

MAIN FEATURES

Highest quality and reliability. ComAp IL-NT AMF25 controller.	Wide range of standard and optional equipment.
Ready to control MAINS – GENERATOR transfer switch.	Wide range of remote communications options.
Anticorrosion coating: frame - Zr, canopy – Zr, Al-Zn.	Configured for both manual and automatic mode (MRS + AMF).
Brushless alternator.	Drip tray,
Engine heater – ready to load just after start.	Digital, 3 phase voltage regulator – DVR.
	Schneider NSX type GCB.



GENERAL DATA

Model	FDG2 200 IS	Nominal power P.R.P.:	Prime power available in variable load application in accordance with ISO 8528, A 10% overload capacity is available for a period of 1h within a 12h period of operation. Average power consumption should not exceed 80% P.R.P for each 24h of work.
Standby power E.S.P. [kVA] / [kW]	220,0 / 176,0	Stand-by power E.S.P.:	Emergency standby power rating is applicable for supplying emergency power for the duration of a utility power interruption. No overload allowed, limited to 200h of operation per year, max average power consumption 70% of ESP.
Prime power P.R.P. [kVA] / [kW]	200,0 / 160,0	Remark:	All parameters are given for reference conditions: ambient air temperature up to 40 C and site altitude above sea level 1000m
Prime current P.R.P [A]	289,0	Norms and directives:	<ul style="list-style-type: none"> • Machinery directive 2006/42/WE • Low voltage directive 2006/95/WE • EC directive 2004/108/WE • Noise directive 2000/14/WE • Emission directive 97/68/WE • ISO 8528-1/2005, PN-ISO 8528-5/2005 • PN-EN 12601 • PN-EN 60204-1
Frequency [Hz]	50		
Voltage [V]	400		
Exhaust emission	stage I		
Fuel type	Diesel (EN 590)		
Fuel consumption - 50% load [l/h]	22,0		
- 75% load [l/h]	31,4		
- 100% load [l/h]	41,2		
- 110% load [l/h]	48,1		
Standard fuel tank capacity [l]	390		
Autonomy with 100% load [h]	9,5		
Engine control voltage [V]	12		
Weight without fuel [kg]	2220		
Dimensions L x W x H [mm]	3600 x 1200 x 1945		
Guaranteed noise power Lwa [dBA]	97		
Acoustic pressure Lpa (dla 7m) [dBA]	68,1 ± 2		

STANDARD CONTROLLER

Controller type: AMF 25
Easy to operate, intuitive graphical interface
Real time clock with battery supply
AMF function available
Flexible event based history with up to 119 events
3 Phase generator current measurement
Generator and Mains phase voltage measurement
Active/reactive power measurement
Active and reactive energy counter
Running hours counter
Battery charging alternator circuit connection
Fuel level measurement
Generator protection (over/under frequency, voltage, overcurrent)
Communication with ECU supporting CAN J1939 standard
Communication interface RS 485 and RS 232 supporting Modbus RTU (IL-NT RS232-485 module required)
GSM modem / wireless internet (IL-NT GPRS module required)
Internet/Ethernet communication (IB-Lite module required)
InteliMonitor software for single gen-set view
WebSupervisor software for Android mobile devices or PC's for fleet management
Active SMS or e-mail (IL-NT GPRS or IB-Lite module required)



ENGINE

Brand	FPT (Iveco)
Type	NEF67TM7
Made in	Italy
Engine power [kW]	176,5
Emission standard*	stage I
Rotation per minute [rpm]	1500
Engine governor	mechanical
Governor class**	G2
Displacement [l]	6,7
No of cylinder	6
Fuel system	direct injection
Electrical system [V]	12
Cooling system capacity [l]	25,5
Oil pan capacity [l]	17,2
Fuel type	Diesel (EN 590)

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

** According PN-ISO 8528-5/2005

ALTERNATOR

Brand	Sincro*
Type	SK250MM
Made in	Croatia
Power (40 °C, 1000m a.m.s.l.) [kVA]	200,0
Power (27 °C, 1000m a.m.s.l.) [kVA]	220,0
Efficiency [%]	92,4
Voltage regulator type	Digital DVR
Voltage accuracy [%]	+/- 0,5
IP protection	IP 23
Insulation class	H
Total harmonic content THD [%]	< 2,0
Reactance Xd'' [%]	10,2

* STAMFORD or other alternator suppliers on request. Genset general data may change in this case.



PROFESSIONAL GENERATORS

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FDG2 200 I

STANDARD EQUIPMENT

OPTIONAL 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	✓	Oil draining hand pump	✓
Engine oil Shell Rimula R4L	✓	Battery disconnection switch	✓
Fuel filter with water separator	✓	Alternator with PMG	✓
Coolant Anti Freeze	✓	4 pole GCB 4P Schneider NSX Micrologic 2.2	✓
Coolant inlet outside of the canopy	✓	Power Lock type power output	✓
Starting batteries 2x100 Ah	✓	Power socket box*	✓
Battery charger	✓	Transfer switch controlled by generator controller	✓
Sincro SK250MM alternator	✓	Transfer switch with ATS controller	✓
Digital 3 phase AVR	✓	GPRS communication card	✓
GCB Schneider NSX 400 3P + Mic.2.3	✓	Ethernet card	✓
GCB shunt release coil	✓	RS 485, RS 232 card	✓
Controller AMF25	✓	Remote display	✓
Controller switch	✓	Drip space level sensor	✓
Acoustic alarm	✓	Non-standard fuel tank size*	✓
Emergency stop button	✓	External fuel tank 1 000 – 10 000 l	✓
Silenced canopy made with Al.-Zn.	✓	Fuel tank filling pump and shut-off valve	✓
Standard color RAL 7032	✓	Battery disconnection switch	✓
Frame with fuel tank and drip tray	✓	Transfer switch with ATS controller	✓
Fuel inlet outside of the canopy with lock	✓	Nonstandard canopy color	✓
Fuel level measurement	✓		
Exhaust compensator and silencer	✓		
Engine and alternator vibro isolators	✓		
Transportation brackets	✓	*according to individual agreement	



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INSTALLATION GUIDELINES

Power terminal	GCB terminal
Recommended cable for up to 30m power cable way	Flexible 5x150mm ²
Recommended cable for do 30m generator heater supply	Flexible 3x2,5mm 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

Back-up power generators	60 months up to 1000 working hours, under condition of required maintenance according to the warranty conditions
Continuous work generators	12 months up to 1000 working hours

