

Engine - 1.5L EcoBoost (118kW / 160PS) – I4 - Specifications



Engine data

Description				
Engine code	UNCA, UNCB	UNCE, UNCF, UNCN	UNCC, UNCD	UNCG, UNCH
Emission level	Stage V	Stage VI	Stage V	Stage V
Firing order	1-2-4-3			
Bore	79.0 mm			
Stroke	76.4 mm			
Engine Capacity	1499 cm³			
Compression ratio	10:1			
Power output	118 kW (160 PS) / 5700 rpm		110 kW (149 PS) / 5700 rpm	132 kW (180 PS) / 5700 rpm
Torque	240 Nm / 1600 - 4000 rpm			
Maximum permissible engine speed (continuous)	6500 rpm			
Maximum permissible engine speed (intermittent)	6675 rpm			
Idle speed	750 rpm			
Maximum oil consumption	0.5 L / 1000 km			

Engine Oil

Viscosity / ambient temperature	Specification
Engine oil	
SAE 5W-20	Material: WSS-M2C948-B (Engine Oil - SAE 5W-20)

Oil pressure

Description	bar
Minimum oil pressure at an oil temperature of 80°C and an engine speed of 800 rpm	0.99
Minimum oil pressure at an oil temperature of 80°C and an engine speed of 2000 rpm	1.99

Engine oil capacity

Description	Liter
Initial fill including oil filter	4.85
Service fill including oil filter	4.05
Service fill without oil filter	3.75

Valve clearances

Description	mm
Valve clearance (engine cold) - intake valves	0.255-0.345
Valve clearance (engine cold) - exhaust valves	0.395-0.485

Cylinder head

Description	mm
Maximum distortion (mating face)	0.05

Lubricants, Fluids, Sealers and Adhesives

Item	Specification
Oil pan contact surface to oil seal carrier, oil pan to cylinder block, oil pan to oil pump sealant	Material: WSE-M4G323-A6 (RTV Silicone Sealant)
Camshaft bearing cap, fuel pump drive assembly and VCT-bridge to cylinder head sealant	Material: WSS-M2G348-A11 (Flange Sealant)
Silicone grease	Material: ESE-M1C171-A (Grease - Silicone)