



## FORD COMPONENT SALES

# 3.2L Duratorq - TDCI Engine Ranger 194ps

### Technical Specifications

Engine Type: 3.2 L Duratec - TDCI Puma

Block & Head:

Bore x Stroke : 89.9mm x 100.76mm

Displacement: 3198cc

Main Bearings:

Compression Ratio: 15.6 : 1

Fuel Injection:

Valve Operation:

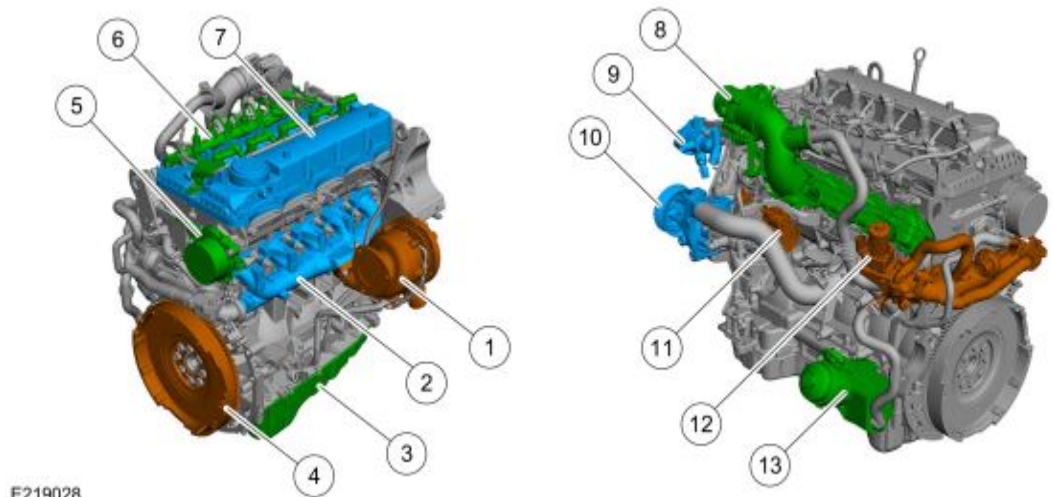
Power: 194PS @3000 RPM

Torque : 470Nm @1750-2500 RPM

Oil Capacity / Spec:  
10 Qts. / SAE

Weight (kgs):  
(Engine as shipped)

Dimensions (mm) H x W x L:  
799 x 926 x 937



E219028

Item	Description
1	Turbocharger
2	Exhaust manifold
3	Oil pan
4	Flywheel
5	Vacuum pump
6	Fuel rail
7	Valve cover
8	Intake manifold
9	Thermostat
10	Coolant pump
11	Fuel pump
12	EGR valve
13	Oil cooler

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## Key Feature and Benefits

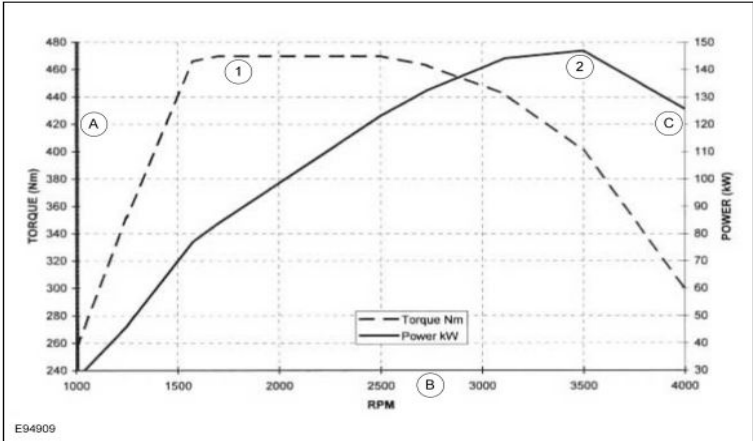
5 Cylinder inline engine

Equipped with oil level/ oil temperature sensor

Cylinder head consists of two parts  
The lower part contains four valves for each combustion chamber and the two camshafts

The camshafts and the fuel injection pump are driven by the crankshaft via the timing chain

The oil pump is located in side the oil pan and is driven by the crankshaft via a chain



Item	Description
A	Torque (Nm)
B	Engine speed (rpm)
C	Power (kW)
1	Torque curve for the 147 kW engine (200 PS)
2	Power curve for the 147 kW engine (200 PS)

Specifications, features, and benefits applicable to engines and transmissions are based on Ford products, and may vary with different applications. Pictures and details shown are for illustrative purposes only (actual product may vary). Additionally, the availability of the product(s) described herein may vary. Contact Ford Component Sales, for details. Power curve correct at time of publication