



K9K – dCi 75, dCi 90, dCi 110

1.5 Turbo Diesel - Euro4 - Euro5

K9K - CUSTOMER BENEFITS

The third generation of Renault 1.5 dCi engine, driving one out of three Renault vehicles sold worldwide from Twingo to Laguna. Modern and compact, it can meet emissions standards up to Euro 5.

AMONG THE BEST FOR FUEL CONSUMPTION AND CO2*

- D segment: less than 130 g/km (NEDC cycle)
- B and C segment*: less than 120 g/km (NEDC cycle)
- controlled and cooled EGR (Exhaust Gas Recirculation)

DRIVING COMFORT - FUN TO DRIVE

- High torque available over a wide speed range from 1,500 to 3,750 rpm
- Power and high responsiveness thanks to optimized combustion



ENVIRONMENT FRIENDLY

- Euro 4 and Euro 5 compliant
- Diesel Particulate Filter (DPF) available
- 5th injector technology for optimized DPF regeneration available
- B30 fuel compatible**



MAINTENANCE - TOTAL COST OF OWNERSHIP***

- Timing belt: 160,000 km
- Oil change intervals: 30,000 km or 2 years
- Diesel Particulate Filter: lifetime

AVAILABLE TRANSMISSIONS

- 5 or 6 speed manual transmission
- 6 speed 4WD manual transmission
- Dual clutch six speed transmission

DRIVETRAIN LAYOUTS

- East-West available
- North-South layout possible, according to the customer request and after Renault validations



A WIDE RANGE OF APPLICATIONS

- ☐ A to D segment Cars
- ☐ MPV and SUV Vehicles
- ☐ Equips Renault and other vehicle manufacturers' vehicles

* Availability depends on required emission standards and vehicle characteristics

** After validations

*** On Renault vehicles under West Europe market conditions

K9K - SPECIFICATIONS

MAIN SPECIFICATIONS

	dCi 75	dCi 90	dCi 110
Number of Cylinders	4		
Number of Valves	8		
Bore x Stroke (mm)	76 x 80.5		
Total Displacement (cc)	1461		
Max. Power (kW (PS))	55 (75)	66 (90)	81 (110)
Speed at max Power (RPM)	4000		
Max. Torque (Nm (lbf.ft))	160(118)	200 (147)	240 (176)
Speed at max Torque (RPM)	1750- 2500	1750 – 2500	1750- 2750
Compression Ratio	15.2: 1		
Fuel Injection	Common Rail Direct Injection		
Turbocharger	Waste Gate		VNT
Fuel	Diesel, B30 CompatibleDiesel - EN 590 2005 standard - sulfur level <50ppm(Euro4) <10ppm(Euro5)		
Emissions Standard	Euro3 to Euro5		
Dimensions (LxWxH)	578 x 595 x 703		
Weight (kg)	145		

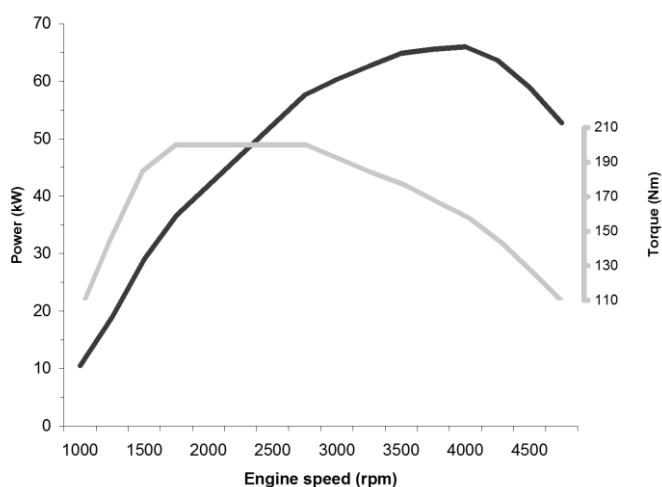
OTHER SPECIFICATIONS

Cylinder Block Material	Cast Iron
Cylinder Head Material	Aluminum
Oil Sump Material	Aluminum
Emissions Control System	EGR DOC + DPF
Power Steering	Electric *
Standard Engine Position	East-West, intake and exhaust towards the back
Standard Engine Tilt	8 degrees towards exhaust
Electric Interface to Vehicle	CAN Bus or Analogic

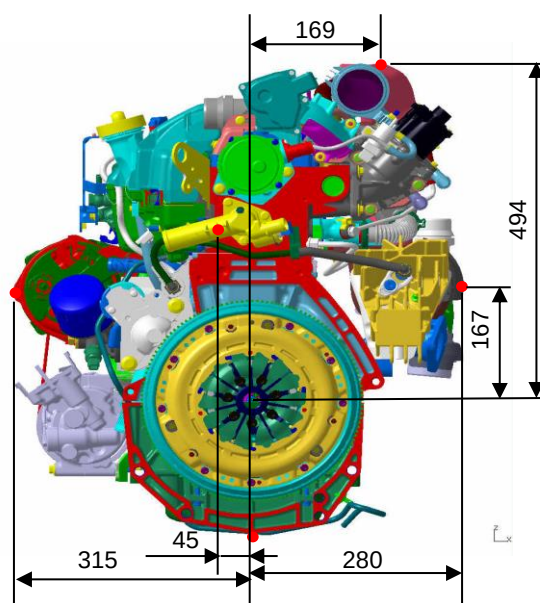
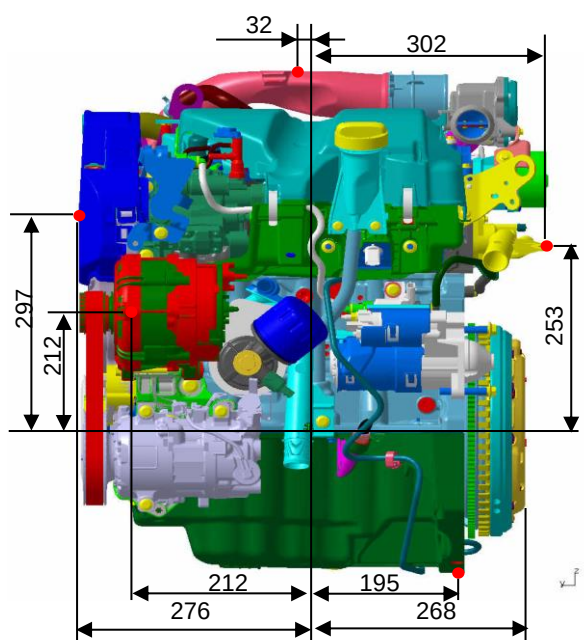
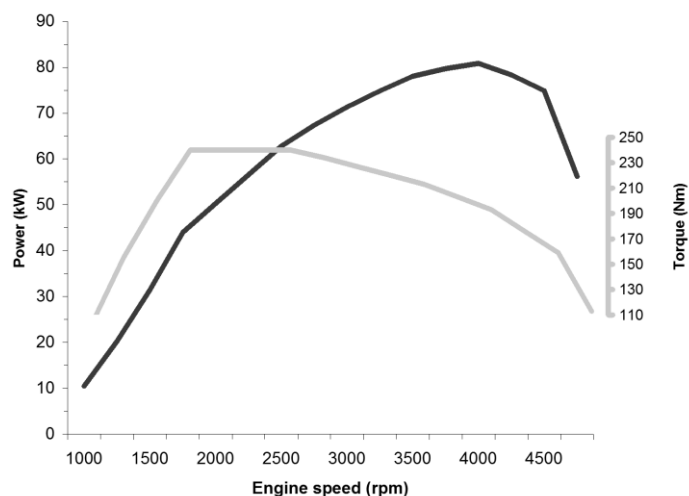
*Hydraulic power steering to be validated by Renault

K9K – PERFORMANCE AND MAIN DIMENSIONS

1.5 dCi 90



1.5 dCi 110



Dimensions in mm

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