POWER GENERATION

NEF series

N45 TM2X 95kW

95 kW @ 1800 rpm

Tier 3

SPECIFICATIONS

Thermodynamic Cycle	Diesel 4 stroke	
Air Handling	TAA	
Arrangement	4L	
Bore x Stroke (mm)	104 X 132	
Total Displacement (l)	4.5	
Valves per cylinder (n°)	2	
Injection System	M	
Speed governor	mechanical	
Cooling System	liquid (water - paraflu 50%)	
Direction of Rotation (viewed facing flywheel)	CCW	
Oil specifications	ACEA E3-E5	
Oil consumption	<0.1% of fuel consumption	
Fuel specifications	EN 590	
Oil and oil filter maintenance interval for replacement [***] (hours)	600	
Specific fuel consumption at:	**1500**	**1800**
- Stand-By l/h (g/kWh)	-	-
- 100% load l/h (g/kWh)	-	24.6 (232.6)
- 80% load l/h (g/kWh)	-	20 (232.4)
- 50% load l/h (g/kWh)	-	13.3 (230.6)
ATB (without canopy) (°C)	55	-
Coolant capacity: engine + radiator (l)	~ 18.5	
Coolant capacity: engine only (l)	~ 8.5	
Lube oil total system capacity including pipes, filters etc. (l)	~ 12.8	
Electric system (isolated return)	12	
Starting batteries: recommended capacity (Ah)	1 x 100	
Discharge Current (EN50342) A	650	
Cold starting: without preheating (°C)	-10	
Cold starting: with preheating (°C)	-25	

WEIGHT AND DIMENSIONS

Dimensions (LxWxH)	1367 X 753 X 1085
Dry Weight	Kg 500

PERFORMANCE

Ratings [1]	1500 rpm		1800 rpm	
	PRIME	STAND-BY	PRIME	STAND-BY
Rated Power kWm [2]	-	-	87	95

1) Ratings in accordance with ISO 8528. For duty at temperature over 40°C and/or altitude over 1000 meters must be considered a power derating factor. Contact the FPT sales organization.
2) Net power at flywheel available after 50 hours running with a ±3% tolerance.

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.

CONTINUOS POWER: Contact the FPT sales organization.

Legend

Arrangement	Air Handling	Injection System	Emission Standard
L (in line) V (90° "V" configuration)	TAA (Turbocharged with aftercooler) TC (Turbocharged) NA (Naturally Aspirated)	M (Mechanical) ECR (Electronic Common Rail) EUI (Electronic Unit Injector)	I-EGR (Internal EGR)

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

FPT POWERTRAIN TECHNOLOGIES

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FPT INDUSTRIAL 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

www.fptindustrial.com

FPT POWERTRAIN TECHNOLOGIES

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Specifications subject to change without notice.
Illustrations may include optional equipment.

STANDARD CONFIGURATION

FPT engine N45 TM2X equipped with:
- Mounted radiator incorporating air-to-air charge cooler
- Mounted belt driven pusher fan
- Fan guard
- Mounted air filter with replaceable cartridges
- Fuel filter
- Primary fuel filter/water separator
- Replaceable oil filter
- Front engine mounting brackets
- Flywheel housing SAE3 and flywheel 11”1/2
- Redirectable exhaust gas elbow
- Recirculed oil breather system
- Oil dipstick
- HWT and LOP sensors
- 12 Vdc
- User’s handbook

THE ENGINE IS SUPPLIED WITHOUT LIQUIDS

OPTIONAL EQUIPMENT

On request the engine can be supplied with:
- Oil drain pump
- Oil drain valve
- 120/230 Volt water jacket heater
- WT and OP sensors for gauges
- Low water level sensor
- Turbo and exhaust gas guards
- Exhaust gas flexible joint

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