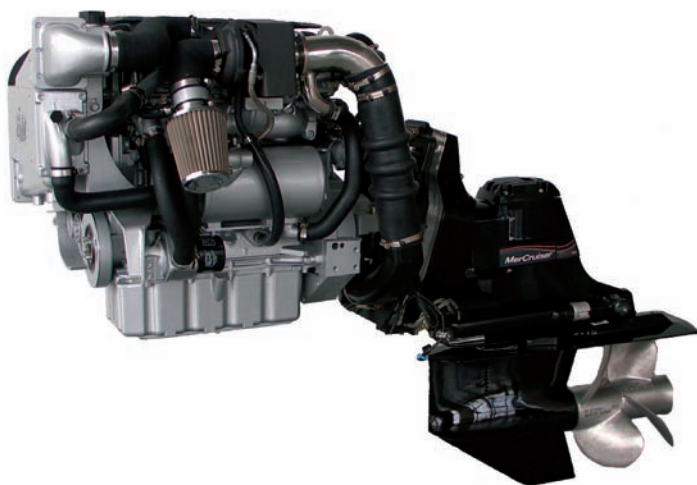




MARINE DIESEL ENGINES



FNM HPEP 190

Configuration	4-stroke cycle, twin camshaft, 16 V
Maximum output at crankshaft	140 kW/190 hp at 4000 rpm
Maximum output at propeller	132,7 kW/185 hp a 4000 rpm
Maximum torque	372 Nm at 2400 rpm
Displacement	1.910 c.c.
Bore x stroke	82 x 90,4 mm
Cylinders	4, in-line
Combustion system	Direct injection Common rail
Aspiration	Supercharged with variable geometry turbo
Starting system	Electric starting 12 V – 2,1 kW
Alternator	14 V – 105 A
Cooling system	Double water cooling system with heat exchanger
Lubrication system	Totally enclosed, forced lubricating system with pump
Max. mounting inclination	14°
Dry weight without gear	240 kg
Environmental	RCD 2003/44/CE ed EPA TIER 2
Engine mounting	Rubber type anti-vibration mounting

