

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-17824	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.
Prime power P.R.P. [kVA] / [kW]	350,0 / 280,0	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 200 operation hours per year. Max mean load factor of 70% of rated power over 24h of operation
Prime current P.R.P [A]	505,0	Remark:	Ratings represent the genset performance capabilities to standard conditions specified in ISO 8528-1
Frequency [Hz]	50	Norms and directives:	<ul style="list-style-type: none"> <input type="checkbox"/> Machinery directive 2006/42/WE <input type="checkbox"/> Low voltage directive 2014/35/WE <input type="checkbox"/> EMC directive 2014/30/WE <input type="checkbox"/> Noise directive 2000/14/WE <input type="checkbox"/> Emission directive 97/68/WE <input type="checkbox"/> ISO 8528-1/2005, ISO 8528-5/2013 <input type="checkbox"/> PN-EN 12601 <input type="checkbox"/> PN-EN 60204-1
Voltage [V]	400		
Exhaust emission	stage IIIA		
Fuel type	Diesel (EN 590)		
Fuel consumption - 50% load [l/h]	39,5		
- 75% load [l/h]	57,4		
- 100% load [l/h]	75,8		
- 110% load [l/h]			
Standard fuel tank capacity [l]	990		
Autonomy with 100% load [h]	13,1		
Engine control voltage [V]	24		
Weight without fuel [kg]	~4570		
Dimensions L x W x H [mm]	4560 x 1961 x 2521		
Guaranteed noise power Lwa [dBA]			
Acoustic pressure Lpa (dla 7m) [dBA]			

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	Scania	Brand	Sincro*
Type	DC13 071A 02-01	Type	SK315SS
Made in	Sweden	Made in	Croatia
Engine power [kW]	315,0	Power (40 °C, 1000m a.m.s.l.) [kVA]	350,0
Emission standard*	stage IIIA	Power (27 °C, 1000m a.m.s.l) [kVA]	382,0
Rotation per minute [rpm]	1500	Efficiency [%]	92,9
Engine governor	electronic	Voltage regulator type	DVR, digital
Governor class**	G3	Voltage accuracy [%]	+/- 0,25
Displacement [l]	12,7	IP protection	IP 23
No of cylinder	6	Insulation class	H
Fuel system	unit injectors, PDE	Total harmonic content THD [%]	< 2
Electrical system [V]	24	Reactance Xd'' [%]	16,5
Cooling system capacity [l]	39,0		
Oil pan capacity [l]	36,0		
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

Scania DC13 071A 02-01 engine	Battery disconnection switch
Electronic engine speed governor	Alternator with PMG
Oil low pressure switch	4 pole GCB Schneider NSX Micrologic 2.3
Oil pressure sensor	Full power socket
Engine high temperature switch	Power Lock type power output
Engine high temperature sensor	Power socket box*
Engine preheating with thermostat	Transfer switch controlled by generator controller
Engine oil Shell Rimula R4L	Transfer switch with ATS controller
Oil draining hand pump	GPRS communication card
Fuel filter with water separator	Ethernet card
Coolant Anti Freeze	RS 485, RS 232 card
Coolant inlet outside of the canopy	Remote display
Starting batteries 2x180Ah	Drip space level sensor
Battery charger	Fuel and retention pump
Sincro SK315SS alternator	Non-standard fuel tank size*
Digital 3 phase AVR	External fuel tank 1 000 – 10 000 l
GCB Schneider NSX 630 3P + Mic.2.3	Fuel tank filling pump and shut-off valve
GCB shunt release coil	Non-standard canopy color
Controller IL-NT-AMF25	
Controller switch	
Acoustic alarm	
Emergency stop button	*according to individual agreement
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	GCB terminal
Recommended cable for up to 30m power cable way	Flexible 2x5x120mm 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)	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