



Endress Group Romania S.R.L.

Offices:

Bucharest: km 16 A1 - Ciorogarla, Sos. Bucuresti, Nr. 108

Production:

Germany, Grafenberg, Werner von Siemens Str. 3

Romania, Bocsa, Str. Medresului, Nr. 17, Caras-Severin County...



1. DIESEL ENGINE

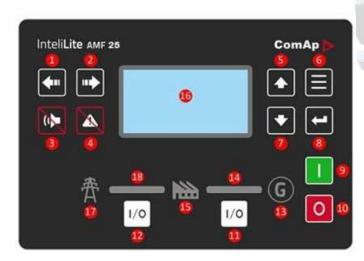
ENGINE SPECIFICATIONS	
Туре	PERKINS
Model	1106A-70TG1
No. of cylinders & arrangement	6 in line
Induction system	Turbocharged
Cooling system	Liquid cooling
Standby power (kWm)	136.9
Speed (rpm)	1500
Displacement (I)	7,01
Bore & Stroke (mm)	105 x 135
Compression factor	18,2:1
Regulator	Electronic
Total oil capacity (I)	16.5
Coolant capacity of engine (I)	21
Fuel consumption at 100% load in prime mode (I / h)	22.7

2. ALTERNATOR

ALTERNATOR SPECIFICATIONS	Leroy Somer or Strathon
Model	TAL044H or ECO 150 KW
Frequency (Hz)	50
Concept	Brushless, 4 poles
Phases	3 + n
Voltage(V)	400 / 230
Protection class	Н
Excitation system	Electronic
Performance	93%
Protection	IP23
Certification test	EN 10204 : 2001

3. PANOU COMANDA

Made in metal box, IP54 degree, with lock. The control panel is equipped with the ComAp AMF25 control module, with the possibility of starting and stopping the generator, both in automatic and in electric mode. The control panel monitors the power grid and can command and control the ATS panel (automatic transfer switch).



- 1. Left button
- 2. Right button
- 3. HORN RESET button
- 4. FAULT RESET button
- 5. UP button
- 6. PAGE button
- 7. DOWN button
- 8. ENTER button
- 9. START button
- 10. STOP button
- 11. GCB button. Works in MAN and TEST modes only
- 12. MCB button. Works in MAN and TEST modes only
- 13. **GENERATOR** status indicator

14. **GCB ON**. Green LEDs are on if GCB is closed and Gen-set is healthy.

- 15. LOAD
- 16. Graphic B/W display, 132x64 pixels
- 17. MAINS status indicator

18. **MCB ON**. Green LEDs are on if MCB is closed and Mains is healthy



Control panel standard specifications:

The command and control panel is mounted inside the casing, in a metal box with IP 54, equipped with a viewing glass, equipped with:

- ComAp AMF 25 command module
- Static battery charger
- Emergency stop button & circuit breaker fuses
- Overcurrent differential protection
- Protection relays

Configuration:

- 1. ComAp AMF 25 command module
- 2. Circuit Breaker protection
- 3. Locks
- 4. Alarm
- 5. START button ON/OFF
- 6. Hinges
- 7. Maintenance schedule
- 8. Metal box

• Command module standard specifications:

- Microprocessor control
- 132 x 64 pixel LCD display
- Programming on front panel as well as through PC software
- Control buttons and soft touch navigation
- Remote communication via USB or with optional modules via RS232, RS485, Ethernet or SMS
- Store 350 events with date and time
- Maintenance programming 3 levels
- Engine heater control Optional

• Displays:

Engine: engine speed; oil pressure; coolant temperature; running time; battery voltage; maintenance data.

Alternator: voltage (L - L, L - N); current (L1 - L2 - L3); frequency; kW; Pf; kVAr; kWh,kVAh, kVarh; phase sequence.

Main network: voltage (L - L, L - N); frequency, mains ready; mains off; generator set ready, generator set disconnected, active power kW, apparent power kVA, reactive power kVA r, power factor, phase sequence.

• Warning: battery faulty charging, low battery voltage, fail to stop, low fuel level, overload, phase reversing, speed sensor failure.

• Alarms: low oil pressure, high engine temperature, under / over voltage, under / overfrequency, under / overvoltage, ECU fault -optional.

• Status displays: missed start, emergency stop, low oil pressure, high engine temperature, under / overspeed, under / overfrequency, under / overvoltage, oil sensor, phase rotation, overload, overcurrent group, phase reversal.

◆ Static battery charger: Made with TSD technology, with high efficiency. Protected for shortcircuit currents, it can be used as a current source, input voltage 196-264 V, output voltage 27.6 V / 5A or 13.8 V / 5A.

Standards:

Electrical safety / EMC, BS EN 60950; BS EN 60950 - 6 - 2 EMC; BS EN 61000 - 6 - 4 EMC.

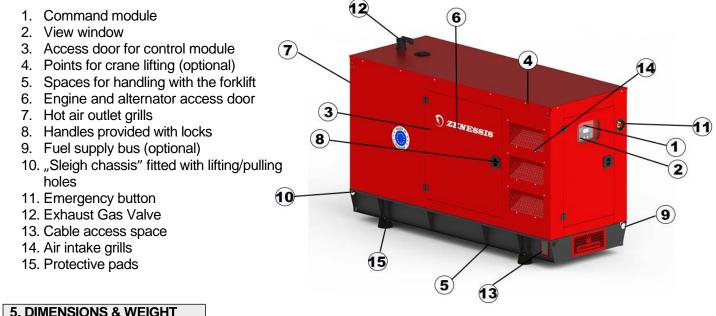




ENERGY SOLUTIONS

4. HOUSING

Made of galvanized steel, painted in electrostatic field, soundproofed. It is modularly designed with in-door access doors on all sides of the generator. The exhaust pan is residential type, mounted inside the casing. The carcasses are designed to optimize the cooling of the engine and alternator assembly, and can be mounted outdoors, providing protection against weathering and low noise levels.



5. D	IMENSION	NS & WEIGHT	

Opened generator sizes & weight	
Sizes (length x width x height) (mm)	2690 x 1100 x 2050
Weight (kg)	1390
Fuel tank capacity (liters)	300
Noise level (from distance of 7m)	82 db
Closed generator sizes & weight	
Sizes (length x width x height) (mm)	2890 x 1110 x 1750
Weight (kg)	1880
Fuel tank capacity (liters)	200
Noise level (from distance of 7m)	70 db

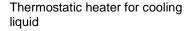
6. STANDARD FEATURES

Control & comand panel with indicators and measuring devices, IP 54 protection

Stating charger for charger

Dinamic alternator for battery charging









Oversized starting battery

Emergency stop button









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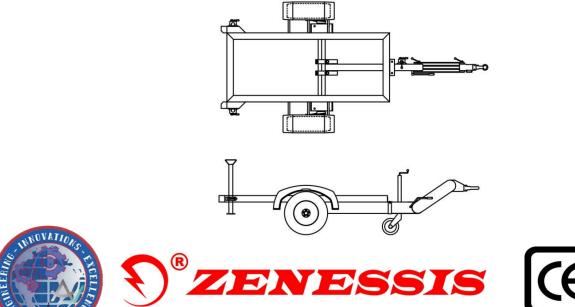
BOCSA,str. Medresului 17, Tel.: 0040.255.227.825; Fax: 0040.255.227.828 . BUCURESTI: km 16 A1 – Ciorogarla, Sos. Bucuresti, Nr. 108; Tel.: 0040.21.350.09.95; Fax: 0040.31.817.66.08. E-mail: <u>office@endress-group.ro</u>; Web: <u>www.endress-group.ro</u>



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Fuel filter with water Grounding electrodes detection Bypass panel-petented invention ENDRESS-Patent Fuel transfer automatic OSIM 00010/ 2012 pump Auto trailer Mobile distribution panel with 4 sockets Cable reel Remote control start Lack of grounding protection Fire detector with automatic shutdown generator set Interior lighting with Fire extinguishing system switches operated at door with inert gas opening Optional: RAR homologated auto trailer

Model: EGR 2700



Created in Germany – Assembled in Romania Warranty: 24 months or 3000 operating hours

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