

## **K9K – dCi 65, dCi 85, dCi 105**

### **1.5 Turbo - Diesel Euro4**

# K9K - CUSTOMER BENEFITS

***The second generation of Renault 1.5 dCi engine, driving one out of three Renault vehicles sold worldwide from Twingo to Laguna. This engine can meet a wide spread of fuel specifications and emissions standards from Euro1 to Euro 4.***

## AMONG THE BEST FOR FUEL CONSUMPTION AND CO2

- Post-injection strategy that reduces both NOx and particulate emissions

## DRIVING COMFORT - FUN TO DRIVE

- High torque available over a wide speed range provides an excellent driving comfort

## ENVIRONMENT FRIENDLY

- Euro 4 compliant and Euro 3 possible
- Close-Coupled Diesel Particulate Filter (DPF)

## MAINTENANCE - TOTAL COST OF OWNERSHIP\*

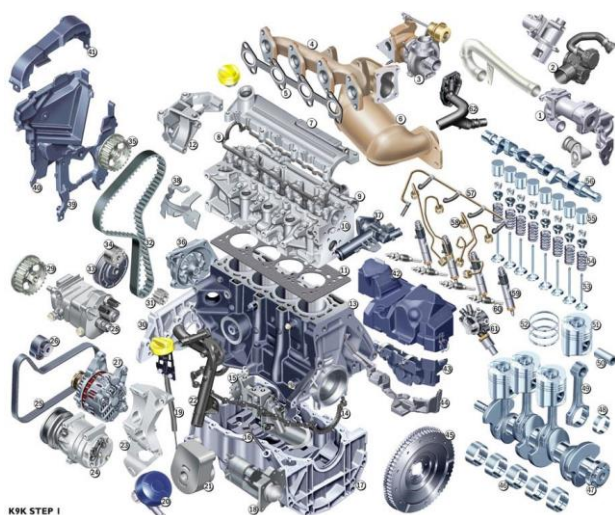
- Timing belt: 120,000 km
- Oil change intervals: 20,000 km or 2 years

## AVAILABLE TRANSMISSIONS

- 5 or 6 speed manual transmission

## DRIVETRAIN LAYOUTS

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



RP 09 2014 – The information in this brochure is given as an indication only and may change without notice



## A WIDE RANGE OF APPLICATIONS

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

# K9K - SPECIFICATIONS

## MAIN SPECIFICATIONS

|                           | dCi 65                       | dCi 85    | dCi 105   |
|---------------------------|------------------------------|-----------|-----------|
| Number of Cylinders       | 4                            |           |           |
| Number of Valves          | 8                            |           |           |
| Bore x Stroke (mm)        | 76 x 80.5                    |           |           |
| Total Displacement (cc)   | 1461                         |           |           |
| Max. Power (kW (PS))      | 48 (65)                      | 63 (85)   | 78 (105)  |
| Speed at max Power (RPM)  | 4000                         | 3750      | 3750      |
| Max. Torque (Nm (lbf.ft)) | 160(118)                     | 200 (147) | 240 (176) |
| Speed at max Torque (RPM) | 1750                         | 1750      | 1750      |
| Compression Ratio         | 15.9 : 1                     |           |           |
| Fuel Injection            | Common Rail Direct Injection |           |           |
| Turbocharger              | Waste Gate                   |           | VNT       |
| Fuel                      | Diesel                       |           |           |
| Emissions Standard        | Euro1 to Euro4               |           |           |
| Dimensions (LxWxH)        | 580 x 631 x 680              |           |           |
| Weight (kg)               | 145                          |           |           |

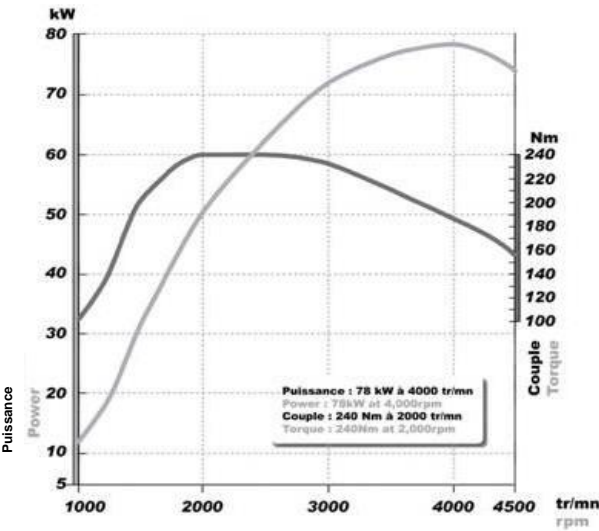
## OTHER SPECIFICATIONS

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

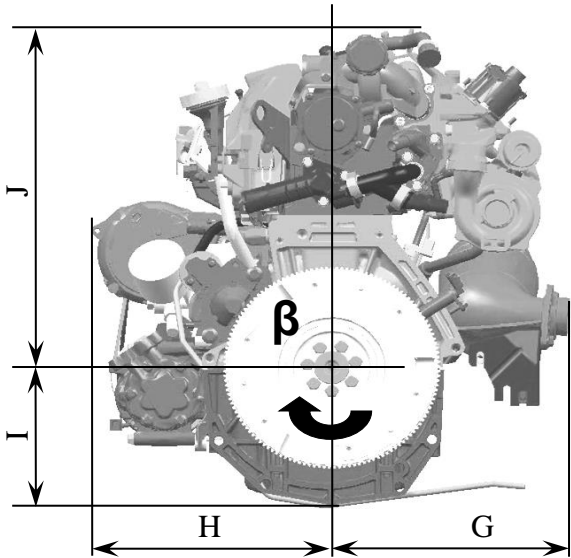
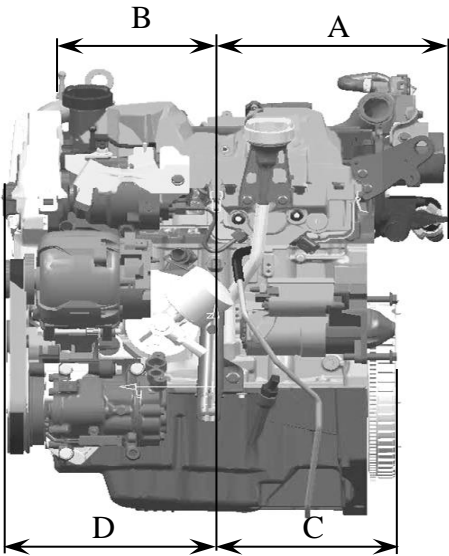
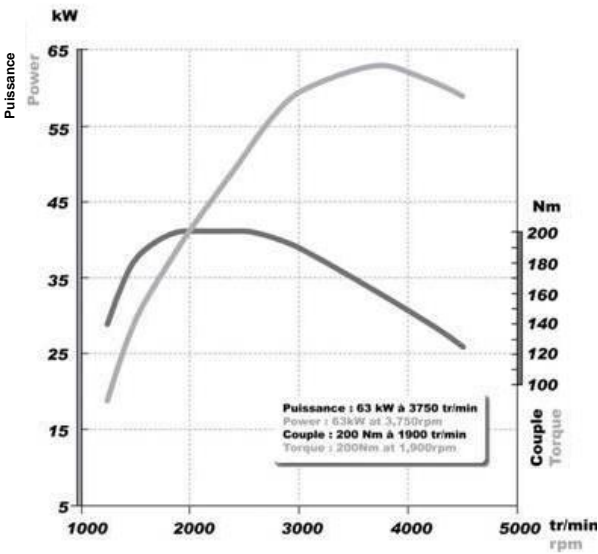
\*Hydraulic power steering to be validated by Renault

# K9K – PERFORMANCE AND MAIN DIMENSIONS

1.5 dCi 85



1.5 dCi 105



|         |       |
|---------|-------|
| A       | 302   |
| B       | 205   |
| C       | 233   |
| D       | 278   |
| G       | 313   |
| H       | 318   |
| I       | 200   |
| J       | 480   |
| $\beta$ | 8-12° |

Dimensions in mm

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