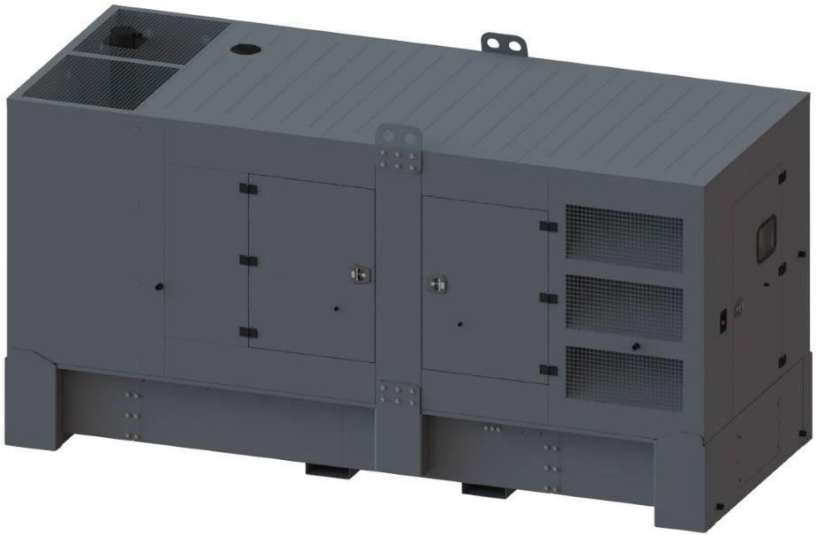
Scania 715 kVA

MAIN FEATURES

Highest quality and reliability.	Wide range of standard and optional equipment.
ComAp InteliLite AMF 25 controller.	Engine heater – ready to load just after start.
Ready to control MAINS – GENERATOR transfer switch.	Drip tray,
Configured for both manual and automatic mode (MRS + AMF).	Anticorrosion coating: frame - Zr, canopy – Zr, Al-Zn.
Wide range of remote communications options.	Brushless alternator.
Schneider NS type GCB.	



The presented image is for illustration purpose only.

GENERAL DATA

Code	DPX-17955
Standby power E.S.P. [kVA] / [kW]	711,0 / 569,0
Prime power P.R.P. [kVA] / [kW]	647,0 / 517,0
Prime current P.R.P [A]	933,0
Frequency [Hz]	50
Voltage [V]	400
Exhaust emission	fuel optimized
Fuel type	Diesel (EN 590)
Fuel consumption - 50% load [l/h]	64,6
- 75% load [l/h]	93,4
- 100% load [l/h]	128,7
- 110% load [l/h]	142,0
Standard fuel tank capacity [l]	990
Autonomy with 100% load [h]	7,9
Engine control voltage [V]	24
Weight without fuel [kg]	5740
Dimensions L x W x H [mm]	4850 x 1961 x 2521
Guaranteed noise power Lwa [dBA]	105
Acoustic pressure Lpa (7m) [dBA]	73,6±2,2

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% PRP for each 24-hour period of operation

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 mean load factor of 70% of rated power over 24-hour period of operation.

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

Norms and directives:

- Machinery directive 2006/42/EC
- Low voltage directive 2014/35/EC
- EC directive 2014/30/EC
- Noise directive 2000/14/EC
- Emission directive 97/68/EC
- ISO 8528-1:2018, ISO 8528-5:2018
- ISO 8528-13:2016
- EN 60204-1

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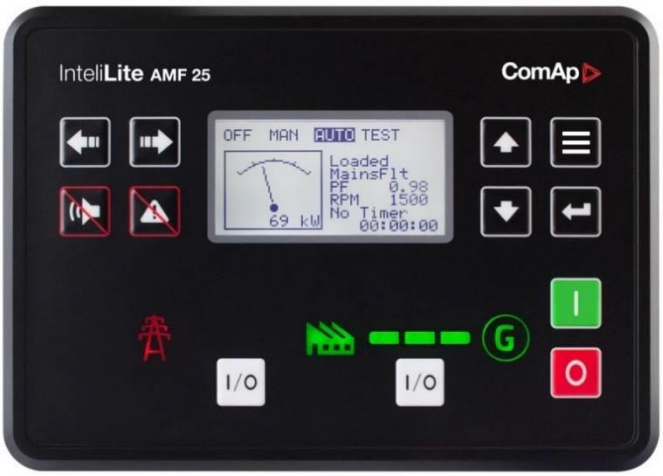
STANDARD CONTROLLER

Controller type: ComAp InteliLite 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 093A 02-54
Made in	Sweden
Engine power [kW]	545,0
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	unit injectors, PDE
Electrical system [V]	24
Cooling system capacity [l]	68,0
Oil pan capacity [l]	48,0
Fuel type	Diesel (EN 590)

ALTERNATOR

Nominal Voltage [V]	400
Nominal power factor (cos phi)	0,8
Ambient temperature, altitude	40 ºC, 1000m a.m.s.l
Nominal Power [kVA]	660,0
IP protection	IP 23
No of bearing	single bearing
Coupling	direct
Technology	brushless
Short circuit maintaining capacity	270% 10s
Efficiency [%]	94,9
Insulation class	H
Total harmonic content THD [%]	1,5
Reactance Xd'' [%]	12,5
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

***** According directive 97/68/EC non road mobile machinery engine emission.
****** According ISO 8528-5:2018

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STANDARD EQUIPMENT		OPTIONAL EQUIPMENT	
Scania DC16 093A 02-54 engine	✓	Battery disconnection switch	☐
Electronic engine speed governor	✓	GCB 4P Schneider NS Micrologic 2.0	☐
Oil low pressure switch	✓	Power Lock type power output	☐
Oil pressure sensor	✓	Power socket box	☐
Engine high temperature switch	✓	Transfer switch controlled by generator controller	☐
Engine high temperature sensor	✓	Transfer switch with ATS controller	☐
Engine preheating with thermostat	✓	GPRS communication card	☐
Engine oil Titan Cargo 15W40	✓	Ethernet card	☐
Fuel filter with water separator	✓	RS 485, RS 232 card	☐
Coolant Fuchs Maintain Fricofin LL-35	✓	Remote display	☐
Coolant inlet outside of the canopy	✓	Drip space level sensor	☐
Starting batteries 2x180Ah	✓	External fuel tank 1 000 – 10 000 l	☐
Battery charger	✓	3-way valve for external fuel tank connection	☐
GCB Schneider NS1000 3P + Micrologic 2.0	✓	Fuel tank filling pump and shut-off valve	☐
GCB shunt release coil	✓	Non-standard canopy color (RAL palette)	☐
Bar connection	✓	Oil draining hand pump	☐
Controller ComAp InteliLite AMF 25	✓		
Acoustic alarm	✓		
Emergency stop button	✓		
Silenced canopy made with Al.-Zn.	✓		
Standard color RAL 7024	✓		
Fuel tank installed in drip tray	✓		
Welded frame with fuel tank	✓		
Fuel inlet inside, protected by canopy locked doors	✓		
Fuel level measurement	✓		
Exhaust compensator and silencer	✓		
Engine and alternator vibro isolators	✓		
Transportation brackets	✓		

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INSTALLATION GUIDELINES

Power terminal	Busbar
Recommended cable for up to 30m power cable way	Flexible 3x5x150 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)	159 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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