



MARINE DATA SHEET

N67 280

FIXED SPEED AUXILIARY

**Our efficiency.
Your edge.**

SPECIFICATIONS

Thermodynamic cycle	Diesel 4 stroke
Air handling	TCA
Cylinders arrangement	6L
Bore x Stroke	104 x 132 mm
Total displacement	6.7 liters
Valves per cylinder	2
Cooling System	Liquid
Direction of Rotation (viewed facing flywheel)	CCW (Counterclockwise)
Engine management	Mechanical
Injection System	M

STANDARD CONFIGURATION

Flywheel housing	SAE 3
Flywheel size	11" $\frac{1}{2}$
Air filter	Rear side
Turbocharger	Fixed Geometry (water cooled)Turbo with Aftercooler (TCA)
Cooling type	Heat Exchanger Tube Type
Exhaust gas water mixer - Exhaust cooled elbow	-
Water charge tank	Included
Fuel filter	1 - left side
Fuel prefilter	Included (loose)
Fuel pump	Included
Oil filter	1 - right side
Oil sump	Aluminium
Oil vapours blowby circuit	Rear
Oil heat exchanger	Built in the crankcase
Oil filler	On timing cover frontward
Starter	12 V - 3 kW
Alternator	12 V - 90 A
Engine stop device	Electrical excitation
Wiring harness	Engine wiring
Painting color	Grey RAL 7021

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
CR Common Rail
EUI Electronic Unit Injector
MPI Multi Point Injection

WEIGHT AND DIMENSIONS*

Dimensions	(L**xWxH) 1072 x 749 x 800 mm
Dry Weight	605 Kg

* Weight and dimensions can be changed according to engine options and configurations
** Lenght at flywheel

ELECTRICAL SYSTEM

Voltage	12 V
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NOT INCLUDED IN STANDARD CONFIGURATION - BASEFRAME AND GENSET ALTERNATOR
(SOS DIESEL ENGINE ONLY)

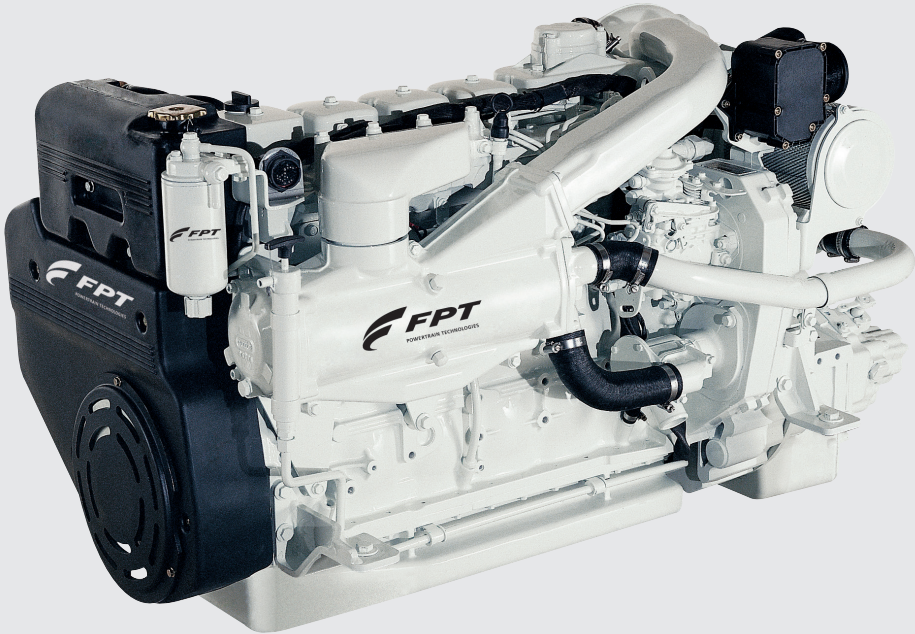
Battery - minimum capacity recommended	120 Ah
Battery - minimum cold cranking capacity recommended	900 Ah

RATING TYPE		PRP	PRP
Maximum power [*]	kWm	100	98
At speed	rpm	1500	1800
Specific fuel consumption (rated speed)	g/kWh @ rpm	214 @ 1500	213 @ 1800
Oil consumption at max rating	% of fuel cons.	0,25%	0,25%
Oil and oil filter maintenance interval for replacement	hours	600	600

* Net Power at flywheel according to ISO 8665, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%.

Rating

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.	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.
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.	D	Heavy duty.
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.	PRP	Prime Power conforms to ISO 8528. Unlimited hours per year. Maximum mean load factor of 70% of rated power over 24h of operation. Overload +10% (maximum of 1 h in 12 h,maximum in 25 h per year).



Rating type PRP:
Rating type PRP:

100 kWm @ 1500 rpm
98 kWm @ 1800 rpm



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