

MAIN FEATURES

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



Sample photo
F.0040.4.KA-S2001T210-01



F.0040.4.KA-S2001T210-02

GENERAL DATA

Standby power E.S.P. [kVA] / [kW]	44,0 / 35,0	
Prime power P.R.P. [kVA] / [kW]	40,0 / 32,0	
Prime current P.R.P [A]	58,0	
Frequency [Hz]	50	
Voltage [V]	400	
Exhaust emission	non-emission	
Fuel type	Diesel (EN 590)	
Fuel consumption - 50% load [l/h]	5,2	
- 75% load [l/h]	7,5	
- 100% load [l/h]	9,8	
- 110% load [l/h]	10,7	
Engine control voltage [V]	12	
Standard fuel tank capacity [l]	210	
Autonomy with 100% load [h]	20,3	
Generator version	open	canopy
Model	FD 40 K-ST1	FD 40 K-ST
Weight without fuel [kg]	~800	950
Dimensions L x W x H [mm]	2000 x 1100 x 1320	2000 x 1100 x 1490
Guaranteed noise power Lwa [dBA]	108 ± 2	91
Acoustic pressure Lpa 7m [dBA]	79,7 ± 2	60,6 ± 1,6

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 1h within a 12h period of operation. Average power consumption should not exceed 80% 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 200h of operation per year, max average power consumption 70% of ESP.

Remark:

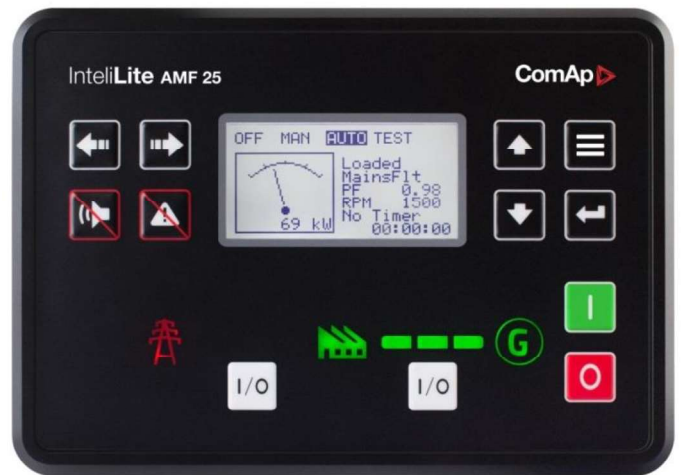
All parameters are given for reference conditions: ambient air temperature up to 40 C and site altitude above sea level 1000m

Norms and directives:

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

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	Kohler
Type	KDI2504TM-40
Made in	Italy
Engine power [kW]	36,2
Emission standard*	non-emission
Rotation per minute [rpm]	1500
Engine governor	mechanical
Governor class**	G2
Displacement [l]	2,5
No of cylinder	4
Fuel system	
Electrical system [V]	12
Cooling system capacity [l]	7,7
Oil pan capacity [l]	11,5
Fuel type	Diesel (EN 590)

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]	40,0
IP protection	IP 23
No of bearing	single bearing
Coupling	direct
Technology	brushless
Short circuit maintaining capacity	270% 10s
Efficiency [%]	88,9
Insulation class	H
Total harmonic content THD [%]	<2
Reactance Xd'' [%]	7,4
Voltage regulator type	DVR, digital
Voltage measurement	3 phases
Voltage accuracy [%]	+/- 0,25
AVR supply system	auxiliary winding
Made in	EU

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

** According PN-ISO 8528-5/2018

