - TECHNICAL SPECIFICATIONS**

ENGINE DATA	
Engine Type	2.5L 20 V DOHC RS
Displacement (cc)	2522
Bore (mm)	83.0
Stroke (mm)	93.2
Fuel type, grade	Unleaded petrol, 98 or 95 (RON)
Max power ISO PS (kW) At engine speed (rpm)	305 PS (224kW) 6500

Max torque (ISO Nm) At engine speed (rpm)	440 Nm 2300 – 4500
Compression ratio	8.5:1
Cylinders	5, in-line
Cylinder head	Gravity die cast aluminium alloy with sintered valve guides and seats
Cylinder block	High pressure die-cast aluminium alloy with bed plate, metal-sprayed bores
Crankshaft	Forged Steel with 50 mm-diameter crankpins, fully balanced with ten counterweights, six 65mm-diameter main bearings and damped front pulley, overall weight 21,5 kg. Lead free bearing shells
Valves per cylinder	4
Valve gear	DOHC
Included angle between valves	58 degrees
Valve sizes (mm)	Intake: 31.0 Exhaust: 27.0
Turbocharger	Borg -Warner K16 integrated turbo system, one-piece precision-cast thin-wall iron housing
Camshaft drive	Tooth belt with dynamic tensioner, Ti-VCT (Twin independent Variable Cam Timing), timing variation 50° (intake), 30° (exhaust)
Pistons	Lightweight, short-skirt silicon-aluminium alloy piston with graphite-coated piston sleeves
Connecting rods	Forged steel with fracture-split big ends, 143 mm length
Max engine speed (rpm)	7050 transient (3 seconds) with continuous at 6500
Idle engine speed (rpm)	800
Engine speed at max speed (rpm)	6175

Engine management	Bosch ME 9.0 Motor-Management System for Injection and Ignition, EURO Stage 4
Fuel injection	Sequential electronic fuel injection (SEFI)
Ignition	Electronic distributorless
Emission controls	Under-floor closed-loop three-way catalytic converter with oxygen sensor
Emission level	European Stage IV, with electronic on-board diagnostics (EOBD)

FLUIDS	
Fuel Tank (litres)	62
Cooling liquid (litres), incl. heater	7.1

Oil quantity, incl. filter	5.8
Oil Change	Every 20,000 km / 12,500 miles
Service Interval	Annual or every 20,000 km / 12,500 miles

TRANSMISSION	
Transmission type	Manual 6-speed, synchromesh on all ratios including reverse
Gear ratios	
6 th	0.7
5 th	0.868
4 th	1.088
3 rd	1.433
2 nd	2.05
1 st	3.385
Reverse	3.231
Final Drive	4.00
Clutch type	Single dry clutch with self-adjusting lash mechanism and dual mass flywheel
Clutch diameter (mm)	240
Differential	Mechanical, Quaife helical limited slip differential, 6 planet gears, 32-degree helix angle

SUSPENSION	
Front Suspension	Independent MacPherson struts with offset coil spring over gas filled damper units and lower L-arms. Anti-roll bar (24mm). Ford RevoKnuckle with fixed mount to anti-roll bar (patented)
Rear Suspension	Independent Short-Long Arm (SLA) Control Blade multi-link system mounted on reinforced sub-frame, gas-filled dampers and anti-roll bar (24mm).

STEERING	
Type	Rack and pinion, ratio 13.2:1, lock-to-lock 2.32
Turning circle (m)	Kerb-to-kerb: 12.2

BRAKES	
Type	Dual-circuit, diagonally split, hydraulically operated discs front and rear. Vacuum servo-assist. Standard electronically controlled anti-lock braking system (ABS) with electronic brake force distribution (EBD). Specially-developed ESP system.
Front	336 x 30 mm ventilated discs
Rear	302 x 11 mm solid discs

BODY	
Structure	Computer-optimised, high-efficiency, unitary-welded steel
Safety elements - body	Computer optimized body structure using high strength steels and custom welded material. <ul style="list-style-type: none"> • Rigid occupant protection cell • Front and rear energy-absorbing crumple zones • Impact-decoupling chassis system to protect footwell • Side impact protection door beams • High strength instrument panel carrier beam and steering column support

Passive safety and restraint system features	<ul style="list-style-type: none"> • Full-size driver & passenger airbags (featuring latest single stage inflator technology) • High power pyrotechnic belt pre-tensioners and belt load limiting for front-seat safety belts • Three-point seat belts in all four positions • Seat belt reminders for driver & front passenger • Inflatable side curtains for front- and rear-seat occupants • Horizontal stroking steering column for optimized energy absorption and leg protection • Collapsible pedal structure • ISOFIX child seat attachment anchors available on request for both outboard rear seats • Front passenger airbag deactivation switch available on request • Optimisation for wide range of human body profiles, from 5th percentile female to 95th percentile male.
Bumper system	Damage-resistant, full-depth moulded reinforced polypropylene
Security system elements	<ul style="list-style-type: none"> • Perimeter alarm with interior scanning capability optional • Advanced Ford PATS immobiliser • Key fob-operated double locking • Key-locking bonnet

WHEELS/TYRES	
Standard wheel type	Alloy
Standard wheel size (in)	19x8.5
Tyres	Continental 235/35 R 19

DIMENSIONS AND CAPACITIES	
Exterior	
Overall length (mm)	4402
Overall width, excl. mirrors (mm)	1842
Overall height (mm)	1497
Wheelbase (mm)	2640
Front tread (mm)	1586-1606
Rear tread (mm)	1587-1607

Interior	
Headroom front/rear (mm)	999/978
Shoulder room front/rear (mm)	1414/1399
Max legroom front/rear (mm)	1100/906
Luggage compartment-VDA (litres)	385

CORROSION PROTECTION	24-stage paint and body protection process, including zinc pre-coatings for all exterior panels excluding the roof, optimised dip phosphate process, electrocoat corrosion protection, filler/surfacer and clear-over-base enamel topcoat, plus comprehensive cavity wax injection, PVC underbody coatings and stone protection. Thick PVC sealing beads for all flanges. Front plastic wheel arch liners, rear textile wheel arch liners, anti-scuff strips on inner doorsills and rear load sill. 12 years anti-perforation warranty.
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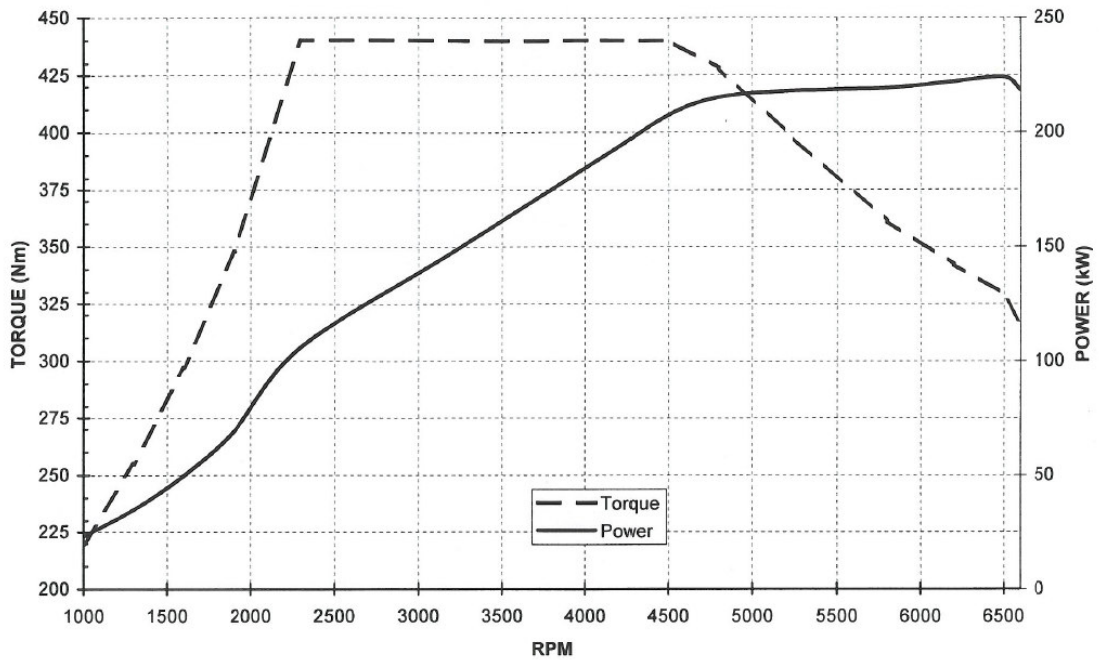
AERODYNAMICS	Fully optimized aero pack, including front splitter, side rocker mouldings, rear venturi and twin-element rear wing
Drag Co-efficient (cd)	0.38
Front surface (A), m ²	2.35
Front / rear downforce	-0.022 / 0.000

WEIGHTS	
Basic kerb (kg)	1468
Gross vehicle mass (kg)	1860
Payload (kg)	392
Roof load (kg)	75

PERFORMANCE	
Max speed (kph)	263
Acceleration (sec)	
0-100 km/h	5.9
50-100 km/h (in 4th. gear)	5.3

FUEL CONSUMPTION	
Urban (ECE l/100 km)	13.4
Extra Urban (ECE l/100 km)	7.0
Combined (ECE l/100 km)	9.4
CO ₂ – combined mode (g/km)	225

POWER/ TORQUE:



Note: This data information reflects preliminary specifications and was correct at the time of printing. However, Ford's policy is one of continuous product development. The right is reserved to change these details at any time without further notice.