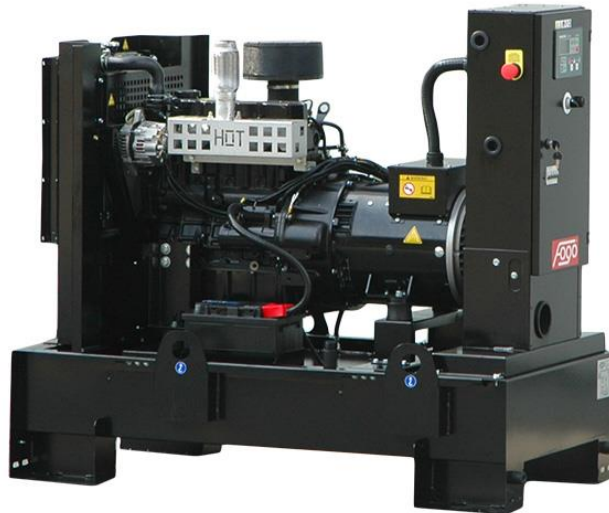


MAIN FEATURES

- Optimal performance resulting from the engine and alternator parameters,
- The highest quality of electrical components,
- Welded frame with integrated fuel tank,
- Large capacity fuel tanks available on request,
- Compact frame, adapted to the monoblock dimensions,
- Easy maintenance access,
- Fuel tank non integrated with the frame as well as drip tray protecting against engine liquid leakage, available on request,
- Wide range of standard and optional equipment


GENERAL DATA

Model	F.0015.MA.F
Standby power E.S.P. [kVA] / [kW]	16,2 / 12,9
Prime power P.R.P. [kVA] / [kW]	14,7 / 11,8
Prime current P.R.P [A]	21,2
Frequency [Hz]	50
Voltage [V]	400
Exhaust emission	non-emission
Fuel type	Diesel (EN 590)
Fuel consumption - 50% load [l/h]	2,7
- 75% load [l/h]	3,4
- 100% load [l/h]	4,3
- 110% load [l/h]	4,7
Standard fuel tank capacity [l]	140
Autonomy with 100% load [h]	32,6
Engine control voltage [V]	12
Weight without fuel [kg]	~670
Dimensions L x W x H [mm]	1443 x 770 x 1245
Acoustic power Lwa [dBA]	107,7 ± 4,3
Acoustic pressure Lpa (7m) [dBA]	78,1 ± 4,2

Nominal power P.R.P.:

Prime power available in variable load application in accordance with ISO 8528, 10% overload capacity is available for a period of 1 hour within a 12-hour period of operation. Average power consumption should not exceed 70% P.R.P for each 24h of work.

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 200 operation hours per year, average power consumption should not exceed 70% E.S.P for each 24h

Remark:

Ratings represent the genset performance capabilities to standard conditions specified in ISO 8528-1

Norms and directives:

- Machinery directive 2006/42/WE
- Low voltage directive 2006/95/WE
- EC directive 2004/108/WE
- Emission directive 97/68/WE
- ISO 8528-1/2005, PN-ISO 8528-5/2005
- PN-EN 12601
- PN-EN 60204-1

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	Mitsubishi
Type	S4L2-61SD
Made in	India
Engine power [kW]	13,9
Emission standard*	non-emission
Rotation per minute [rpm]	1500
Engine governor	
Governor class**	G2
Displacement [l]	1,8
No of cylinder	4
Fuel system	
Electrical system [V]	12
Cooling system capacity [l]	2,5
Oil pan capacity [l]	6,0
Fuel type	Diesel (EN 590)

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

** According PN-ISO 8528-5/2005

ALTERNATOR

Nominal Voltage [V]	400
Nominal power factor (cos phi)	0,8
Ambient temperature, altitude	40 °C, 1000m a.m.s.l
Nominal Power [kVA]	15,0
IP protection	IP 23
No of bearing	single bearing
Coupling	direct
Technology	brushless
Short circuit maintaining capacity	
Efficiency [%]	85,3
Insulation class	H
Total harmonic content THD [%]	<3,5
Reactance Xd'' [%]	8,4
Voltage regulator type	DVR digital
Voltage measurement	3 phases
Voltage accuracy [%]	+/- 0,5
AVR supply system	auxiliary winding
Made in	EU

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

**FOCUSED ON GENERATORS ONLY****Power Generator FDF 15 M****STANDARD EQUIPMENT****OPTIONAL EQUIPMENT**

Controller ComAp AMF25	✓	Oil pressure sensor	✓
Controller switch	✓	Engine temperature sensor	✓
GCB Schneider Z25/4	✓	Oil draining hand pump	✓
Shunt GCB release coil	✓	Fuel filter with water separator	✓
Acoustic alarm	✓	Battery disconnection switch	✓
Emergency stop button	✓	Power socket connection	✓
Starting batteries 75 Ah	✓	Power socket box	✓
Battery charger	✓	Transfer switch controlled by generator controller	✓
Glow plugs	✓	Transfer switch with ATS controller	✓
Engine preheating with thermostat	✓	GPRS communication card	✓
Engine oil Titan Cargo 15W40	✓	Ethernet card	✓
Oil low pressure switch	✓	RS 485, RS 232 card	✓
Engine high temperature switch	✓	Remote display	✓
Fuel tank integrated in frame with drip tray	✓	Drip space level sensor	✓
Frame with fuel tank	✓	Fuel and retention pump	✓
Fuel level measurement	✓	Non-standard fuel tank size	✓
Exhaust compensator and silencer	✓	External fuel tank 1 000 – 10 000 l	✓
Coolant Fuchs Maintain Fricofin LL-35	✓	3-way valve for external fuel tank connection	✓
Coolant draining valve	✓	Fuel tank filling pump and shut-off valve	✓
Engine and alternator vibro isolators	✓		
Transportation brackets	✓		

**INSTALLATION GUIDELINES**

Power terminal	GCB terminal
Recommended cable for up to 30m power cable way	Flexible 5x6mm ²
Recommended cable for do 30m generator heater supply	Flexible 3x2,5mm ²
*For additional cabale connection with FOGO ATS see ATS wiring diagram	
Exhaust pipe min diameter (max. 7 m, 4 bends)	48,3 mm
Exhaust pipe min diameter (max. 15 m, 4 bends)	48,3 mm

MAINTENANCE GUIDELINES

Fuel filters replacement	250 h / 1 year
Oil replacement	After first 50h, then every 250 h / 1 year
Oil filters replacement	After first 50h, then every 250 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 work generators	12 months up to 1000 working hours
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