

H4Bt – TCe 90 0.9 Turbo MPI - Gasoline Euro5





Renault's first turbocharged, 3-cylinder gasoline engine An all-aluminum 0.9 Energy engine aimed at replacing a naturally aspirated 1.4. It offers the best ratio of its category between drivability and fuel consumption.

#### **ENERGY PACKAGE E**

- Variable Valve Timing (VVT). Combined with an integrated turbo manifold, VVT ensures that maximum torque is available at low engine speeds and across a broad rev-band.
- Stop & Start with ultra fast start-up:
  Reduction in fuel consumption by 25 per cent
- Variable displacement oil pump

#### **DRIVING COMFORT - FUN TO DRIVE**

- Turbocharged three-cylinder 0.9-litre engine (898cc)
- Maximum power: 90PS
- Maximum torque: 135 Nm from 2,000 to 3,500 rpm, with 90 percent available from 1,650 rpm

#### **ENVIRONMENT FRIENDLY**

Euro5 compliant, Euro6 ready

#### **MAINTENANCE - TOTAL COST OF OWNERSHIP\***

- Timing chain: lifetime
- Reduced service intervals

#### **AVAILABLE TRANSMISSIONS**

Manual transmission, 5 speed

#### **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 B segment Cars
- Equips Renault and other manufacturers' vehicles

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

### **MAIN SPECIFICATIONS**

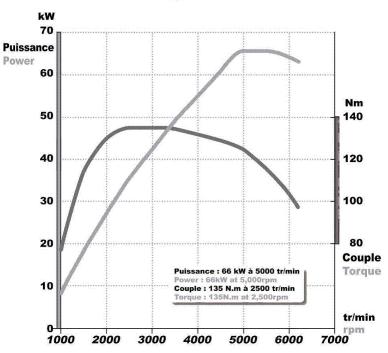
	TCe90
Number of Cylinders	3
Number of Valves	12
Bore x Stroke (mm)	72.2 x 73.1
Total Displacement (cc)	898
Max. Power, kW (HP)	66 (90)
Speed at max power (RPM)	5000
Max. torque (Nm (lbf.ft))	135 (100)
Speed at max torque (RPM)	2000-3500
Compression Ratio	9.5 :1
Fuel Injection	Sequential Multipoint
Turbocharger	Waste Gate
Fuel	RON 95
<b>Emissions Standard</b>	Euro5 (Euro6 ready)
Dimensions (LxWxH)	575 x 637 x 691
Weight (kg)	94

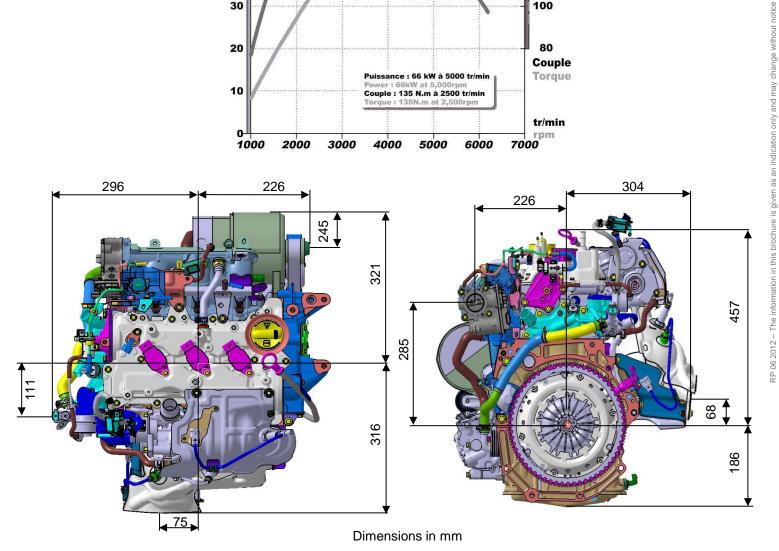
## **OTHER SPECIFICATIONS**

Cylinder Block Material	Aluminum
Cylinder Head Material	Aluminum
Oil Sump Material	Aluminum
<b>Emissions Control System</b>	Catalyst
Power Steering	Electric *
Standard Engine Position	East-West, intake towards the front
Standard Engine Tilt	8 degrees towards exhaust
Electric Interface to vehicle	CAN Bus

# **H4Bt – PERFORMANCE AND MAIN DIMENSIONS**







(www.powertrain.renault.com)



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