

MAIN FEATURES

<ul style="list-style-type: none"> Intelligent control system Automatic start/stop Generator transfer switch Control panel with 24VDC Wide range of applications 	<ul style="list-style-type: none"> Wide range of optional accessories Engine equipped with automatic start Direct start Anti-vibration mounting system - Anti-vibration Resistor
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Performance

GENERAL DATA

Standby power ESP	2	20	0
Prime power PRP	2	0	0
Prime power PRP A	5	0	
Frequency	50		
Voltage	00		
Excitation system	none	ission	
Feet	Diese	EN 5	0
Features	2		
Options	- 5		
	- 00	5	5
	- 0	5	2
Engine control voltage	2		
Starting current	50		
Rated current	S	0	50
Generator version	o en		ano
Model	FD 250-ST		FD 250-ST
Weight	0	2	0
Dimensions L x W	2	0	0
Dimensions H	00		50
Guaranteed noise power			
Lwa	A		
Acoustic pressure	2		
Lpa	A		

Prime Power PRP

Prime power available in variable load conditions with ISO 9200 over load capability is available with ISO 9200 over load capability in 2 operation / conditions note see 0 PRP area

Standby power ESP

Engine standby power rating is a limit value for engine operation ratio of 20% over load operation ratio of 0% ESP

Remarks

All parameters are given for reference on site for 0C and site altitude above sea level

Normative references

Main reference 200 2 EC
 Low voltage directive 2006/95/EC
 EMC directive 2004/108/EC
 Noise directive 2000/14/EC
 Emission directive 2000/14/EC
 ISO 5200 ISO 5200
 ISO 5200
 IEC 029

STANDARD CONTROLLER

Controller type: ComAp IntelliLite AMF 25

Easy to operate, intuitive graphical interface

Real time clock with battery supply

Stan-by and Prime power applications, AMF function available

Flexible event based history with up to 350 events

3 Phase generator current measurement

Generator and Mains phase voltage measurement

Active/reactive power measurement

Active and reactive energy counter

Running hours counter, multipurpose flexible timers

Battery charging alternator circuit connection

Comprehensive gen-set protections

Wide range of communication capabilities including :

- CAN and USB on board
- Internet access using Ethernet, GPRS or 4G module
- Support for Modbus and SNMP protocols

Cloud-based monitoring and control via WebSupervisor

Active SMS or e-mails (module required)

Geofencing and tracking via WebSupervisor

Operating temperature -20 + 70°C

IP65 operator interface protection



ENGINE

Brand	FPT (Iveco)
Type	NEF67TE8W
Made in	Italy
Engine power [kW]	216,0
Emission standard*	non-emission
Rotation per minute [rpm]	1500
Engine governor	electronic
Governor class**	G3
Displacement [l]	6,7
No of cylinder	6
Fuel system	common rail
Electrical system [V]	24
Cooling system capacity [l]	25,5
Oil pan capacity [l]	17,2
Fuel type	Diesel (EN 590)

ALTERNATOR

Nominal Voltage [V]	400
Nominal power factor (cos phi)	0,8
Ambient temperature, altitude	40 °C, 1000m AMSL
Nominal Power [kVA]	250,0
IP protection	IP 23
No of bearing	single bearing
Coupling	direct
Technology	brushless
Short circuit maintaining capacity	270% 10s
Efficiency [%]	91,3
Insulation class	H
Total harmonic content THD [%]	2,5
Reactance Xd'' [%]	14,9
Voltage regulator type	DVR, digital
Voltage measurement	3 phase
Voltage accuracy [%]	+/- 0,25
AVR supply system	auxiliary winding
AVR supply system (optional)	PMG
Made in	EU

* According directive 97/68/WE non road mobile machinery engine emission.

** According PN-ISO 8528-5/2018

STANDARD EQUIPMENT

FPT (Iveco) NEF67TM7 engine	✓
Electronic engine speed governor	✓
Oil low pressure switch	✓
Oil pressure sensor	✓
Engine high temperature switch	✓
Engine temperature sensor	✓
Engine preheating with thermostat	✓
Engine oil Titan Cargo 15W40	✓
Fuel filter with water separator	✓
Coolant Fuchs Maintain Fricofin LL-50	✓
Coolant inlet outside of the canopy *	✓
Starting batteries 2x 100 Ah	✓
Battery charger	✓
GCB Schneider NSX 400 3P + Mic.2.3	✓
GCB shunt release coil	✓
Controller ComAp IL-AMF25	✓
Acoustic alarm	✓
Emergency stop button	✓
Silenced canopy made with Al.-Zn. *	✓
Standard color 7024	✓
Fuel tank integrated with a frame with drip tray	✓
Welded frame with fuel tank	✓
Fuel inlet inside, protected by canopy locked doors *	✓
Fuel level measurement	✓
Engine and alternator vibro isolators	✓
Exhaust compensator and silencer	✓
Transportation brackets	✓

OPTIONAL EQUIPMENT

Oil draining hand pump	□
Battery disconnection switch	□
GCB 4P Schneider NSX Micrologic 2.3	□
Power Lock type power output *	□
Power sockets box SOM 104 *	□
Transfer switch controlled by generator controller	□
Transfer switch with ATS controller	□
GPRS communication card	□
Ethernet card	□
RS 485, RS 232 card	□
Remote display	□
Fuel inlet outside of the canopy with lock *	□
Drip space level sensor	□
Fuel and retention pump	□
Alternative fuel tank size 950 l	□
External fuel tank 1 000 – 10 000 l	□
Fuel tank filling pump and shut-off valve	□

* Applies only for canopied version

INSTALLATION GUIDELINES

Power terminal	GCB terminal
Recommended cable for up to 30m power cable way	Flexible 2x5x70 mm ²
Recommended cable for do 30m generator heater supply	Flexible 3x2,5 mm ²
*For additional cable connection with FOGO ATS see ATS wiring diagram	
Exhaust pipe min diameter (max. 7 m, 4 bends)	101,6 mm
Exhaust pipe min diameter (max. 15 m, 4 bends)	114,3 mm

MAINTENANCE GUIDELINES

Fuel filters replacement	500 h / 1 year
Oil replacement	After first 100h, then every 500 h / 1 year
Oil filters replacement	After first 100h, then every 500 h / 1 year
Coolant replacement	1000 h / 2 years
Battery replacement	2 years
Electrical installation supervising	According to local requirements, at least once per year

WARRANTY

Continuous operation generators	12 months up to 1000 working hours
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