MARINE
Pleasure
N45

N45 100
74 kW

Rating type A1: 74 kW (100 HP) @ 2800 rpm

SPECIFICATIONS

Thermodynamic cycle		Diesel 4 stroke
Air Feeding		NA
Cylinders arrangement		4L
Bore x Stroke	millimeters	104 x 132
Total displacement	liters	4.5
Valves per cylinder	number	2
Cooling System		liquid
Direction of Rotation (viewed facing flywheel)		CCW
Engine management		mechanical
Injection System		MPI

STANDARD CONFIGURATION

Flywheel housing	type	SAE 3
Flywheel size	inch	10"
Air filter		left side
Turbocharger		Naturally Aspirated (NA)
Heat excharger		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		cast iron
Oil vapours blowby circuit		on valve cover
Oil heat exchanger		built in the crankcase
Oil filler		by cylinder head cover
Starter		12V - 3kW
Alternator		12 V - 90 A with W contact
Engine stop device		electrical excitation
Wiring harness		with negative to ground connection
Painting color		white “ICE”

WEIGHT AND DIMENSIONS

Dimensions (L x W x H)	mm	811 x 700 x 836
Dry Weight	Kg	450

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

PLEASURE

ELECTRICAL SYSTEM

Voltage	V	12

NOT INCLUDED IN STANDARD CONFIGURATION

Battery - minimum capacity recommended	Ah	180 Ah
Battery - minimum cold cranking capacity recommended	Ah	800 Ah

Do you want to know more? CONTACT US

LEGEND

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

FOR INFORMATION ON THE AVAILABLE RATINGS NOT LISTED IN THIS DOCUMENT PLEASE CONTACT THE FPT INDUSTRIAL SALES NETWORK OR VISIT OUR SITE WWW.FPTINDUSTRIAL.COM

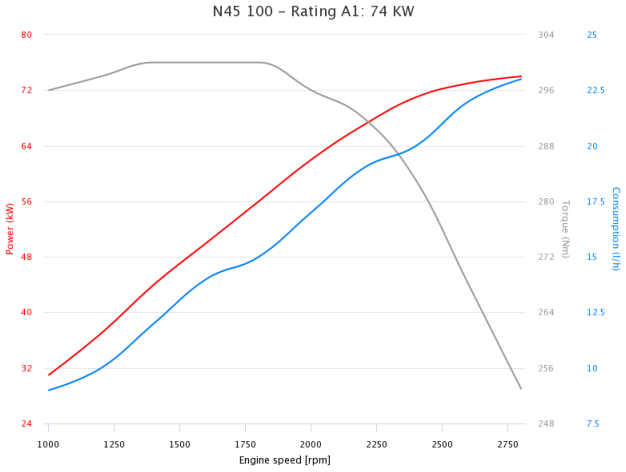
SPECIFICATION SUBJECT TO CHANGE WITHOUT NOTICE

RATING TYPE

		A1
Maximum power [*]	kW (HP)	74 (100)
At speed	rpm	2800
Maximum no load governed speed at max rating	rpm	3100
Minimum idling speed	rpm	650
Mean piston speed at rated speed	m/s	12.3
BMEP at max power	bar	8.6
Specific fuel consumption (best value)	g/kWh @ rpm	230 @ 1800
IMO Marpol Tier 2 (IMO Annex VI Technical Code 2008)		-
RCD Stage 2 (2013/53/EC)		-
IWV Stage V (EU 2016/1628)		-
EPA Tier 3 Commercial		-
EPA Tier 3 Recreational		-
China GB I (GB15097-2016)		-
China GB II (GB15097-2016)		-
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 8665, after 50 hours running, Fuel Diesel EN 590. Power tolerance 5%.

POWER & TORQUE



PLEASURE

LEGEND

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

Air Handling
TC (Turbocharged)
NA (Naturally Aspirated)
TCA (Turbocharged with aftercooler)

Turbocharger
WG (Wastegate)
VGT (Variable Geometry Turbocharger)
TST (Twin Stage Turbocharge)

Injection System
M (Mechanical)
CR (Common Rail)
EUI (Electronic Unit Injector)
MPI (Multi Point Injection)

Exhaust System
EGR (Exhaust Gas Recirculation)
SCR (Selective Catalytic Reduction)

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