FORD LV FOCUS XR5 TURBO – TECHNICAL DATA

Engine Data	
Engine Type	2.5L 20 V DOHC
Displacement (cc)	2522 cm^3
Bore (mm)	83.0
Stroke (mm)	93.2
Fuel type, grade	Unleaded petrol, 95 OR 98 (RON)
Max power (kW) **At engine speed (rpm)**	166 KW 6100
Max torque (Nm) **At engine speed (rpm)**	320 NM 1600 – 4000
Compression ratio	9.0 : 1
Cylinders	5, Inline with exhaust manifold to the vehicle front
Cylinder head	Gravity die cast aluminium alloy with sintered valve guides and seats
Cylinder block	High pressure die-cast aluminium alloy with bed plate
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
Valves per cylinder	4
Valve gear	DOHC with direct-acting mechanical shimless tappets
Included angle between valves	58 degrees
Valve sizes (mm)	Intake: 31.0 Exhaust: 27.0
Turbocharger	Kühnle, Kausch & Kopp -Warner 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 graphited piston sleeves, pure piston weight 290 g (with piston pin, piston rings and clips 412 g)
Connecting rods	Forged steel with fracture-split big ends, 143 mm length

Engine management	Bosch ME 9.0 motor-management system for injection and ignition with 2MB of flash-capacity, Euro Stage IV/ULEV emissions
Fuel injection	Sequential electronic fuel injection (SEFI), consistent Lambda-1-injection strategy across the full load range
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)

Transmission	
Transmission type	Manual 6-speed transmission (M66) with synchromesh on all ratios including reverse
Gear ratios (by engine type)	Gear-set C
6TH	0.7
5TH	0.868
4TH	1.088
3RD	1.433
2ND	2.05
1ST	3.385
REVERSE	3.231
FINAL DRIVE	4.0
Clutch type	Single dry clutch with self-adjusting lash mechanism and dual mass flywheel
Clutch diameter (mm)	228

Suspension	
Front Suspension	Independent MacPherson struts with offset coil spring over gas filled damper units and lower L-arms with optimised front rubber bushings and rear hydro-bush mounted on separate reinforced cross-member sub-frame, anti roll bar 21.5 mm.
Rear Suspension	Rear – Independent Short-Long Arm (SLA) Control Blade multi-link system mounted on reinforced sub-frame, gas-filled dampers and anti-roll bar (21mm).

Steering	
Type	Rack and pinion, ratio 14.8; power-assist 60.5 mm /rev, lock-to-lock 2.38 revs
Turning circle (m)	Kerb-to-kerb: 11.7
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) and Electronic Brake Assist (EBA) system and Dynamic Stability Control.
Front	320 X 25 mm ventilated discs
Rear	280 X 11 mm solid discs

Body	
Structure	Computer-optimised, high-efficiency, unitary-welded steel
Safety elements - body	Computer optimised body structure using high strength steels and custom welded material. • 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	• 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 positions • Seat belt reminders for driver & front passenger • Standard inflatable side curtains for front- and rear-seat occupants • Standard chest-protecting side air bags for front occupants • Horizontal stroking steering column for optimised energy absorption and leg protection • Collapsible pedal structure • Neck injury protection system on front seats • ISOFIX child seat attachment anchors available for both outboard rear seats • Front passenger airbag deactivation switch available • 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	• Perimeter alarm with interior scanning capability • Advanced Ford PATS immobiliser • Key fob-operated double locking • Key-locking bonnet • Global closing feature for power windows, sunroof

Wheels/Tyres	
Standard wheel type	Alloy
Standard wheel size (in)	18X8
Tyre size – standard	225/40 R 18

Dimensions and Capacities	
Exterior	
Overall length (mm)	4357
Overall width (mm)	1840
Overall height (mm)	1447
Wheelbase (mm)	2640
Front tread (mm)	1535
Rear tread (mm)	1531

Fuel Consumption	
Combined (l/100 km)	9.3
CO_2 – combined mode (g/km)	224

Interior	
Headroom front/rear (mm)	978
Shoulder room front/rear (mm)	1399
Max legroom front/rear (mm)	853
Luggage compartment-VDA (litres)	362

Corrosion protection	24-stage paint and body protection process, including zinc pre-coating 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 wheelarch liners, rear textile wheelarch liners, anti-scuff strips on inner doorsills and rear load sill.

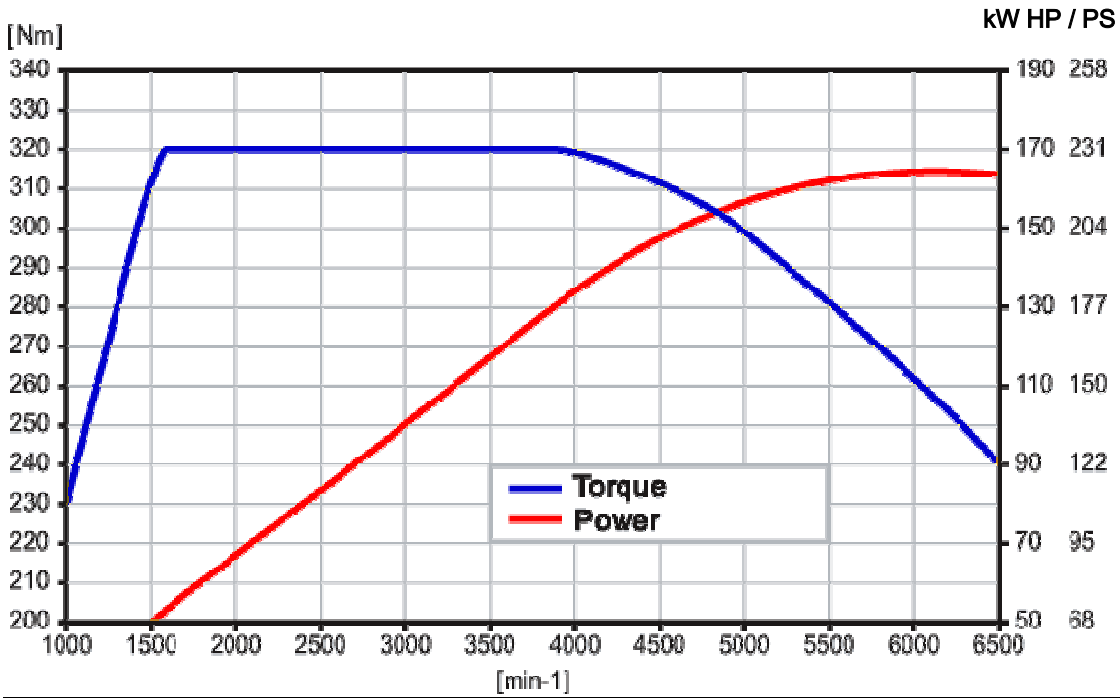
Aerodynamics (Cd)	0.33

Fluids	
Fuel Tank (litres)	55 petrol
Cooling liquid (litres)	7.1
Oil supply and quantity	Oil quantity: 6.1 L (w/o filter change), 6.4 L (w. filter change) 5W30
Oil Change	15,000km or every 12 months – whichever occurs first
Service Interval	15,000 km

Weight	
Basic kerb (kg)	1437
Gross vehicle mass (kg)	1890
Payload (kg)	528
Roof load (kg)	75

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.

Power/Torque:



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