

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.	Configured for both manual and automatic mode (MRS + AMF).
Anticorrosion coating: frame - Zr, canopy – Zr, Al-Zn.	Drip tray,
Brushless alternator.	Digital, 3 phase voltage regulator – DVR.
Engine heater – ready to load just after start.	Schneider NSX type GCB.



GENERAL DATA

Model	DPX-17554	Nominal power P.R.P.:	Prime power available in variable load application in accordance with ISO 8528, A 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.
Standby power E.S.P. [kVA] / [kW]	154,0 / 123,0	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 200h of operation per year, max average power consumption 70% of ESP.
Prime power P.R.P. [kVA] / [kW]	140,0 / 112,0	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]	202,0	Norms and directives:	<input type="checkbox"/> Machinery directive 2006/42/WE <input type="checkbox"/> Low voltage directive 2006/95/WE <input type="checkbox"/> EC directive 2004/108/WE <input type="checkbox"/> Noise directive 2000/14/WE <input type="checkbox"/> Emission directive 97/68/WE <input type="checkbox"/> ISO 8528-1/2005, PN-ISO 8528-5/2005 <input type="checkbox"/> PN-EN 12601 <input type="checkbox"/> PN-EN 60204-1
Frequency [Hz]	50		
Voltage [V]	400		
Exhaust emission	stage I		
Fuel type	Diesel (EN 590)		
Fuel consumption - 50% load [l/h]	14,8		
- 75% load [l/h]	22,6		
- 100% load [l/h]	30,1		
- 110% load [l/h]	34,8		
Standard fuel tank capacity [l]	350		
Autonomy with 100% load [h]	11,6		
Engine control voltage [V]	12		
Weight without fuel [kg]	2100		
Dimensions L x W x H [mm]	3398 x 1650 x 2151		
Guaranteed noise power Lwa [dBA]	96		
Acoustic pressure Lpa (dla 7m) [dBA]	64,6 ± 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

ALTERNATOR

Brand	FPT (Iveco)	Brand	Sincro*
Type	NEF67TM4	Type	SK225LM
Made in	Italy	Made in	Croatia
Engine power [kW]	149,7	Power (40 °C, 1000m a.m.s.l.) [kVA]	140,0
Emission standard*	stage I	Power (27 °C, 1000m a.m.s.l) [kVA]	155,0
Rotation per minute [rpm]	1500	Efficiency [%]	91,7
Engine governor	mechanical	Voltage regulator type	Digital DVR
Governor class**	G2	Voltage accuracy [%]	+/- 0,5
Displacement [l]	6,7	IP protection	IP 23
No of cylinder	6	Insulation class	H
Fuel system	direct injection	Total harmonic content THD [%]	< 2,5
Electrical system [V]	12	Reactance Xd'' [%]	10,3
Cooling system capacity [l]	25,5		
Oil pan capacity [l]	17,2		
Fuel type	Diesel (EN 590)		

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

** According PN-ISO 8528-5/2005

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

STANDARD EQUIPMENT
OPTIONAL EQUIPMENT

FPT (Iveco) NEF67TM4 engine	Electronic engine speed governor
Oil low pressure switch	Oil pressure sensor
Engine high temperature switch	Engine temperature sensor
Engine preheating with thermostat	Oil draining hand pump
Engine oil Shell Rimula R4L	Battery disconnection switch
Fuel filter with water separator	Alternator with PMG
Coolant Anti Freeze	4 pole GCB 4P Schneider NSX Micrologic 2.2
Coolant inlet outside of the canopy	Power Lock type power output
Starting batteries 2 x 100 Ah	Power socket box*
Battery charger	Transfer switch controlled by generator controller
Sincro SK225LM alternator	Transfer switch with ATS controller
Digital 3 phase AVR	GPRS communication card
GCB Schneider NSX 250 3P + Mic.2.2	Ethernet card
GCB shunt release coil	RS 485, RS 232 card
Controller AMF25	Remote display
Controller switch	Drip space level sensor
Acoustic alarm	Non-standard fuel tank size*
Emergency stop button	External fuel tank 1 000 – 10 000 l
Silenced canopy made with Al.-Zn.	Fuel tank filling pump and shut-off valve
Standard color RAL 7032	Battery disconnection switch
Frame with fuel tank and drip tray	Transfer switch with ATS controller
Fuel inlet outside of the canopy with lock	Nonstandard canopy color
Fuel level measurement	
Exhaust compensator and silencer	
Engine and alternator vibro isolators	
Transportation brackets	*according to individual agreement

INSTALLATION GUIDELINES

Power terminal	GCB terminal
Recommended cable for up to 30m power cable way	Flexible 5x95mm ²
Recommended cable for do 30m generator heater supply	Flexible 3x2,5mm ²
*For additional cable connection with ATS see ATS wiring diagram	
Exhaust pipe min diameter (max. 7 m, 4 bends)	101,6 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

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