



MARINE DATA SHEET

N40 250 E

184 kW

**Our efficiency.
Your edge.**

SPECIFICATIONS

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

STANDARD CONFIGURATION

Flywheel housing	SAE 3
Flywheel size	11" $\frac{1}{2}$
Air filter	rear side
Turbocharger	Fixed Geometry (water cooled) Turbo with Aftercooler (TAA)
Heat exchanger	tube type
Exhaust gas water mixer - Exhaust cooled elbow	-
Water charge tank	included
Fuel filter	1
Fuel prefilter	included (loose)
Fuel pump	included
Oil filter	1
Oil sump	aluminium
Oil vapours blowby circuit	rear
Oil heat exchanger	built in the crankcase
Oil filler	n° 1
Starter	12 V - 3 kW
Alternator	12 V - 90 A
Engine stop device	by electronic central unit
Wiring harness	with negative to ground connection
Painting color	white "ICE"

Legend

Arrangement

L In line
V 90° "V" configuration

Air Handling

TCA Turbocharged with aftercooler
TC Turbocharged
NA Naturally Aspirated

Turbocharger

WG Wastegate
VGT Variable Geometry Turbocharger
TST Twin Stage Turbocharger

Exhaust System

EGR Exhaust Gas Recirculation
SCR Selective Catalytic Reduction

Injection System

M Mechanical
ECR Electronic Common Rail
EUI Electronic Unit Injector
MPI Multi Point Injection

WEIGHT AND DIMENSIONS

Dimensions*	(L**xWxH) 850 x 708 x 785 mm
Dry Weight	490 Kg

* Dimensions can be changed according to engine options

** Length at flywheel

ELECTRICAL SYSTEM

Voltage	12 V
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NOT INCLUDED IN STANDARD CONFIGURATION

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

RATING TYPE

A1

B

C

		A1	B	C
Maximum power [*]	kW(HP)	184 (250)	147 (200)	125 (170)
At speed	rpm	2800	2800	2800
Maximum no load governed speed at max rating	rpm	3000	3000	3000
Minimum idling speed	rpm	700	700	700
Mean piston speed at rated speed	m/s	11.2	11.2	11.2
BMEP at max power	bar	22.1	18.3	15.6
Specific fuel consumption at full load (best value)	g/kWh @ rpm	217.4	216.7	216.7
Oil consumption at max rating	(% of fuel cons.)	< 0.1	< 0.1	< 0.1
Minimum starting temperature without auxiliaries	°C	-10°	-10°	-10°
Oil and oil filter maintenance interval for replacement	hours	600	600	600

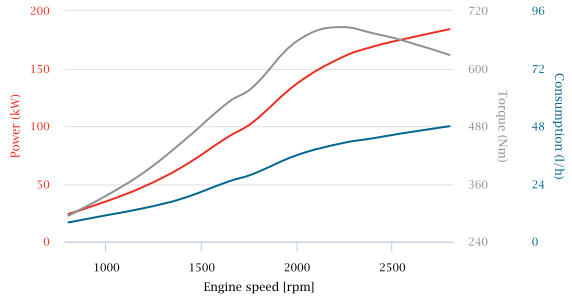
* Net Power at flywheel according to ISO 3046/1, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%.

Rating

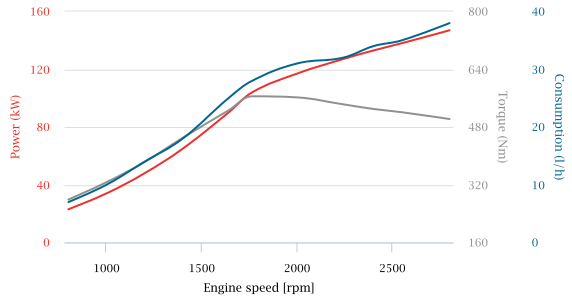
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| <p>A1 High performance crafts. Full throttle operation restricted within 10% of total use period Cruising speed at engine rpm <90% of rated speed setting. Maximum useage 300 hours per year.</p> <p>A2=B1 Pleasure/commercial vessels. Full throttle operation restricted within 10% of total use period Cruising speed at engine rpm <90% of rated speed setting. Maximum useage 1000 hours per year.</p> | <p>B Light duty. Full throttle operation restricted within 10% of total use period. Cruising speed at engine rpm <90% of rated speed setting. Maximum useage 1500 hours per year.</p> <p>C Medium duty. Full throttle operation <25% of use period. Cruising speed at engine rpm <90% of rated speed setting. Maximum useage 3000 hours per year.</p> <p>D Heavy duty.</p> |
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POWER & TORQUE

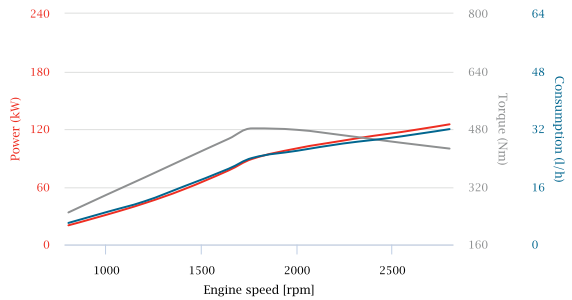
IMO MARPOL Tier2
EU-RCD Stage II
EU-IWV Stage IIIA,
EU-CCNR Stage II
N40 250 E 184 kW -
Class A1 184 kW

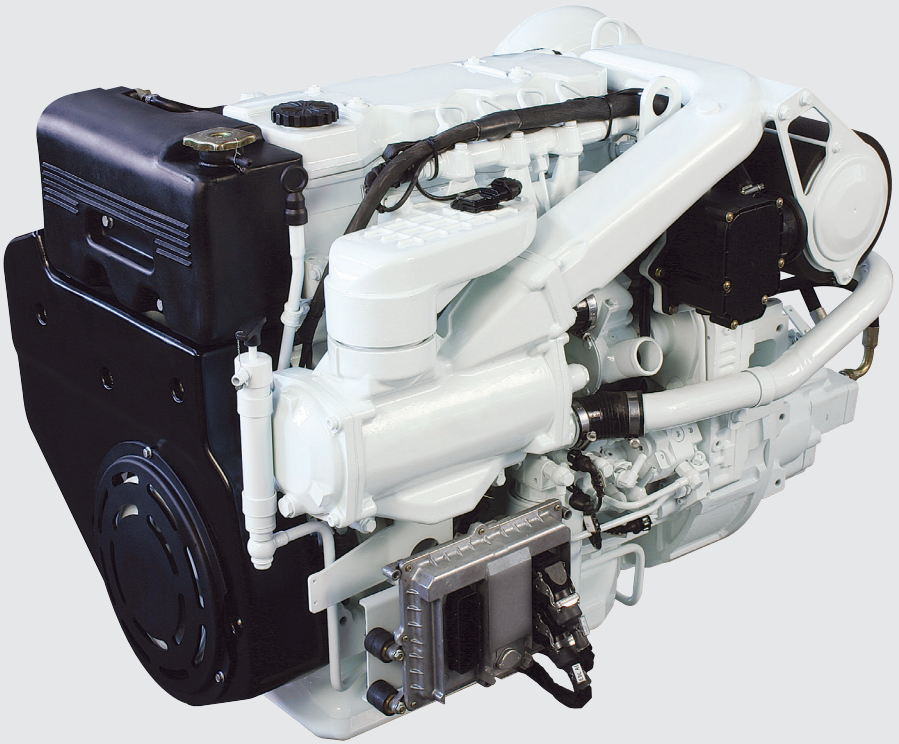


IMO MARPOL Tier2
EU-RCD Stage II
EU-IWV Stage IIIA
EU-CCNR Stage II
N40 250 E 184 kW -
Class B 147 kW



IMO MARPOL Tier2,
EU-RCD Stage II,
EU-IWV Stage IIIA
EU-CCNR Stage II
N40 250 E 184 kW -
Class C 125 kW





Rating type A1: 184 kW (250 HP) @ 2800 rpm
Rating type B: 147 kW (200 HP) @ 2800 rpm
Rating type C: 125 kW (170 HP) @ 2800 rpm



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