

Power Generation

G-Drive

N45

N45 TM2A
96 kWm @ 1500 rpm
Stage II

SPECIFICATIONS

Thermodynamic Cycle		Diesel 4 stroke
Arrangement		4L
Air Handling		TCA
Bore x Stroke	millimeters	104 x 132
Total Displacement	liters	4.5
Cooling System		liquid (water - paraflu 50%)
Direction of Rotation (viewed facing flywheel)		CCW
Speed governor		Mechanical
Injection System		M
Flywheel housing	type	-
Flywheel size	inch	-
Oil and oil filter maintenance interval for replacement	hours	600
Specific fuel consumption at 1500 Stand-by	l/h (g/kWh)	- (-)
Specific fuel consumption at 1500 100% Prime Power	l/h (g/kWh)	22 (207.7)
Specific fuel consumption at 1500 80% Prime Power	l/h (g/kWh)	16.2 (203.5)
Specific fuel consumption at 1500 50% Prime Power	l/h (g/kWh)	11 (206.5)
Specific fuel consumption at 1800 Stand-by	l/h (g/kWh)	- (-)
Specific fuel consumption at 1800 100% Prime Power	l/h (g/kWh)	26.3 (221)
Specific fuel consumption at 1800 80% Prime Power	l/h (g/kWh)	19.6 (220)
Specific fuel consumption at 1800 50% Prime Power	l/h (g/kWh)	13.5 (226)
ATB (without canopy) at 1500	°C	55
ATB (without canopy) at 1800	°C	-
Lube oil total system capacity including pipes, filters etc.	liter	~12.8
Electric system (isolated return)	Vcc	12
Starting batteries: recommended capacity	Ah	1 x 100 Ah
Discharge Current (EN50342)	A	650
Cold starting: without preheating	°C	-10
Cold starting: with preheating	°C	-25

WEIGHT AND DIMENSIONS

Dimensions	LxWxH (mm)	1367 x 753 x 1085
Dry Weight	Kg	500

DIMENSIONS CAN BE CHANGED ACCORDING TO ENGINE OPTIONS



IMAGES SHOWN ARE FOR ILLUSTRATION PURPOSE ONLY

PERFORMANCES

Rated Stand-by Power at 1500 rpm	kWm	96
Rated Prime Power at 1500 rpm	kWm	87
Rated Continuous at 1500 rpm		-
Rated Stand-by Power at 1800 rpm	kWm	107
Rated Prime Power at 1800 rpm	kWm	97
Rated Continuous at 1800 rpm		-

PRIME POWER: The prime power is the maximum power available with varying loads for an unlimited number of hours. The average power output during a 24h period of operation must not exceed 80% of the declared prime power between the prescribed maintenance intervals and at standard environmental conditions. A 10% overload is permissible for 1 hour every 12 hours of operation.

STAND-BY POWER: The stand-by power is the maximum power available for a period of 500 hours/year with a mean load factor of 90% of the declared stand-by power. No kind of overloads is permissible for this use.

CONTINUOUS POWER: Contact the FPT sales organization.

LEGEND

Arrangement

L (in line)
V (90° "V" configuration)

Air Handling

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

Injection System

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

MORE INFORMATION ABOUT CONFIGURATIONS AND ACCESSORIES AVAILABILITY, THROUGH THE WORLDWIDE FPT INDUSTRIAL DISTRIBUTORS NETWORK

NOT ALL MODELS, STANDARD EQUIPMENT AND ACCESSORIES ARE AVAILABLE IN ALL COUNTRIES. SPECIFICATIONS AND OPTIONS MAY CHANGE WITHOUT NOTICE



OPTIONAL EQUIPMENT

Upon specific request, engines can be supplied with the following accessories: - 24V electric system - SAE 3 flywheel housing prearranged for "pick up" - Water pre-heater - 12V or 24V electronic governor - Exhaust elbow with flex bellow - Exhaust silencer (loose) - Front radiator guard - Exhaust manifold & turbo guards - Oil drain pump - Oil drain valve - Low water level alarm sender - Tools box

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