Marine
Pleasure
N67

N67 450 E
331 kW

Rating type A1:	331 kW (450 HP) @ 3000 rpm
Rating type A2:	309 kW (420 HP) @ 3000 rpm
Rating type B:	272 kW (370 HP) @ 3000 rpm
Rating type C:	258 kW (350 HP) @ 3000 rpm

SPECIFICATIONS

Thermodynamic cycle		Diesel 4 stroke
Air handling		TCA
Cylinders arrangement		6L
Bore x Stroke	millimeters	104 x 132
Total displacement	liters	6.7
Valves per cylinder	number	4
Cooling System		liquid
Direction of Rotation (viewed facing flywheel)		CCW
Engine management		by EDC (Electronic Diesel Control)
Injection System		ECR

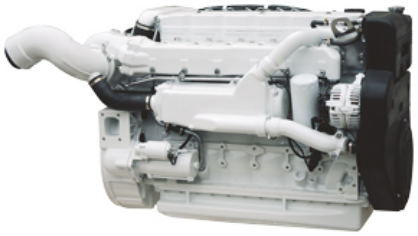
STANDARD CONFIGURATION

Flywheel housing	type	SAE 3
Flywheel size	inch	11" ½
Air filter		rear side
Turbocharger		Waste Gate (water cooled) Turbo with Aftercooler (TCA)
Heat excharger		tube type
Exhaust gas water mixer - Exhaust cooled elbow		-
Water charge tank		included
Fuel filter	number	1 - left side
Fuel prefilter		included (loose)
Fuel pump		included
Oil filter	number	1 - right side
Oil sump		aluminium
Oil vapours blowby 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)	1089 x 724 x 788
Dry Weight	Kg	600

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

MARINE

ELECTRICAL SYSTEM

Voltage	V	12

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)	VGT (Variable Geometry Turbocharger)	ECR (Electronic 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

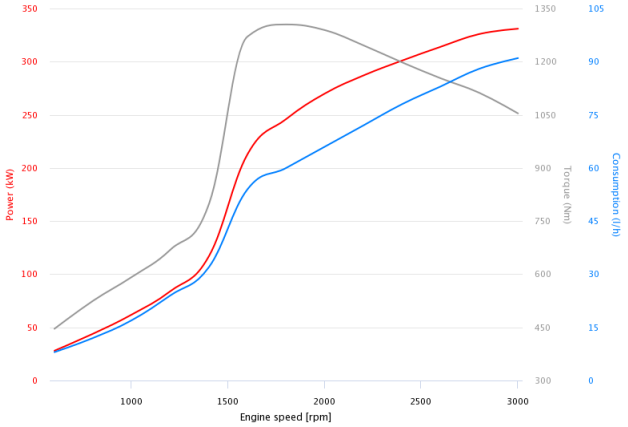
RATING TYPE

		A1	A2	B	C
Maximum power [*]	kW (HP)	331 (450)	309 (420)	272 (370)	258 (350)
At speed	rpm	3000	3000	3000	3000
Maximum no load governed speed at max rating	rpm	3150	3150	3150	3150
Minimum idling speed	rpm	600	600	600	600
Mean piston speed at rated speed	m/s	13.2	13.2	13.2	3150
BMEP at max power	bar	25.2	24.1	23.5	23
Specific fuel consumption at full load (best value)	g/kWh @ rpm	231 @ 3000	228 @ 3000	227 @ 3000	225 @ 3000
Oil consumption at max rating	g/kWh @ rpm		= 0.2		
Minimum starting temperature without auxiliaries	°C		-10°		
Oil and oil filter maintenance interval for replacement	hours		600		

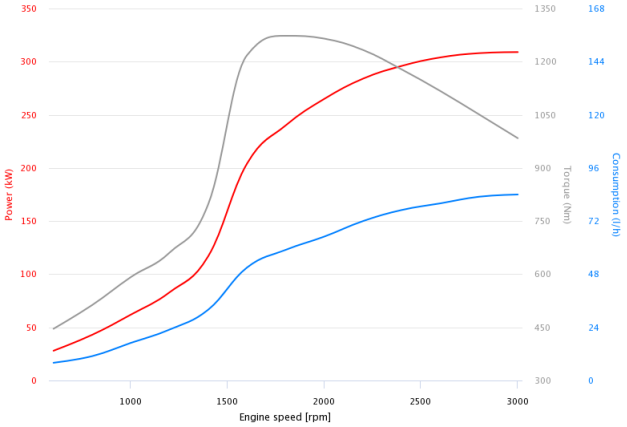
* Net Power at flywheel according to ISO 3046/1, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%.

POWER & TORQUE

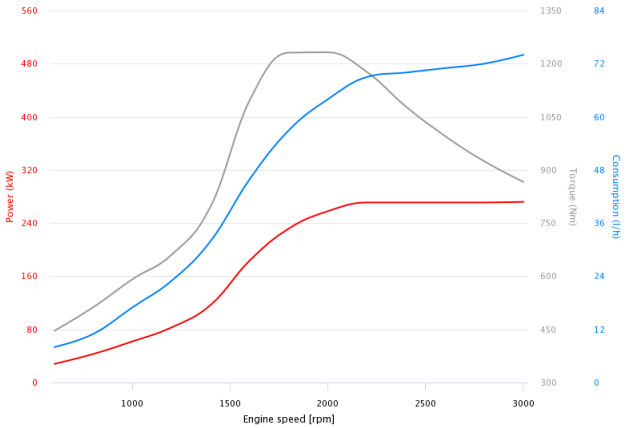
IMO MARPOL Tier2, IMO MARPOL CHINA, EU-RCD Stage II, EU-IWV Stage IIIA, EU-CCNR Stage II | N67 450 E 331 kW - Class A1 331 KW



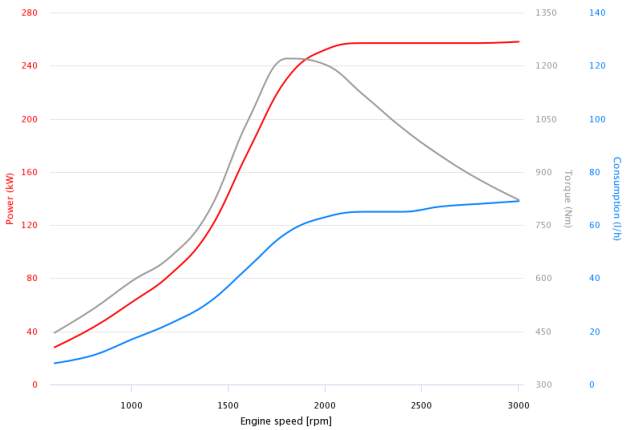
IMO MARPOL Tier2, IMO MARPOL CHINA, EU-RCD Stage II, EU-IWV Stage IIIA, EU-CCNR Stage II | N67 450 E 331 kW - Class A2 309 KW



IMO MARPOL Tier2, IMO MARPOL CHINA, EU-RCD Stage II, EU-IWV Stage IIIA, EU-CCNR Stage II | N67 450 E 331 kW - Class B 272 KW



IMO MARPOL Tier2, IMO MARPOL CHINA, EU-RCD Stage II, EU-IWV Stage IIIA, EU-CCNR Stage II | N67 450 E 331 kW - Class C 258 KW



MARINE

LEGEND

Arrangement
- L (in line)
- V (90° "V" configuration)

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- TCA (Turbocharged with aftercooler)
- TC (Turbocharged)
- NA (Naturally Aspirated)

Turbocharger
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- ECR (Electronic Common Rail)
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FPT POWERTRAIN TECHNOLOGIES