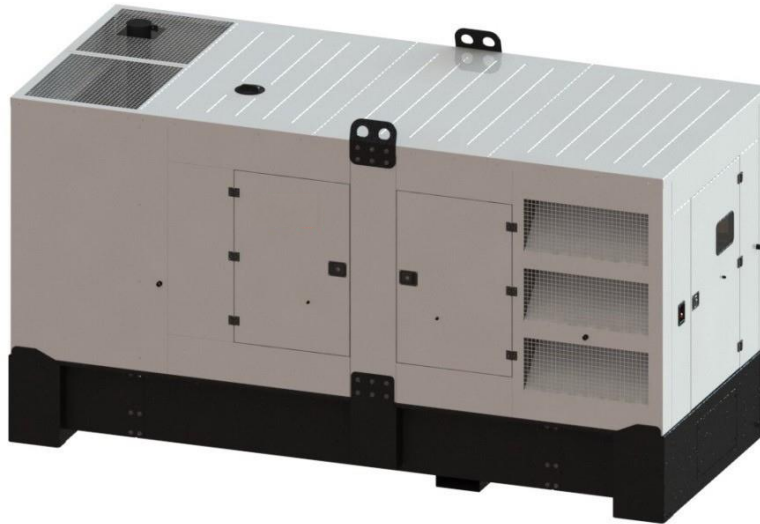


## MAIN FEATURES

Highest quality and reliability. ComAp IL-NT AMF25 controller.	Wide range of standard and optional equipment. Wide range of remote communications options.
Ready to control MAINS – GENERATOR transfer switch. Anticorrosion coating: frame - Zr, canopy – Zr, Al-Zn.	Configured for both manual and automatic mode (MRS + AMF). Welded retention bund.
Brushless alternator. Engine heater – ready to load just after start.	Digital, 3 phase voltage regulator – DVR. Schneider NS type GCB.



## GENERAL DATA

Model	DPX-17954
Standby power E.S.P. [kVA] / [kW]	660,0 / 528,0
Prime power P.R.P. [kVA] / [kW]	600,0 / 480,0
Prime current P.R.P [A]	866,0
Frequency [Hz]	50
Voltage [V]	400
Exhaust emission	fuel optimized
Fuel type	Diesel (EN 590)
Fuel consumption - 50% load [l/h]	63,4
- 75% load [l/h]	90,8
- 100% load [l/h]	121,7
- 110% load [l/h]	133,3
Standard fuel tank capacity [l]	990
Autonomy with 100% load [h]	8,1
Engine control voltage [V]	24
Weight without fuel [kg]	~5600
Dimensions L x W x H [mm]	4560 x 1961 x 2521
Guaranteed noise power Lwa [dBA]	105
Acoustic pressure Lpa (dla 7m) [dBA]	75,3 ± 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% 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 200 operation hours per year. Max mean load factor of 70% of rated power over 24h of operation

### Remark:

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

### 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 8528-1/2005, ISO 8528-5/2013
- PN-EN 12601
- PN-EN 60204-1

## 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	Scania
Type	DC16 078A 02-41
Made in	Sweden
Engine power [kW]	511,0
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/WE non road mobile machinery engine emission.

\*\* According PN-ISO 8528-5/2005

## ALTERNATOR

Brand	Sincro*
Type	SK355LS
Made in	Croatia
Power (40 °C, 1000m a.m.s.l.) [kVA]	600,0
Power (27 °C, 1000m a.m.s.l) [kVA]	654,0
Efficiency [%]	94,6
Voltage regulator type	DVR, digital
Voltage accuracy [%]	+/- 0,25
IP protection	IP 23
Insulation class	H
Total harmonic content THD [%]	< 2
Reactance Xd'' [%]	10,7

\* STAMFORD or other alternator suppliers on request. Genset general data may change in this case.

## STANDARD EQUIPMENT

## OPTIONAL EQUIPMENT

Scania DC16 078A 02-41 engine	Battery disconnection switch
Electronic engine speed governor	Alternator with PMG
Oil low pressure switch	4 pole GCB Schneider NS Micrologic 2.0
Oil pressure sensor	Power Lock type power output
Engine high temperature switch	Power socket box*
Engine high temperature sensor	Transfer switch controlled by generator controller
Engine preheating with thermostat	Transfer switch with ATS controller
Engine oil Shell Rimula R4L	GPRS communication card
Oil draining hand pump	Ethernet card
Fuel filter with water separator	RS 485, RS 232 card
Coolant Anti Freeze	Remote display
Coolant inlet outside of the canopy	Drip space level sensor
Starting batteries 2x180Ah	Fuel and retention pump
Battery charger	Non-standard fuel tank size*
Sincro SK355LS alternator	External fuel tank 1 000 – 10 000 l
Digital 3 phase AVR	Fuel tank filling pump and shut-off valve
GCB Schneider NS 1000 3P + Mic.2.0	Non-standard canopy color
GCB shunt release coil	
Bar connection	
Controller IL-NT-AMF25	*according to individual agreement
Controller switch	
Acoustic alarm	
Emergency stop button	
Silenced canopy made with Al.-Zn.	
Standard color RAL 7032	
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	

## INSTALLATION GUIDELINES

Power terminal	Busbar
Recommended cable for up to 30m power cable way	Flexible 2x5x240mm <sup>2</sup>
Recommended cable for do 30m generator heater supply	Flexible 3x2,5mm <sup>2</sup>
*For additional cable connection with 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

Back-up power generators	60 months up to 1000 working hours, under condition of required maintenance according to the warranty conditions
Continuous work generators	12 months up to 1000 working hours