

Specifications

Thermodynamic cycle		Diesel 4 stroke
Air intake		TCA
Arrangement		6L
Bore x Stroke	mm	104 x 132
Total displacement	l	6.7
Valves per cylinder	n.	4
Cooling system		liquid
Direction of rotation (viewed facing flywheel)		CCW
Engine management		by EDC (Electronic Diesel Control)
Injection system		Electronic Common Rail (E.C.R.)

Electrical system

Voltage	V	12
---------	---	----

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 exchanger		tube type
Exhaust gas - water mixer		-
Water charge tank		included
Fuel filter	n.	1 - left side
Fuel prefilter		included (loose)
Fuel pump		included
Oil filter	n.	1 - right side
Oil sump		aluminium
Oil vapours blow-by circuit		rear
Oil heat exchanger		built in the crankcase
Oil filler		by cylinder head cover
Starting motor		12V - 3kW
Alternator		12V - 90A
Engine stop device		by electronic central unit
Electrical wiring		with negative to ground connection
Painting	color	white "ICE"

Not included in the standard configuration

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

FPT OFFERS THE WIDEST AVAILABILITY OF ENGINE BUILD OPTIONS TO CUSTOMER SPECIFIC REQUIREMENTS WITHIN THE ENGINE SUPPLY. TO FIND OUT MORE ABOUT THE CONFIGURATIONS AND ACCESSORIES WHICH ARE AVAILABLE, CONTACT THE FPT SALES NETWORK.

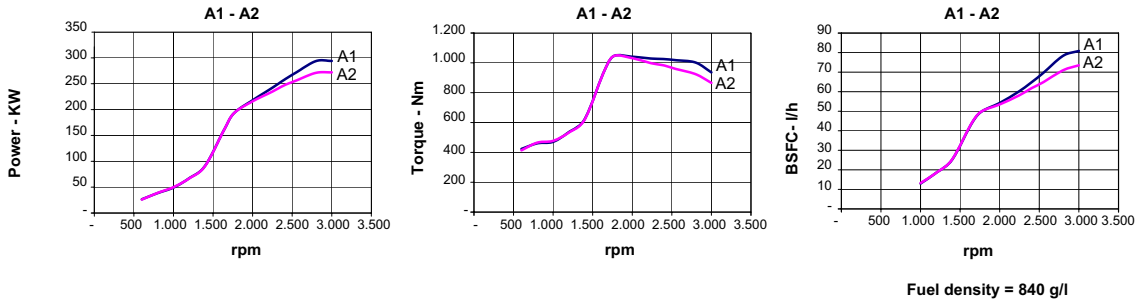
N67 450PD

Rating type

		A1	A2
Maximum power [*]	kW(HP)	331 (450)	309 (420)
At speed	rpm	3000	3000
Maximum no load governed speed at max rating	rpm	3150	3150
Minimum idling speed	rpm	600	600
Mean piston speed at rated speed	m/s	13.2	13.2
BMEP at max power	kg/cm ²	25.2	24.1
Specific fuel consumption at full load	g/kWh @ rpm	231@ 3000	
Oil consumption at max rating	(% of fuel cons.)	≤ 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 8665, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%.

Test conditions: 25 °C air temperature, 100 kPa atmospheric pressure, 30 % relative humidity.



A1 = High performance crafts.

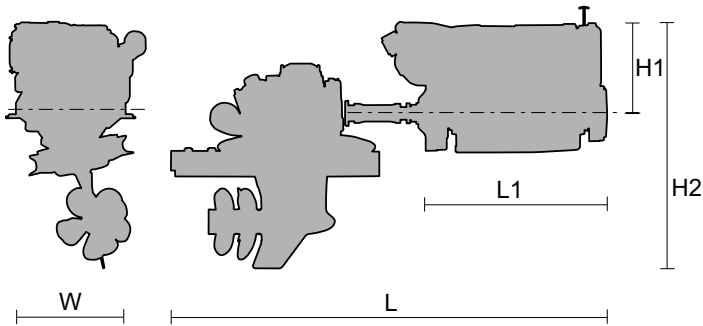
A2 = Pleasure/commercial vessels:

Full throttle operation restricted within 10% of the total use period. Cruising speed at engine rpm < 90% of the rated speed - Maximum useage:

- 300 hours per year (A1 service)
- 500 hours per year (A2 service)

Pod drive unit

Engine	POD	POD Ratios
N67 450	ZF 2800-1	1.37 - 1.46 - 1.52:1



- L 1 = 1090 mm.
- L * = 2393 mm.
- W = 822 mm.
- H 1 = 552 mm.
- H 2 = 1486 mm.
- **Dry weight = 860 kg.

*L= Length with supported elastic joint Vulkardan E and 370mm cardan shaft

**Dry weight without elastic joint - cardan shaft - propellers

Publication P3D06N012E - 09.12
Specifications subject to change without notice.
Illustrations may include optional equipment.