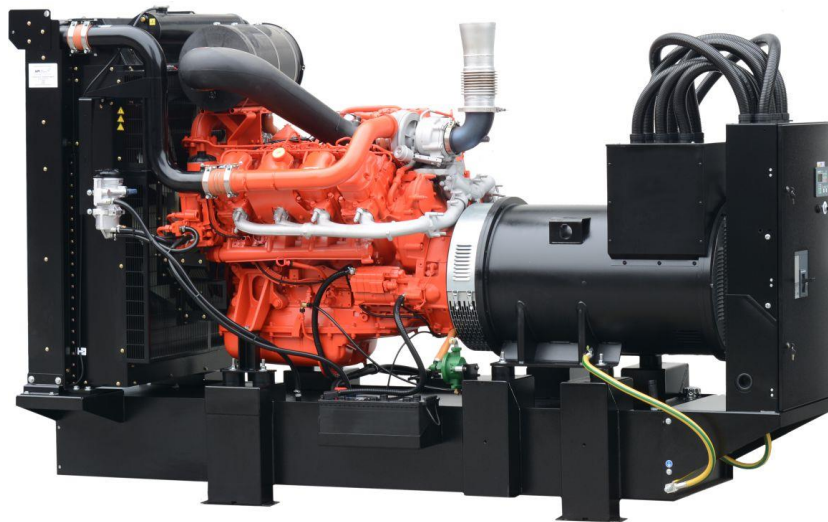


**MAIN FEATURES**

Highest quality and reliability. ComAp IntelliLite AMF 25 controller. Ready to control MAINS – GENERATOR transfer switch. Configured for both manual and automatic mode (MRS + AMF).	Wide range of standard and optional equipment. Engine heater – ready to load just after start. Frame anticorrosion coating – Zr. Brushless alternator.
Wide range of remote communications options. Schneider NS type GCB.	



The presented image is for illustration purpose only.

**GENERAL DATA**

Code	F.0730.SAP.F	<b>Nominal power P.R.P.:</b> 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% PRP for each 24-hour period of operation.
Standby power E.S.P. [kVA] / [kW]	767,0 / 614,0	<b>Stand-by power E.S.P.:</b> 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 mean load factor of 70% of rated power over 24-hour period of operation.
Prime power P.R.P. [kVA] / [kW]	697,0 / 558,0	
Prime current P.R.P [A]	1006,0	<b>Remark:</b> Ratings represent the genset performance capabilities to standard conditions specified in ISO 8528-1
Frequency [Hz]	50	
Voltage [V]	400	
Exhaust emission	fuel optimized	
Fuel type	Diesel (EN 590)	
Fuel consumption - 50% load [l/h]	76,1	<b>Norms and directives:</b> <ul style="list-style-type: none"> <li>• Machinery directive 2006/42/EC</li> <li>• Low voltage directive 2014/35/EC</li> <li>• EC directive 2014/30/EC</li> <li>• Emission directive 97/68/EC</li> <li>• ISO 8528-1:2018, ISO 8528-5:2018</li> <li>• ISO 8528-13:2016</li> <li>• EN 60204-1</li> </ul>
- 75% load [l/h]	111,3	
- 100% load [l/h]	141,2	
- 110% load [l/h]	158,8	
Standard fuel tank capacity [l]	740	
Autonomy with 100% load [h]	5,2	
Engine control voltage [V]	24	
Weight without fuel [kg]	~4260	
Dimensions L x W x H [mm]	3516 x 1466 x 2192	
Acoustic power Lwa [dBA]	127,3 ± 2	
Acoustic pressure Lpa (7m) [dBA]	97,9 ± 2	

### 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

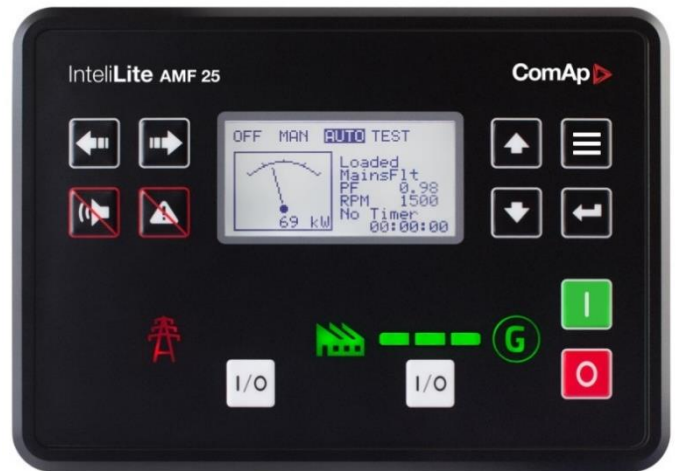
Cloud-based monitoring and control via WebSupervisor

Active SMS or e-mails (module required)

Geofencing and tracking via WebSupervisor

Operating temperature -20 + 70°C

IP65 operator interface protection



### ENGINE

Brand	Scania
Type	DC16 078A 02-43
Made in	Sweden
Engine power [kW]	596,0
Emission standard*	fuel optimized
Rotation per minute [rpm]	1500
Engine governor	electronic
Governor class**	G3
Displacement [l]	16,4
No of cylinder	8
Fuel system	Extra high pressure XPI
Electrical system [V]	24
Cooling system capacity [l]	68,0
Oil pan capacity [l]	48,0
Fuel type	Diesel (EN 590)

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

\*\* According ISO 8528-5:2018

### 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]	730,0
IP protection	IP 23
No of bearing	single bearing
Coupling	direct
Technology	brushless
Short circuit maintaining capacity	270% 10s
Efficiency [%]	93,6
Insulation class	H
Total harmonic content THD [%]	3,5
Reactance Xd'' [%]	15,9
Voltage regulator type	DVR, digital
Voltage measurement	3 phases
Voltage accuracy [%]	+/- 0,25
AVR supply system	auxiliary winding
AVR supply optional	PMG
Made in	EU



# FOGO FOCUSED ON GENERATORS ONLY

## Power Generator FDF 730 S

### STANDARD EQUIPMENT

Scania DC16 078A 02-42 engine	✓
Electronic engine speed governor	✓
Oil low pressure switch	✓
Oil pressure sensor	✓
Engine high temperature switch	✓
Engine high temperature sensor	✓
Engine preheating with thermostat	✓
Engine oil Titan Cargo 15W40	✓
Fuel filter with water separator	✓
Coolant Fuchs Maintain Fricofin LL-35	✓
Starting batteries 2x180Ah	✓
Battery charger	✓
GCB Schneider NS1250 3P + Micrologic 2.0	✓
GCB shunt release coil	✓
Bar connection	✓
Controller ComAp IntelliLite AMF 25	✓
Acoustic alarm	✓
Emergency stop button	✓
Welded frame with fuel tank	✓
Fuel level measurement	✓
Exhaust compensator	✓
Engine and alternator vibro isolators	✓
Silencer delivered with the generator	✓
Transportation brackets	✓

### OPTIONAL EQUIPMENT

Battery disconnection switch	✓
GCB 4P Schneider NS Micrologic 2.0	✓
Power Lock type power output	✓
Power socket box	✓
Transfer switch controlled by generator controller	✓
Transfer switch with ATS controller	✓
GPRS communication card	✓
Ethernet card	✓
RS 485, RS 232 card	✓
Remote display	✓
External fuel tank 1 000 – 10 000 l	✓
3-way valve for external fuel tank connection	✓
Fuel tank filling pump and shut-off valve	✓
Oil draining hand pump	✓

**INSTALLATION GUIDELINES**

Power terminal	Busbar
Recommended cable for up to 30m power cable way	Flexible 3x5x185 mm <sup>2</sup>
Recommended cable for do 30m generator heater supply	Flexible 3x2,5 mm <sup>2</sup>
*For additional cable connection with FOGO ATS see ATS wiring diagram	
Exhaust pipe min diameter (max. 7 m, 4 bends)	133 mm
Exhaust pipe min diameter (max. 15 m, 4 bends)	

**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 work generators	12 months up to 1000 working hours
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