



**M9R- dCi 90,115,130,150,175,180,
2.0 dCi Turbo Diesel Euro4 & Euro5**

M9R - CUSTOMER BENEFITS

Co-developed by Renault and Nissan, this 2.0 dCi engine redefined the standards of diesel engines. It is smooth, powerful and silent with strong environmental credentials thanks to Energy package

ENERGY PACKAGE AVAILABLE ^E

- For energy dCi 130 & 150
- Active Thermal management
- Stop and Start
- Smart electrical management
- Variable capacity oil pump

AMONG THE BEST FOR FUEL CONSUMPTION AND CO2

- A fuel injection system Common Rail on 1600 bar (better control of the quality of combustion)
- Piezoelectric injection (optimized multi-injection)

DRIVING COMFORT - FUN TO DRIVE

- Low noise engine: dual mass flywheel and balancer shaft

ENVIRONMENT FRIENDLY

- Complies with two emission standards: Euro4 (without DPF) and Euro5 (with DPF)

MAINTENANCE - TOTAL COST OF OWNERSHIP*

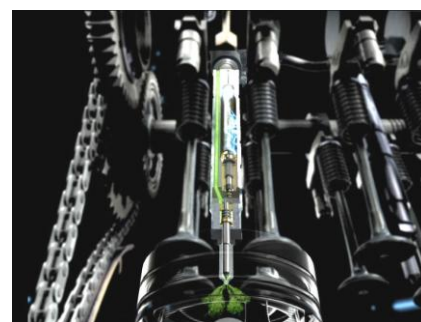
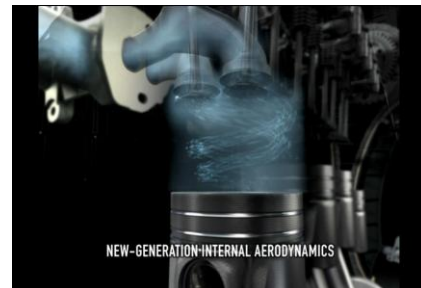
- Timing Chain: lifetime
- Oil change intervals: up to 30,000 km or 2 years
- Diesel Particulate Filter: lifetime
- Cooling liquid: up to 160,000 km / 6 years
- Air Filter: up to 120,000 km
- Ancillary Belt: up to 160,000 km / 6 years

AVAILABLE TRANSMISSIONS

- 6 speed manual transmission gearbox or robotized transmission

DRIVETRAIN LAYOUTS

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



A WIDE RANGE OF APPLICATIONS

- MPV and SUV Vehicles
- LCV
- C to D segment Cars

^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

**Availability depends on required emission standards and vehicle characteristics

M9R - SPECIFICATIONS

MAIN SPECIFICATIONS

	2.0 dCi 90 (especially adapted for LCV)	2.0 dCi 115 (especially adapted for LCV)	2.0 Energy dCi 130 2.0 dCi 130	2.0 Energy dCi 150 2.0 dCi 150	2.0 dCi 175 2.0 dCi 180
Number of Cylinders	4				
Number of Valves	16				
Bore x Stroke (mm)	84 x 90				
Total Displacement (cc)	1995				
Max. Power (kW (PS))	66(90)	85(115)	96(130)	110(150)	127(175) 131(180)
Speed at max. Power (RPM)	3500	3750			
Max. Torque (Nm (lbf.ft))	240(176)	290(213)	320(235)	340(249)	360(264) 400(293)
Speed at max. Torque (RPM)	1500	1750			
Compression Ratio	15.5 : 1				
Fuel Injection	Common Rail Direct Injection				
Injectors	Solenoid injector		Piezo electric injector		
Turbocharger	Waste Gate	Waste Gate	VNT	VNT	VNT
Fuel	Diesel, <50ppm(Euro4) <10ppm(Euro5)				
Emissions Standard	Euro4 Euro5				
Dimensions (LxWxH)	646x641x708				
Weight (kg)	215				

RP 06 2012 - The information in this brochure is given as an indication only and may change without notice

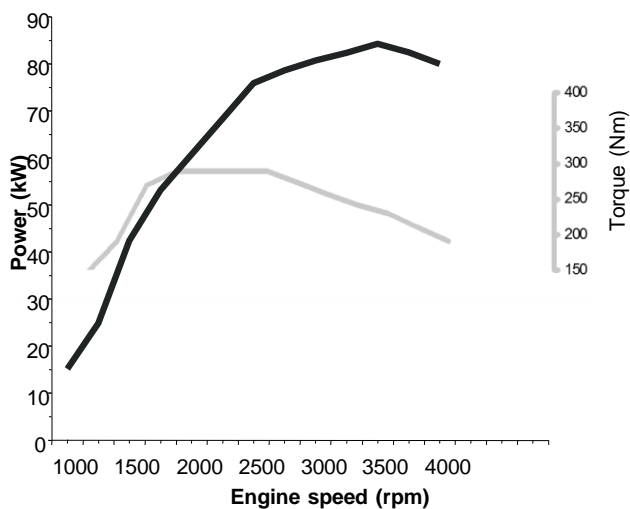
OTHER SPECIFICATIONS

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

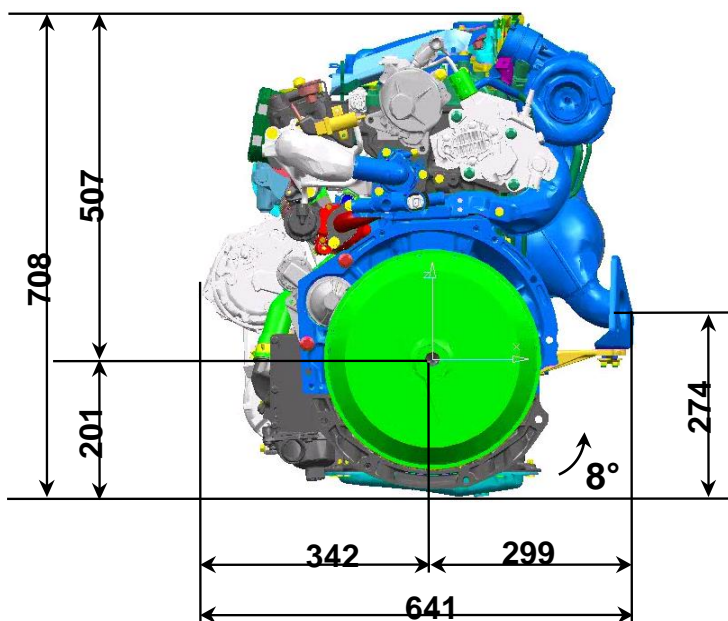
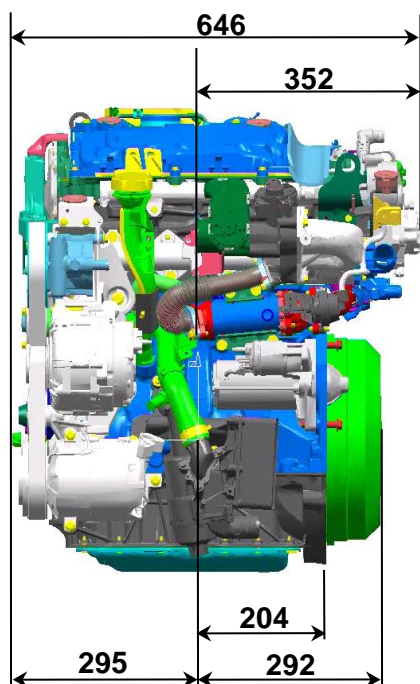
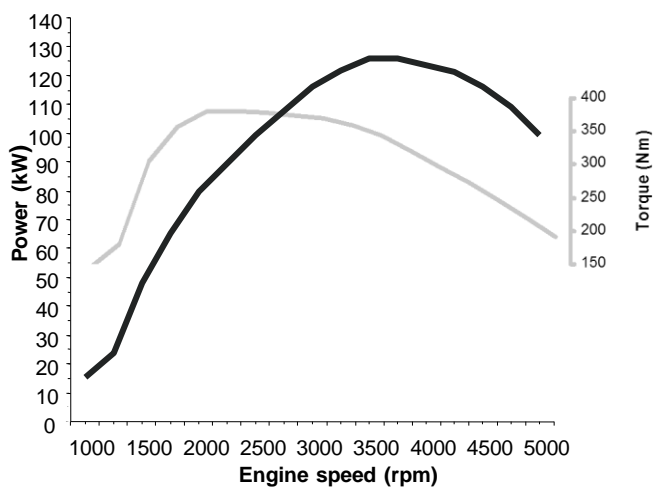
*Hydraulic power steering to be validated by Renault

M9R – PERFORMANCE AND MAIN DIMENSIONS

2.0 dCi 115



2.0 dCi 175



Dimensions in mm

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