

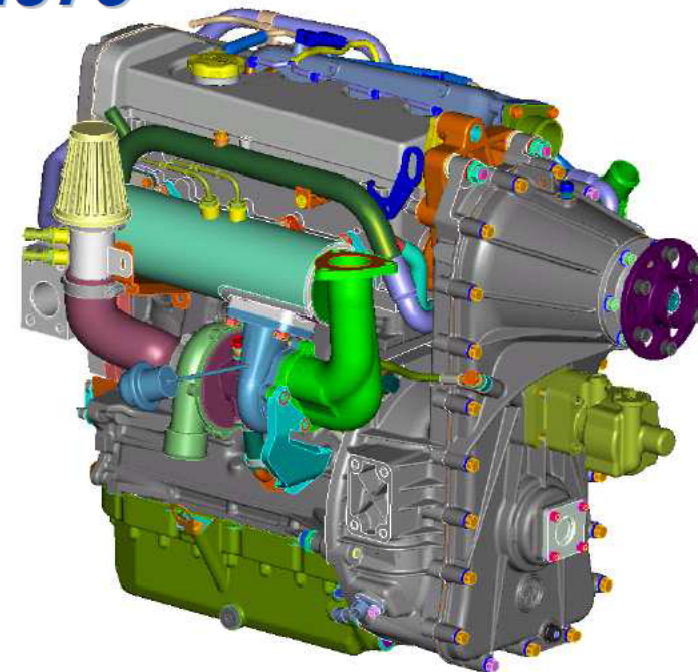
The 1.9 liter 8V Diesel engine



Architecture	-	4 cylinder in line
Bore	mm	82.0
Stroke	mm	90.4
Displacement	cm3	1910
Valves / cylinder	#	2
Compression ratio (*)	-	16.0
Turbocharger (*)	-	Single Stage - WG
Fuel Injection Sys. (*)	-	Common Rail 1600 bar
Injector Nozzle (*)	-	6 holes x 650 cm3/30 sec
Fuel (*)		Kerosene & Diesel Fuel EN 590
Alternator (*)	volt	28
EECS (*)	-	DUAL FADEC ECU
Weight with gearbox	Kg	190
Dimensions LxWxH	mm	840 x 585 x 645 with gearbox
Take Off Power	kW	121 (at propeller shaft) (165 CV)
Continous Power	kW	110 (at propeller shaft)
Critical altitude	ft	8000
Min. BSFC	g/kWh	225 (at propeller shaft)

TC EASA.E.079

TDA CR 1.9 8V



(*) Specific of avio engine

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