

K9K – dCi 75, dCi 90, dCi 110

1.5 Turbo - Diesel Euro5 & Euro6

K9K - CUSTOMER BENEFITS

The fourth generation of Renault 1.5 dCi engine, driving one out of three Renault vehicles sold worldwide from Twingo to Laguna. This new Energy generation is Euro 6 ready. It brings more than 10% CO2 emissions reduction combined with enhanced engine torque.

ENERGY PACKAGE ^E

- Variable capacity oil pump
- Low and high pressure EGR
- Active Thermal management
- Stop and Start
- Smart electrical management
- New more precise injectors tips to optimize combustion

DRIVING COMFORT - FUN TO DRIVE

- dCi 110 Engine torque: 20 Nm more than the current version, 260Nm available over a wide speed range; from 1,750 to 2,500 rpm
- dCi 90 : 220 Nm from 1750 rpm
- High responsiveness and low-end torque favored by a new turbocharger with low inertia

ENVIRONMENT FRIENDLY

- Euro 5 compliant and Euro 6 ready
- Close-Coupled Diesel Particulate Filter (DPF)
- B30 fuel compatible

MAINTENANCE - TOTAL COST OF OWNERSHIP*

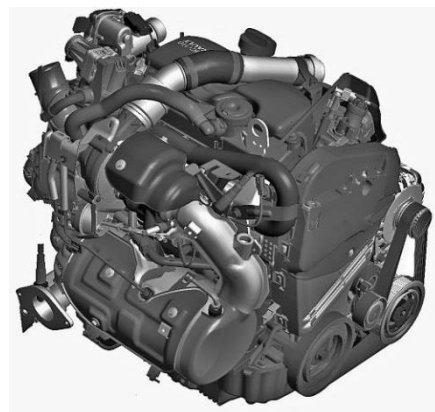
- Timing belt: 160,000 km
- Oil change intervals: 30,000 km or 2 years
- Diesel Particulate Filter: lifetime

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

^E : The Energy engine lineup relies on the technological expertise of Renault in F1 and a new generation of downsizing
*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))	180-200(133-147)	200-220 (147-162)	260 (192)
Speed at max Torque (RPM)	1750- 2500	1750 – 2500	1750- 2750
Compression Ratio	15.5 : 1		
Fuel Injection	Common Rail Direct Injection		
Turbocharger	Waste Gate		VNT
Fuel	Diesel, 10 ppm S B30 Compatible		
Emissions Standard	Euro5 (Euro6 ready)		
Dimensions (LxWxH)	599 x 624 x 707		
Weight (kg)	145		

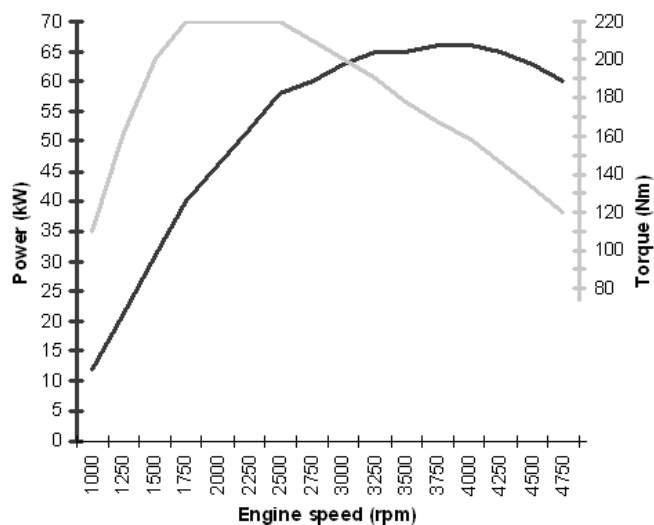
OTHER SPECIFICATIONS

Cylinder Block Material	Cast Iron
Cylinder Head Material	Aluminum
Oil Sump Material	Aluminum
Emissions Control System	HP + LP 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

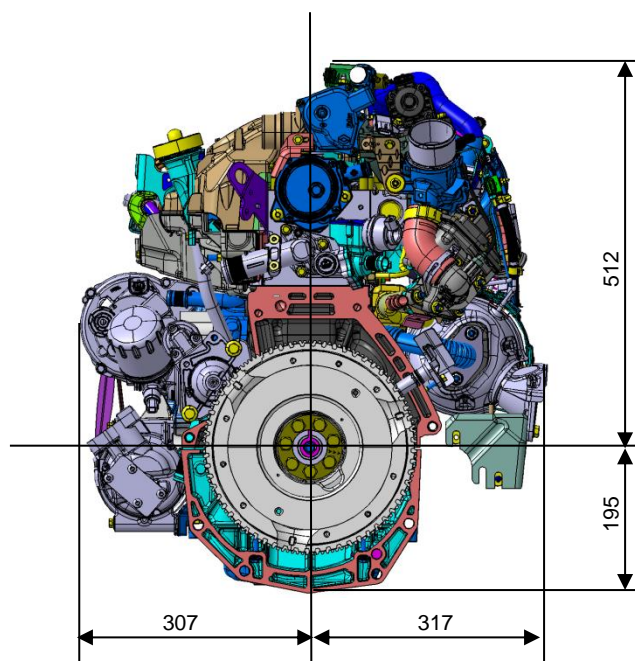
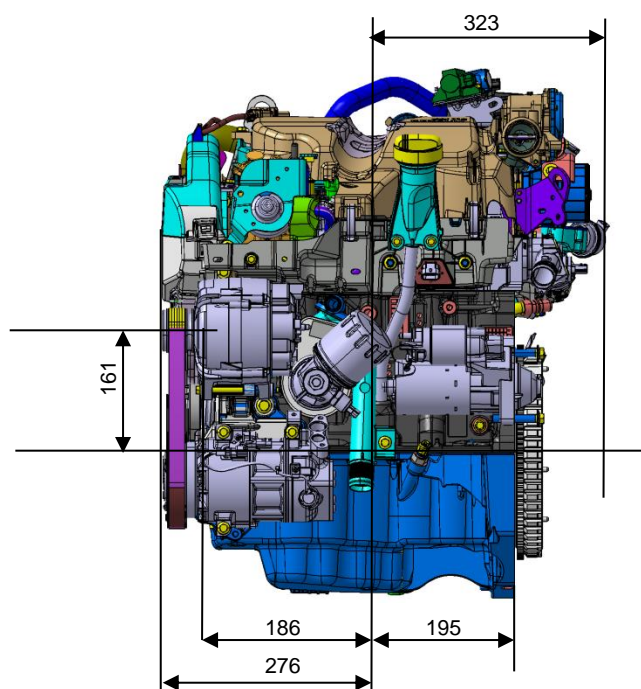
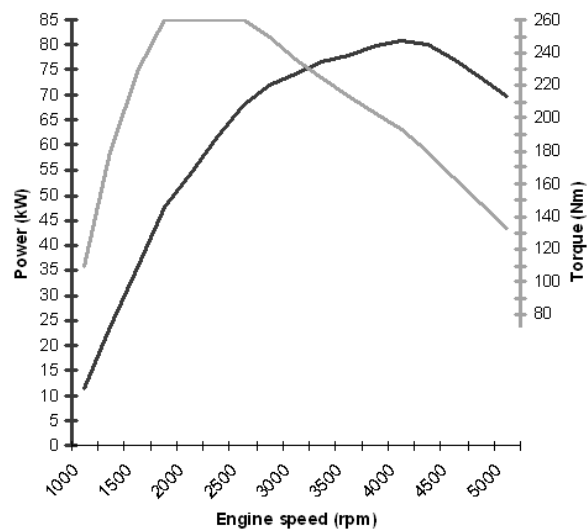
*Hydraulic power steering to be validated by Renault

K9K – PERFORMANCE AND MAIN DIMENSIONS

K9K 66 kW



K9K 81 kW



Dimensions in mm

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