

Marine Commercial N40

N40 250 E

147 kW

Rating type B: 147 kW (200 HP) @ 2800 rpm

Rating type C: 125 kW (170 HP) @ 2800 rpm

Rating type D: - kW (- HP) @ - rpm

SPECIFICATIONS

Thermodynamic cycle	Diesel 4 stroke	
Air handling	TCA	
Cylinders arrangement	4L	
Bore x Stroke	millimeters	102 x 120
Total displacement	liters	3.9
Valves per cylinder	number	4
Cooling System	liquid	
Direction of Rotation (viewed facing flywheel)	CCW	
Engine management	by EDC (Electronic Diesel Control)	
Injection System	CR	

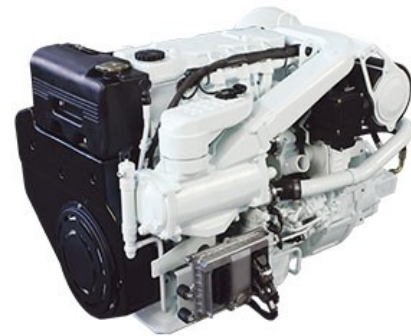
STANDARD CONFIGURATION

Flywheel housing	type	SAE 3
Flywheel size	inch	11" ½
Air filter	rear side	
Turbocharger	Fixed Geometry (water cooled) Turbo with Aftercooler (TCA)	
Heat exchanger	tube type	
Exhaust gas water mixer - Exhaust cooled elbow	-	
Water charge tank	included	
Fuel filter	number	1
Fuel prefilter	included (loose)	
Fuel pump	included	
Oil filter	number	1
Oil sump	aluminium	
Oil vapours blow-by circuit	rear	
Oil heat exchanger	built in the crankcase	
Oil filler	by cylinder head cover	
Starter	12V - 3kW	
Alternator	12 V - 90 A	
Engine stop device	by electronic central unit	
Wiring harness	with negative to ground connection	
Painting color	white "ICE"	

WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	850 x 708 x 785
Dry Weight	Kg	490

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

ELECTRICAL SYSTEM

Voltage	V	12
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NOT INCLUDED IN STANDARD CONFIGURATION

Battery - minimum capacity recommended	Ah	120 Ah
Battery - minimum cold cranking capacity recommended	Ah	900 Ah

LEGEND

Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
L (in line)	TCA (Turbocharged with aftercooler)	WG (Wastegate)	M (Mechanical)	EGR (Exhaust Gas Recirculation)
V (90° "V" configuration)	TC (Turbocharged)	VG (Variable Geometry Turbocharger)	CR (Common Rail)	SCR (Selective Catalytic Reduction)
	NA (Naturally Aspirated)	TST (Twin Stage Turbocharger)	EUI (Electronic Unit Injector)	
			MPI (Multi Point Injection)	

- A1** High Performance Crafts. Full throttle operation restricted within 10% of total use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 300 hours per year.
- A2** Pleasure Commercial Vessels. Full throttle operation restricted within 10% of total use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 1000 hours per year.
- B** Light Duty: Full throttle operation restricted within 10% of use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 1500 hours per year.
- C** Medium Duty: Full throttle operation < 25% of use period. Cruising speed at engine rpm <90% of rated speed setting - Maximum usage 3000 hours per year.
- D** Heavy Duty

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SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

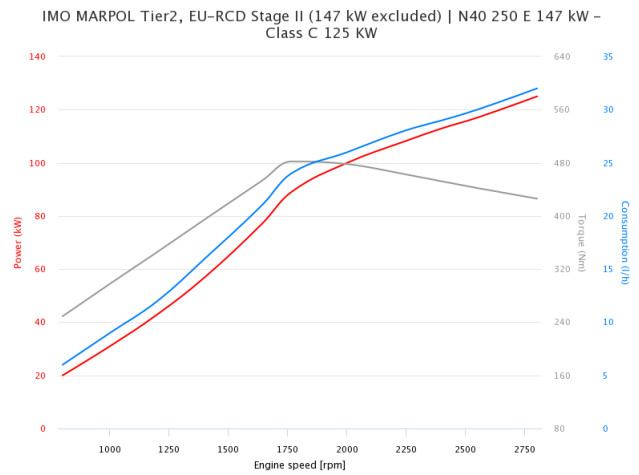
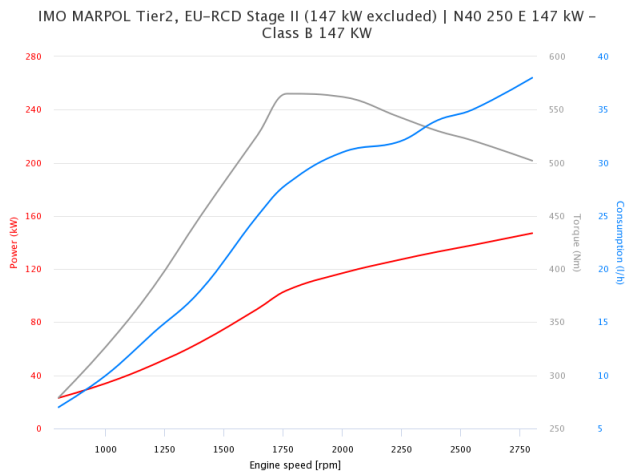


RATING TYPE

		B	C	D
Maximum power [*]	kW (HP)	147 (200)	125 (170)	- (-)
At speed	rpm	2800	2800	-
Maximum no load governed speed at max rating	rpm	3000	3000	-
Minimum idling speed	rpm	700	700	-
Mean piston speed at rated speed	m/s	11.2	11.2	-
BMEP at max power	bar	18.3	15.6	-
Specific fuel consumption at full load (best value)	g/kWh @ rpm	212 @ 2400	212 @ 2400	-
Oil consumption at max rating	(% of fuel cons.)		= 0.1	
Minimum starting temperature without auxiliaries	°C		-10°	
Oil and oil filter maintenance interval for replacement	hours		600	

* Net Power at flywheel according to ISO 3046/1, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%.

POWER & TORQUE



MARINE

LEGEND

Arrangement	Air Handling	Turbocharger	Injection System	Exhaust System
L (in line)	TCA (Turbocharged with aftercooler)	WG (Wastegate)	M (Mechanical)	EGR (Exhaust Gas Recirculation)
V (90° "V" configuration)	TC (Turbocharged)	VGT (Variable Geometry Turbocharger)	CR (Common Rail)	SCR (Selective Catalytic Reduction)
	NA (Naturally Aspirated)	TST (Twin Stage Turbocharger)	EUI (Electronic Unit Injector)	
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