

# R9M – dCi 130

## 1.6 Turbo - Diesel Euro5

**RENAULT**  
POWERTRAIN

**DRIVE THE CHANGE**



# R9M - CUSTOMER BENEFITS

*The new Renault Energy dCi 130 engine boasts a raft of innovative technological solutions inspired by F1 that have slashed CO2 emissions by approximately 20%.*

## ENERGY PACKAGE <sup>E</sup>

### DRIVING CONFORT- FUN TO DRIVE

- Highest power and torque in its class
- 80% of maximum torque available from 1500 rpm
- Engine cut off speed: 5200 rpm
- Among quietest in its class

### BEST IN CLASS FOR FUEL CONSUMPTION AND CO2

- Downsizing
- Continuously variable swirl
- Variable capacity oil pump
- Low pressure EGR (First application in Europe)
- Active thermal management
- Stop and Start
- Smart electrical management

### ENVIRONMENT FRIENDLY

- Euro 5 compliant and Euro 6 ready
- Low CO2 emissions

### MAINTENANCE - TOTAL COST OF OWNERSHIP\*

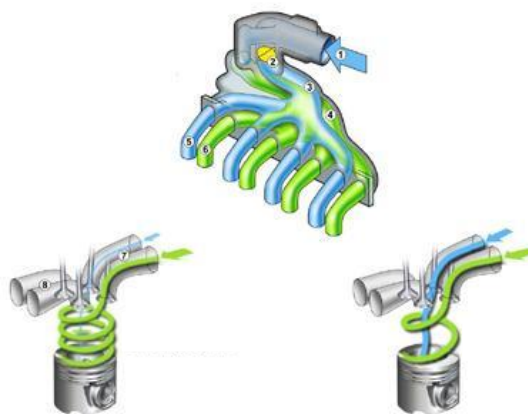
- Timing chain: lifetime
- Oil change intervals: up to 40,000 km
- Diesel Particulate Filter: lifetime

### AVAILABLE TRANSMISSION

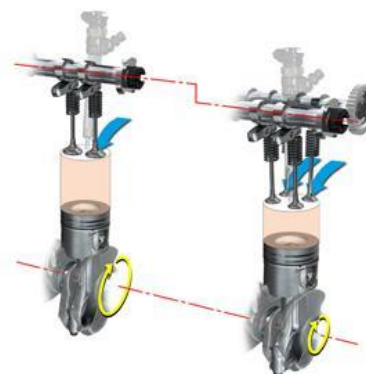
- 6 speed manual transmission

### DRIVETRAIN LAYOUTS

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



Swirl control enables to optimize air/fuel mix



### A WIDE RANGE OF APPLICATIONS

- Highly Adaptive
- C to D segment Cars
- MPV, SUV
- Equips Renault, Nissan vehicles

<sup>E</sup> : 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

# R9M - SPECIFICATIONS

## MAIN SPECIFICATIONS

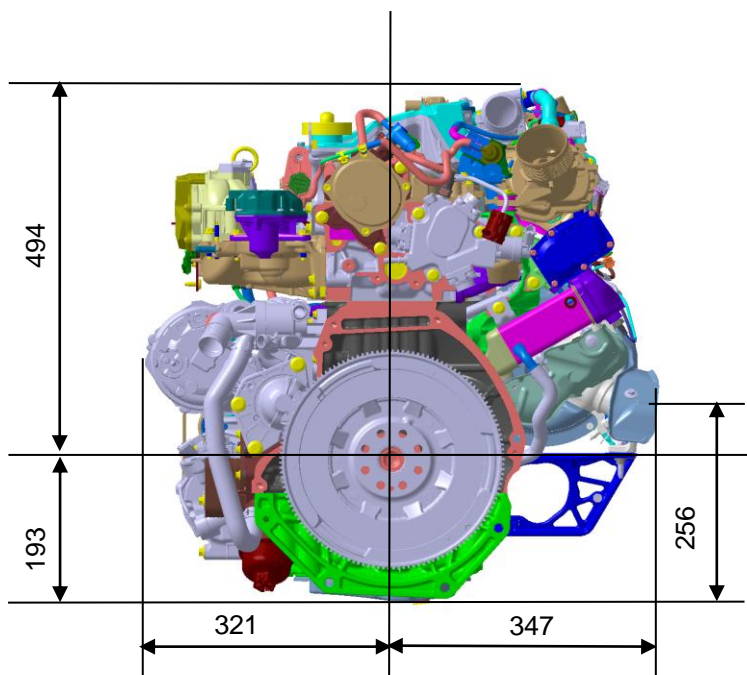
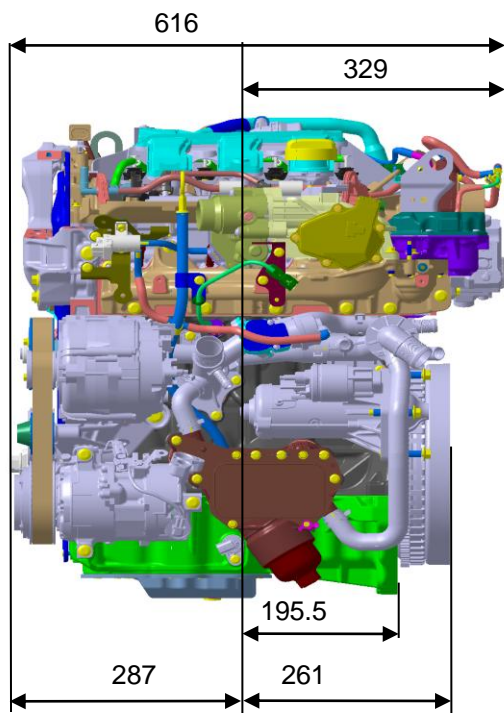
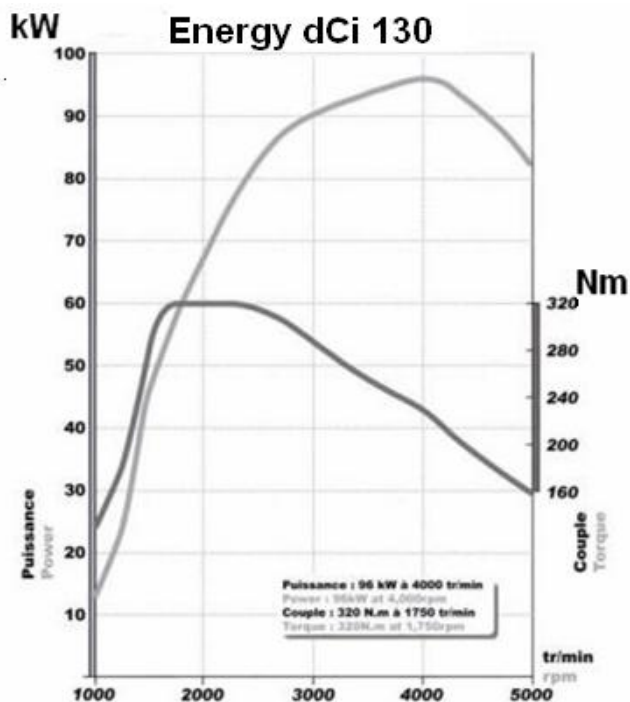
	<b>dCi 130</b>
Number of Cylinders	4
Number of Valves	16
Bore x Stroke (mm)	80 x 79.5
Total Displacement (cc)	1598
Max. Power (kW (PS))	96 (130)
Speed at max Power (RPM)	4000
Max. Torque (Nm (lbf.ft))	320 (236)
Speed at max Torque (RPM)	1750
Compression Ratio	15.4 :1
Fuel Injection	Common Rail Direct Injection
Turbocharger	VNT
Fuel	10 ppm S B30 compatible
Emissions Standard	Euro5 (Euro6 ready)
Dimensions (LxWxH)	616 x 668 x 687
Weight (kg)	175

## 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, 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

# R9M – PERFORMANCE AND MAIN DIMENSIONS



Dimensions in mm

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