



POWER GENERATION
GENSET



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FPT Industrial is a brand of CNH Industrial that is dedicated to the development, production and sale of powertrains for On-Road, Off-Road, Marine and Power Generation applications.

The company employs over 8,400 people on a worldwide basis, localised in 10 plants and 6 Research & Development centres. The presence of FPT Industrial is in more than 100 countries through the existence of a commercial network of 93 dealers and more than 899 service points.

The wide range of products (6 engine families with a power range from 20 to 825 HP and transmissions with a maximum power from 300 to 500 Nm) and an important focus on Research & Development activities make FPT Industrial one of the global players in the industrial powertrains sector.



FPT Industrial offers superior technology and outstanding advantages



FEATURES & BENEFITS



Generating Sets (GenSets) are used for the generation of electricity. They consist of a synchronous, constant voltage electric generator driven by an internal combustion diesel engine.

The sets are used for two principal types of service:

Normal Service: GenSets for normal service used in the production of electricity for a multitude of uses (motive power, lighting, heating, etc.) in an area where there are no other electricity sources.

Emergency Service: GenSets are also used for emergency services. GenSets meet electricity demands in the case of an interruption in the mains supply, when the interruption could create serious problems for persons, cause material or financial damage (hospitals, continuous cycle industrial plants, etc.), and help meet demands during peak consumption periods.

All engines have a 2 year warranty. All engines are Emission Standard Tier III.

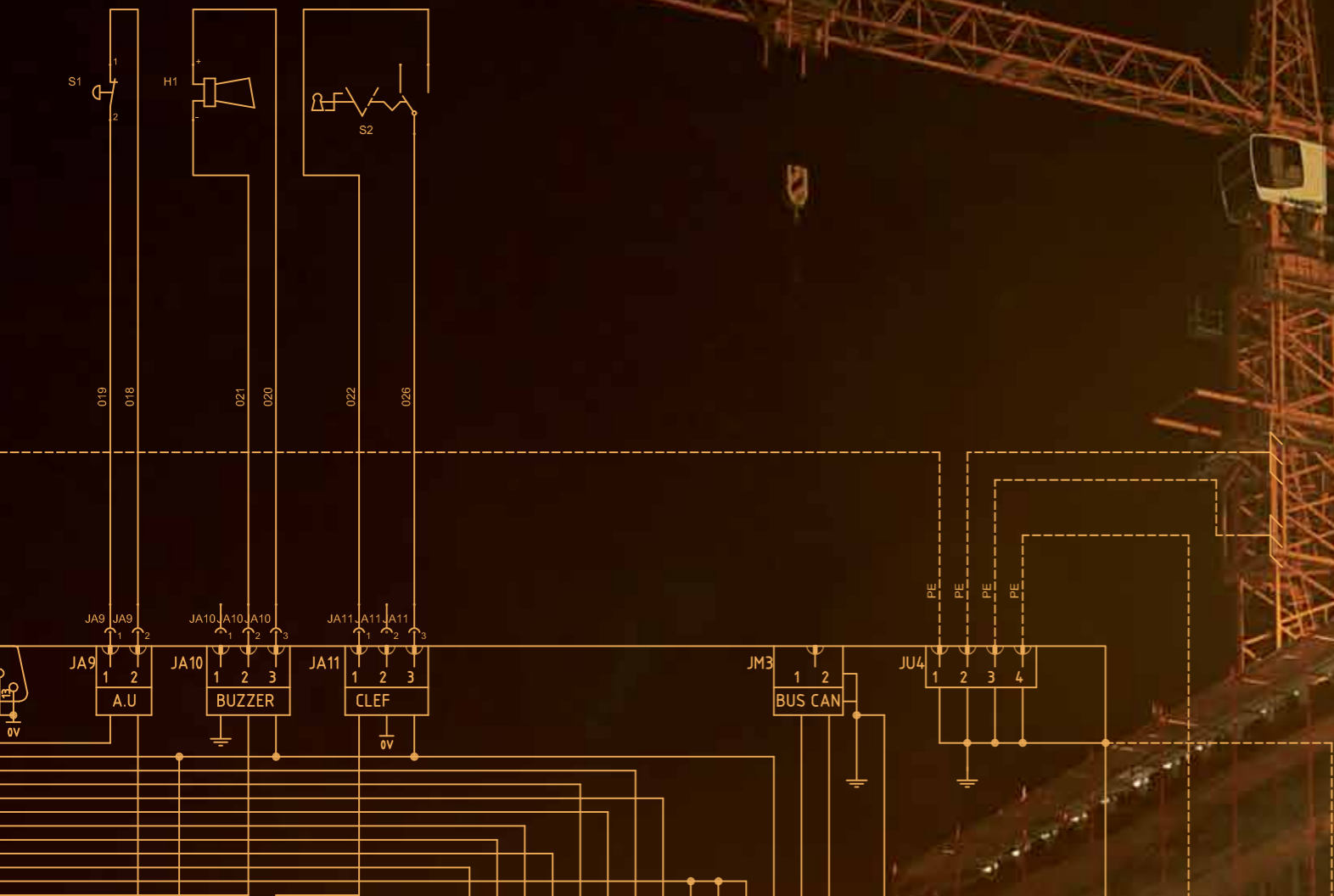
PART NUMBER	STAND-BY POWER kVa	POWER 50 Hz		POWER 60 Hz	
		kW	Kva	kW	Kva
73322524	30	24	30	-	-
73322558	40	32	40	-	-
73322559	45	36	45	40	50
73322525	60	48	60	53	66
73322526	75	60	75	60	75
73322560	85	68	85	80	100
73322527	100	80	100	88	110
73322529	125	100	102	105	108
73322528	130	104	130	116	143
73322561	160	128	160	136	170
73322562	200	160	200	180	225
73322563	250	200	250	216	270
73322564	300	240	300	280	330
73322565	350	280	350	304	380
73322566	400	320	400	336	420

THE APPLICATIONS

Diesel Generators include a diesel engine and an alternator; coupled together to produce both DC and AC power.

The most popular applications related to AC are:

- Emergency supply in case of main failures (**stand-by**).
- Power supply (**prime and continuous**) in areas where the distribution net is not yet available like in construction yards, zones damaged by natural disaster/conflicts or in case of main power station shutdown.
- Power peak shaving with the scope to utilise a generator set in order to rationalise the electric consumption during certain periods of the day (in case of mains lack of power or in order to optimise costs in relation with the night/day rates).



SOUNDPROOF GENSET



ADD ONS

The automatic control panel allows perfect management of the GenSets. The control board (microprocessor) in the control panel allows 4 different operational functions.

The electronic board is entrusted with the management of operational safety, thanks to visual/ acoustic alarms and eventual engine shutdown.

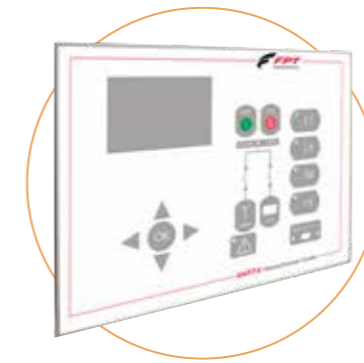
The illuminated display highlights: running hours, engine speed, start attempts, phase-phase voltage and phase-neutral voltage, battery voltage, active power alarms, optional mechanical measurements such as (oil pressure, engine temperature, fuel level meter).

The automatic control panel manages its own maintenance program indicating the routine maintenance to be performed. It offers the possibility to calibrate measuring instruments and to regulate more than 70 parameters. It can be managed and programmed through a PC and remotely managed thanks to an RS232 port. It has a historic memory that records the breakdowns and services.



Automatic Panel MRS72

- Control of the generator with management of the remote starter from the main generator
- Graphic LCD display
- 5 languages
- Real time clock with power reserve
- Storage of the last 250 events
- Support for remote installation and remote alarms
- Reprogrammable on-site by the operator with Optical key



Automatic Panel AMF74

- Control of the generator with automatic management of the transfer from the main generator
- Graphic LCD display
- 5 languages
- Real time clock with power reserve
- Storage of the last 250 events
- Support for remote installation and remote alarms
- Reprogrammable on-site by the operator with Optical key



Automatic Transfer Switch Module

- Automatic transfer switch between mains and generator in case of fault
 - Detect the fault
 - Start the genset
 - Synchronise the phase
 - Switch from main grid to the genset
 - When main voltage return back, stop the genset

*ATS optional upon request