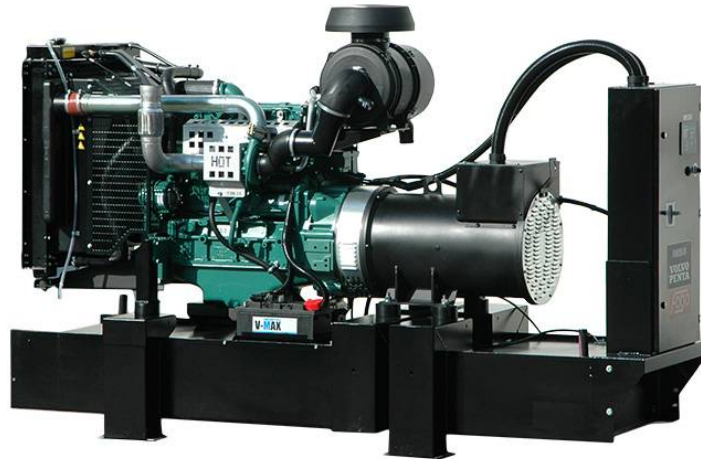


MAIN FEATURES

Highest quality and reliability. ComAp IL-NT AMF25 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 NSX type GCB.	



The presented image is for illustration purpose only.

GENERAL DATA

Code	F.0135.VA.F	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 12-hour period of operation. Average power consumption should not exceed 70% PRP for each 24 hours of work.
Standby power E.S.P. [kVA] / [kW]	143,0 / 114,0	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 500h of operation per year, average power consumption should not exceed 80% ESP for each 24 hour
Prime power P.R.P. [kVA] / [kW]	130,0 / 104,0	Remark: All parameters are given for reference conditions: ambient air temperature up to 40°C and site altitude above sea level 1000m.
Prime current P.R.P [A]	188,0	Norms and directives:
Frequency [Hz]	50	<ul style="list-style-type: none"> • Machinery directive 2006/42/EC • Low voltage directive 2014/35/EC • EC directive 2014/30/EC • Emission directive 97/68/EC • ISO 8528-1:2005, ISO 8528-5:2013 • ISO 8528-13:2016 • EN 60204-1
Voltage [V]	400	
Exhaust emission	stage II	
Fuel type	Diesel (EN 590)	
Fuel consumption - 50% load [l/h]	15,6	
- 75% load [l/h]	22,4	
- 100% load [l/h]	30,1	
- 110% load [l/h]	33,2	
Standard fuel tank capacity [l]	500	
Autonomy with 100% load [h]	16	
Engine control voltage [V]	12	
Weight without fuel [kg]	1340	
Dimensions L x W x H [mm]	2720 x 986 x 1726	
Acoustic power Lwa [dBA]	116,2 ± 2,2	
Acoustic pressure Lpa (7m) [dBA]	86,7 ± 2,2	

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	Volvo
Type	TAD532GE
Made in	Germany
Engine power [kW]	113,0
Emission standard*	stage II
Rotation per minute [rpm]	1500
Engine governor	electronic
Governor class**	G3
Displacement [l]	4,8
No of cylinder	4
Fuel system	unit injectors
Electrical system [V]	12
Cooling system capacity [l]	20,2
Oil pan capacity [l]	13,0
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]	135,0
IP protection	IP 23
No of bearing	single bearing
Coupling	direct
Technology	brushless
Short circuit maintaining capacity	270% 10s
Efficiency [%]	92,0
Insulation class	H
Total harmonic content THD [%]	<2
Reactance Xd'' [%]	10,1
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 8528-5:2013



FOGO FOCUSED ON GENERATORS ONLY

Power Generator FDF 135 V

STANDARD EQUIPMENT

Volvo TAD532GE 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	✓
Oil draining hand pump	✓
Fuel filter with water separator	✓
Coolant Fuchs Maintain Fricofin LL-35	✓
Starting batteries 2x 100 Ah	✓
Battery charger	✓
GCB Schneider NSX 250 3P + Mic.2.2	✓
GCB shunt release coil	✓
Controller ComAp IL-NT-AMF25	✓
Controller switch	✓
Acoustic alarm	✓
Emergency stop button	✓
Welded frame with fuel tank	✓
Frame with drip tray	✓
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 NSX Micrologic 2.2	✓
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	✓
Fuel and retention pump	✓
External fuel tank 1 000 – 10 000 l	✓
3-way valve for external fuel tank connection	✓
Fuel tank filling pump and shut-off valve	✓

**INSTALLATION GUIDELINES**

Power terminal	GCB terminal
Recommended cable for up to 30m power cable way	Flexible 5x95 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)	88,9 mm
Exhaust pipe min diameter (max. 15 m, 4 bends)	114,3 mm

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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