FPT
POWERTRAIN TECHNOLOGIES

GENERATOR SETS

Our efficiency.
Your edge.

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Index

THE ENERGY OF INNOVATION

You need power, delivered quickly and reliably. FPT Industrial is there to answer your needs. Our new range of state-of-the-art engines covers all power generation applications.

Sustainability drives product development. As the standards for diesel engines grow ever more stringent, a constant decrease in emissions becomes a key benchmark for improvement.

To fulfill market requirements, FPT Industrial has developed different engine ranges. All comply with the most demanding standards.
Our products have functional layouts, hi-tech contents and carefully selected, top-quality components.

Superior Technology & Outstanding Advantages

Performance
Excellent transient load response. High performance guaranteed in all conditions. High engine power density.

Respect for the Environment
Compliance with the most stringent Emissions legislations.
Low noise levels.

Running Costs Reduction
Low oil and fuel consumption.
Best in class maintenance intervals.
Low running costs in continuous operating power.

Flexibility
Availability of a wide range of options to create tailor-made products.
Compact engine layout. Availability of cold starting accessories.

Our reliable power generation systems improve efficiency and boost business performance.

FPT Power Generation Generator Sets 11

GENERATOR SETS

OPEN GENSETS

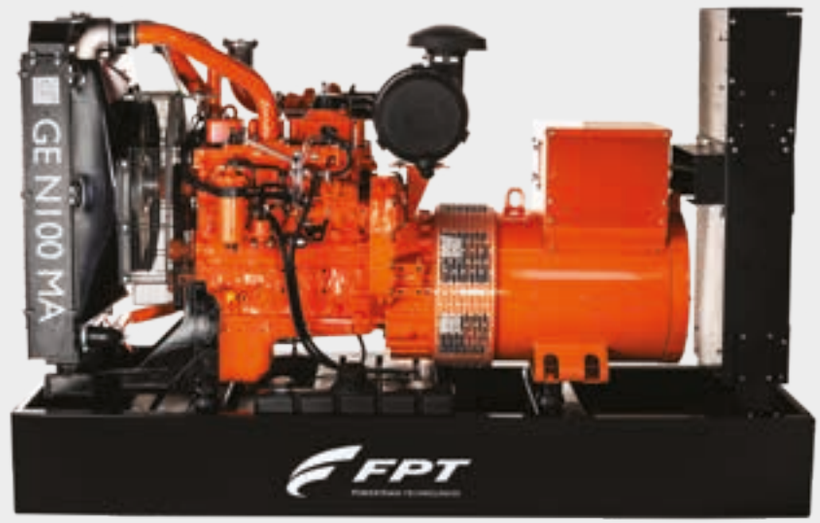
From 30 to 400 kVA

Transportability
Compact layout.

Refueling Operations
Integrated fuel tank.

Maintenance
Easy access for maintenance.

Compactness
Manual or Automatic control panel

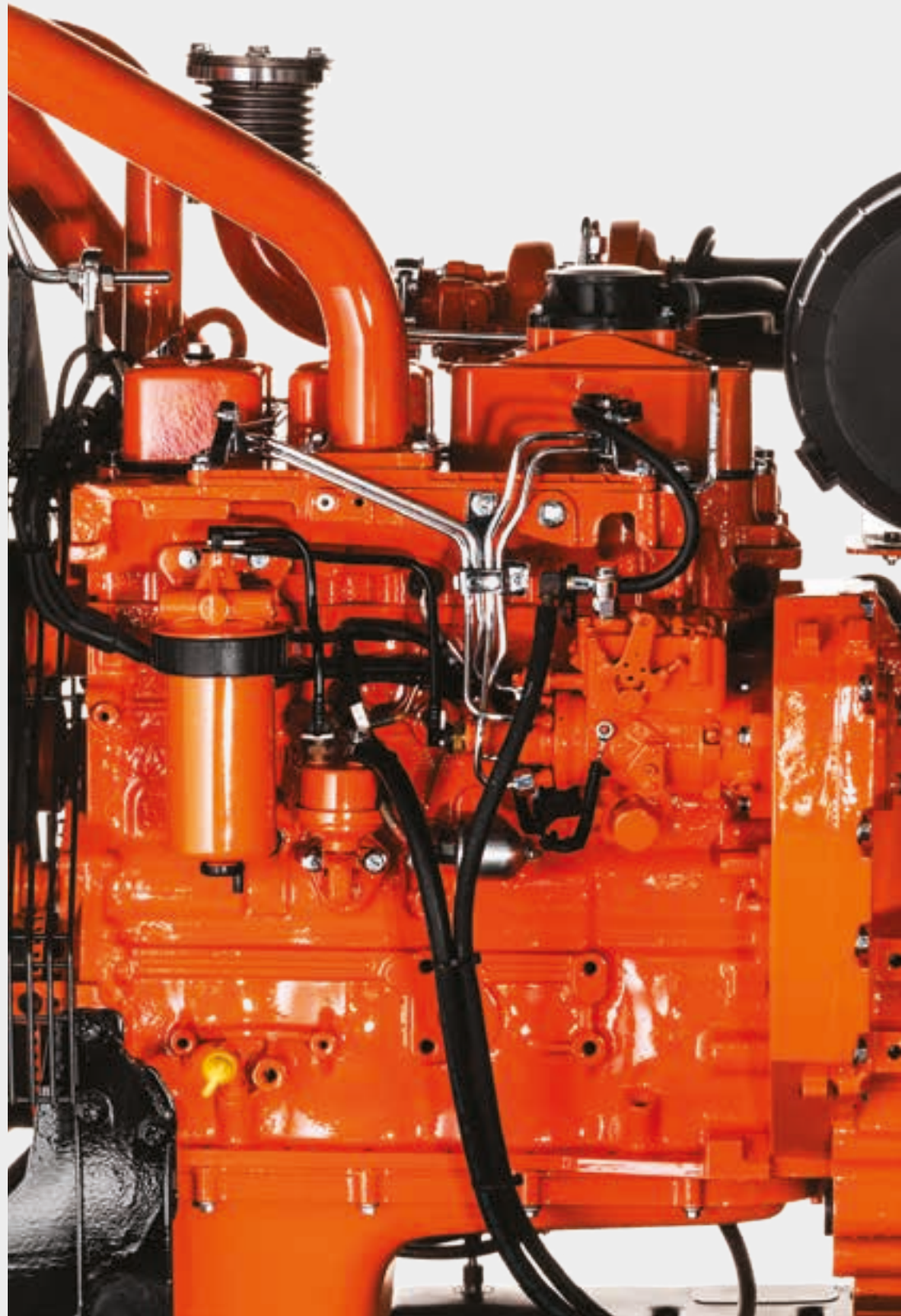


Our open gensets range boasts a compact layout. The sets are built to satisfy demanding performance standards, using only high-quality components.

Easy, inexpensive maintenance is an additional strong point. These products are best-in-class for oil and filters change intervals.

FPT Industrial's sets in this range are powered by low-emission engines. The engines use advanced solutions to optimize thermodynamic performance: this improves the load response and reduces the fuel consumption.

SOUNDPROOFED GENSETS UNIQUE MODEL



Engine Specifications

NOT REGULATED EMISSIONS

Model	Power kVA[1] 50 Hz Prime	50 Hz Stand-by	60 Hz Prime	60 Hz Stand-by
GE F3230MA	30	33	–	–
GE F3240MA	40	44	–	–
GE F3250MA	50	55	–	–
GE NEF45MA	45	50	–	–
GENEF50M	50	55	55	60
GE NEF60MA	60	66	66	73
GE NEF75MA	75	82	–	–
GENEF80M	80	88	85	95
GE NEF85MA	85	94	100	110
GE NEF100MA	100	110	110	121
GENEF120M	120	132	125	136
GENEF125M	125	138	138	160
GENEF130MA	130	143	145	160
GENEF160MA	160	176	170	187
GENEF170M	170	187	170	187
GENEF200EA	200	220	225	248
GENEF200M	200	220	200	220
GECURSOR250ED	250	275	270	297
GECURSOR300ED	300	330	330	363
GECURSOR350EA	350	385	380	418
GECURSOR400EA	400	440	420	462

Open range – 30 to 400 kVA

Model	Engine specification G-Drive	CYL/AIR Intake	Injection System	Diplacement Liters	Emissions	Dimension (mm) L	W	H	Dry Weight[2] (Kg)
F32AM1A	4L / NA	M	3,2	UR[1]	1833	730	1416	590
F32SM1A	4L / TC	M	3,2	UR[1]	1833	730	1416	635
F32TM1A	4L / TAA	M	3,2	UR[1]	1833	730	1416	730
N45AM1A	4L / NA	M	4,5	UR[1]	2300	730	1285	852
N45AM2	4L / NA	M	4,5	UR	2300	730	1285	1000
N45SM1A	4L / TC	M	4,5	UR[1]	2300	730	1322	886
N45SM2A	4L / TC	M	4,5	UR[1]	2300	730	1322	902
N45SM3	4L / TC	M	4,5	UR	2300	730	1475	1110
N45TM1A	4L / TAA	M	4,5	UR[1]	2300	730	1475	1130
N45TM2A	4L / TAA	M	4,5	UR[1]	2300	730	1475	1160
N45TM3	4L / TAA	M	4,5	UR	2300	730	1475	1110
N67SM1	6L / TC	M	6,7	UR	2800	780	1423	1300
N67TM2A	6L / TAA	M	6,7	UR[1]	2800	780	1423	1315
N67TM3A	6L / TAA	M	6,7	UR[1]	2800	780	1423	1440
N67TM4	6L / TAA	M	6,7	UR	2800	780	1423	1440
N67TE2A	6L / TAA	ECR	6,7	UR[1]	2800	780	1423	1570
N67TM7	6L / TAA	M	6,7	UR	2800	780	1423	1440
CURSOR87TE1D	6L / TAA	ECR	8,7	UR[1]	3020	1055	1690	1950
CURSOR10TE1D	6L / TAA	EUI	10,3	UR[1]	3530	1100	1730	2500
CURSOR13TE2A	6L / TAA	EUI	12,9	UR[1]	3530	1100	1730	2750
CURSOR13TE3A	6L / TAA	EUI	12,9	UR[1]	3530	1285	1820	2800

Legend

Air Intake
NA Naturally Aspirated
TAA Turbocharged Aftercooler
TC Turbocharged

Injection System
M Mechanical
ECR Electronic Common Rail
EUI Electronic Unit Injector

1. Performance according to ISO 8528 conditions. Power factor 0,8
2. Dry weight with standard accessories (may change depending on alternator type)

UR Unregulated
UR1 Previously EU Stage II

Glossary

Prime Power
Maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h 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
Maximum power available for a period of 500 hours/year with a mean load factor of 90% of declared stand-by power. No kind of overload is allowable for this use.

Key Advantages

Reliability
Compact layout and high quality level of components.

Customization
Manual or automatic control panel.
3P or 4P circuit breaker availability
Automatic Transfer Switch (available as option).

Maintenance & Serviceability
Best in class for oil and filters change intervals (600 hours).
Easy access for maintenance operations.

Environmental Care
Powered by low Emissions engines.

Flexibility
Integrated Fuel Tank (F5 series: 80 lt; NEF series: 180 lt; CURSOR series: 500 lt).

Air Handling
Turbocharged with air-to-air charge cooled air system with 4 valves per cylinder to increase the engine efficiency by the optimization of thermodynamic performance in terms of load response & fuel consumption.

Safety
Hot parts protection grids availability.

SOUND PROOFED GENSETS

From 30 to 500 kVA

Transportability
Significant improvement in terms of maneuverability.

Refueling Operations
Easy way to fill up the fuel tank.

Maintenance
Low maintenance needs and running costs ensured by best-in-class oil change interval of up to 800h.

Noise Reduction
Reduced environmental impact, low vibrations and noise levels.

FPT Industrial's soundproofed gensets are highly transportable and maneuverable. They can be moved by forklift or crane. Wide doors give full access to the engines and parts, making day maintenance easier.
Best-in-class oil change intervals mean lower running costs.

Refueling is now simpler and more efficient. The new design and the special components used by FPT Industrial bring a significant reduction in noise levels as well as vibrations. Low vibrations help cut down energy transfer to building structures, but also mean longer lasting gensets.

SOUNDPROOFED GENSETS UNIQUE MODEL

Engine Specifications

NOT REGULATED EMISSIONS

Model	Power kVA[1] 50 Hz Prime	50 Hz Stand-by	60 Hz Prime	60 Hz Stand-by
GS F3230	30	33	–	–
GS F3240	40	44	–	–
GS NEF45	45	50	–	–
GS NEF50-ne	50	55	55	60
GS NEF60	60	66	66	73
GS NEF75	75	82	85	90
GS NEF80-ne	80	88	100	110
GS NEF85	85	94	100	110
GS NEF100	100	110	110	121
GS NEF120-ne	120	132	125	136
GS NEF125-ne	125	138	138	160
GS NEF130	130	143	143	160
GS NEF160	160	176	170	187
GS NEF170-ne	170	187	170	187
GS NEF200-ne	200	220	200	220
GS NEF200	200	220	225	248
GS CURSOR250-ne	250	275	275	303
GS CURSOR250	250	275	270	297
GS CURSOR300-ne	300	330	330	363
GS CURSOR300	300	330	330	363
GS CURSOR350	350	385	380	418
GS CURSOR400	400	440	420	462
GS CURSOR500-ne	500	550	510	560

Legend

Air Intake
NA Naturally Aspirated
TAA Turbocharged Aftercooler
TC Turbocharged

Injection System
M Mechanical
ECR Electronic Common Rail
EUI Electronic Unit Injector

1. Performance according to ISO 8528 conditions. Power factor 0,8
UR Unregulated
UR1 Previously EU Stage II

Standards Soundproofed range – 30 TO 500 kVA
Engine specification

G-Drive	CYL/AIR Intake	Injection System	Diplacement Litezs	Emissions
F32AM1A	4L/NA	M	3,2	UR[1]
F32SM1A	4L/TC	M	3,2	UR[1]
N45AM1A	4L/NA	M	4,5	UR[1]
N45AM2	4L/NA	M	4,5	UR
N45SM1A	4L/TC	M	4,5	UR[1]
N45SM2A	4L/TC	M	4,5	UR[1]
N45SM3	4L/TC	M	4,5	UR
N45TM1A	4L/TAA	M	4,5	UR[1]
N45TM2A	4L/TAA	M	4,5	UR[1]
N45TM3	4L/TAA	M	4,5	UR
N67SM1	6L/TC	M	6,7	UR
N67TM2A	6L/TAA	M	6,7	UR[1]
N67TM3A	6L/TAA	M	6,7	UR[1]
N67TM4	6L/TAA	M	6,7	UR
N67TM7	6L/TAA	M	6,7	UR
N67TE2A	6L/TAA	ECR	6,7	UR[1]
CURSOR87TE3	6L/TAA	ECR	8,7	UR
CURSOR87TE1D	6L/TAA	ECR	8,7	UR[1]
CURSOR87TE4	6L/TAA	ECR	8,7	UR
CURSOR10TE1D	6L/TAA	EUI	10,3	UR[1]
CURSOR13TE2A	6L/TAA	EUI	12,9	UR[1]
CURSOR13TE3A	6L/TAA	EUI	12,9	UR[1]
CURSOR13TE7W	6L/TAA	ECR	12,9	UR

Glossary

Prime Power
Maximum power available with varying loads for an unlimited number of hours. The average power output during a 24 h 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
Maximum power available for a period of 500 hours/year with a mean load factor of 90% of declared stand-by power. No kind of overload is allowable for this use.

Key Advantages

Transportability
Significant improvement in terms of maneuverability: thanks to dedicated slots in the lower part of the frame and lifting hooks on the top, it's possible to move the genset either by forklift or using a crane. The single lift hook, in rental version, contributes to further increase of handiness and safety transportation of the genset.

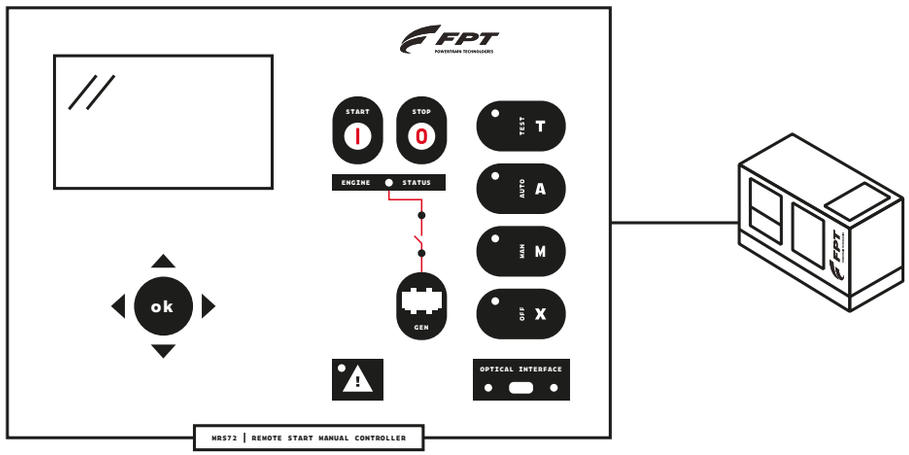
Maintenance
Low maintenance needs and running costs are ensured by best-in-class oil change interval of up to 800h.
All day maintenance requirements can be easily performed thanks to wide doors giving full access to the engine and other components.

Refueling Operations
Thanks to the external fuel tank filler cap, it has been ensured an easy way to fill up the fuel tank; available upon request is the possibility to refuel from an external fuel tank through by-pass fuel lines. The fuel tank is integrated in the sub-base and it is equipped with two level indicators: a visual type directly on the tank and an electrical one with info displayed on the control panel.

Vibrations and Noise Reduction
Thanks to sound-absorbing fireproof panels, low noise levels are ensured and environmental impact is reduced; sound level is in line with market requirements (70dbA @ 7 m).
Special anti-vibration supports anchor the genset to the base frame, minimizing vibrations and helping to reduce energy transfer to building structures and leading gense components to a longer life.

MRS72

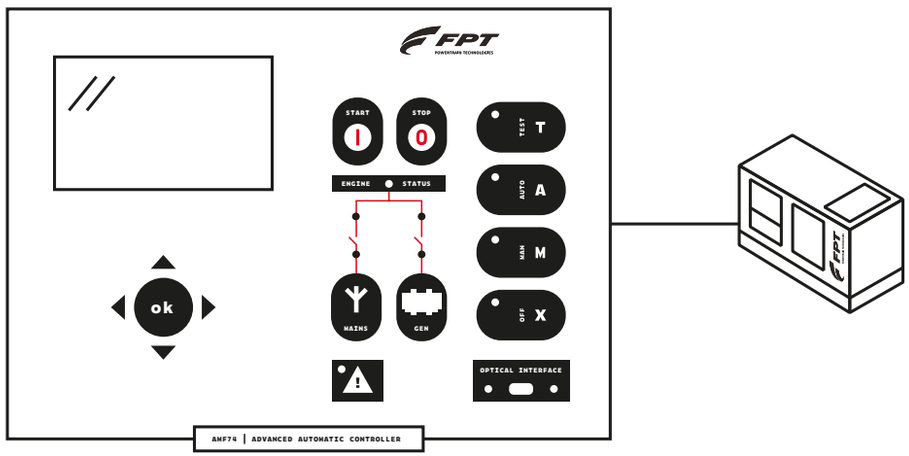
Manual Control Panel with Remote Start



- Start up and shut down keys through an external signal.
- Engine and alternator parameters monitoring.
- "Manual" and "Super-manual" operational modes.
- Storage of last 250 events.
- Multilingual diagnostic software (Italian, English, French and Spanish).
- PC and/or on site (through optical key) programming.
- Battery charger to ensure correct battery efficiency and command/ control system alimentation (optional).

AMF74

Automatic Control Panel



- Automatic start up when the voltage of the main electrical network changes from a predefined value (programmable).
- Automatic insertion as main source of electrical energy as the working parameters are reached.
- Automatic disengagement once the nominal voltage of the main electrical network is reached.
- Programmable slow shut down to allow the engine cooling gradually.
- Engine and alternator parameters monitoring.
- “Manual”, “Automatic”, “Test“ and “Super-manual“ operational modes.
- Storage of last 250 events.
- Multilingual diagnostic software (Italian, English, French and Spanish).
- PC and/or on site (through optical key) programming.
- Maintenance program indicating the routine maintenance to be performed.
- Battery charger to ensure correct battery efficiency and command/control system alimentation (optional).

Through constant innovation, we can bring the right answer wherever power is needed quickly and reliably.

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