



Image shown may not reflect actual package

DPX-21010

The enclosure is designed to guarantee 55db(A) at 7 meters in a free field, and optimum performance in all conditions. Fully designed on modular principles, the enclosure permits an easy on-site repair, thanks to the easy interchangeable panels.

The enclosure, fully made of cold galvanized steel sheet, fixed with steel bolts and rivets. The absence of welding in all the components of the enclosure and the high resistance epoxy powder painting, allowing extreme durability, robustness and high resistance to corrosion over time, even outdoors.

The low noise emission level, in compliance with the European Community Directive 2005/88/CE, thanks to the continuous investment in research, and the development by our specialized engineers.

The enclosure is fully weatherproof and incorporates the full exhaust silencing system internally.

About the Security and Safety, the genset incorporates a control panel observed through a large viewing window in the lockable enclosure door, an Emergency stop push button mounted on enclosure exterior above the control panel, and all the electrical components fully guarded.

All the insulation material used, is made with sound absorbing materials with Euroclass A1 fire resistance certificate.

Standard reference conditions: temperature 25°C, altitude 100m asl, relative humidity 30%, atmospheric pressure 100 kPa (1 bar), power factor 0.8 lag, balanced load - non distortional. Fuel consumption is nominal and refers to diesel specific weight 0,850kg/l and conforming to BS2869, Class A2. Sound power values refer to free field conditions: the installation site may influence the values. Dimensions, weights and other specifications contained in the technical data sheet and related attachments are nominal, subject to tolerances and refer to the model with standard equipment; any optional and additional equipment/accessories can modify weight, dimensions, performance.

General Information

Automatic Diesel Generator set

Voltage / Frequency	r.p.m.	PRP (Prime Power)*	LTP (Standby)*
230/400V – 50Hz	1500	500kVA	550kVA
/	1800	/	/

*Ratings at 0.8 power factor

Weights: kg

Net (only generator)	13.000 appr.
Wet (+ lube oil & coolant)	/
Fuel, lube oil & coolant	/

Dimension: mm

Canopy Model	Super Silent
Length	6050
Width	2438
Height	2591
Tank	2500 L

Engine Information		
Engine Brand	SCANIA	
Engine Model	DC16 320A 02/62	
Cylinders	90° V8	
Speed	1500	R.p.m.
Displacement	16.4	L
Air Intake	TC	
Standard Voltage	24	V
Cooling	LIQUID	
Flywheel P.R.P. Power, in accordance with ISO3046	/	
Fuel Cons. at 100% (L.T.P.)	/	g/kWh
Fuel Cons. at 100% (P.R.P.)	196	g/kWh
Fuel Cons. at 75% (P.R.P.)	197	g/kWh
Fuel Cons. at 50% (P.R.P.)	198	g/kWh
Fuel Cons. at 25% (P.R.P.)	/	g/kWh
Engine Speed Regulator	ELECTRONIC	
Fuel Type, in accordance with BS 2869/1970		
Governing Class	ISO 8528	
Emission Class	STAGE V	



Definitions

P.R.P.

Prime Power is available for an unlimited number of annual operating hours in variable load applications, in accordance with ISO 8528-1. A 10% overload capability is available for a period of 1 hour within 12-hour period of operation, in accordance with ISO 3046-1

L.T.P.

The standby power rating is applicable for supplying emergency power in variable load applications in accordance with ISO 8528-1. Overload is not allowed.

Standard on the engine

- **Air inlet**
 - Mounted air filters and turbocharger
- **Fuel system**
 - Direct fuel injection system with fuel lift pump
 - Governing to ISO 8528-5 class G3 with isochronous capability
 - Full-flow spin-on filters
- **Lubrication system**
 - Wet full aluminium sump with filler and dipstick
 - Full flow spin-on oil filters
- **Cooling system**
 - Two twin thermostats
 - System designed for ambient temperatures of up to 50°C
- **Electrical equipment**
 - 24V starter motor and 24V alternator with integral regulator and DC output
 - Turbine inlet temperature protection
 - Twin high coolant temperature protection switch



- Twin low oil pressure protection switch
- **Flywheel and housing**
 - Flywheel to SAE J620 Size 18
 - SAE 0 flywheel housing
- **Optional equipment**
 - 4 metre wiring harness
 - Secondary electric start
 - Immersion heater
 - Single exhaust outlet pipe
 - Exhaust counter flanges
 - Temperate radiator kit
 - 21" flywheel

Alternator Information

Alternator Brand	Leading brand according to availability	
Alternator Model	/	
P.R.P. Power	500	kVA
Phase	3 PHASE	
Insulation Class	H	
IP Protection	23	
Pole	4	
Power Factor	0,8	cosfi

Definitions

Continuous rating 40°C – IEC 60034-1

Running at constant load limited to the insulation class; permissible overload 1 hour in 12.

Standby rating 40°C

Running at constant load **without** over load, for a limited duration of maximum 500h/year, with a permissible increase of the temperature rise above class H.

Standby rating 27°C

Same conditions than standby duty 40°C but with acceptance of a lower ambient temperature (27°C) that allows to increase the rating and the temperature rise for the same level of temperature in the alternator.

General Features

Compliance with internationally recognized standard

All the range and brand of the alternator that we use on our generator complies with international standards and regulations: IEC 60034 and derivative.

All the range and brand of the alternator that we use on ur generator are designed, manufactured and marketed in an ISO 9001 and ISO 14001 enviroment.

Electrical features

- **Frequency**

All the alternator used in our generator may operate either 50 or 60 Hz.

- **Power factor P.F.**

All the alternator used in our generator are designed to operate between 0.8 and 1 power factor.

- **Waveform**

Total harmonic distorsion (THD), at no load or linear load is less than 5% according to IEC.

TIF/Telephone influence factor according to NEMA is less than 50.

- **Transient features**

Transient voltage dip for rated step load at 0.8 power factor is less than 18%.

Recovery time for a 20% transient voltage dip is less than 0.5s.

- **Overload acceptance**

All the alternator used in our generator can be overloaded according to NEMA.

- **EMI suppression**

All the alternator used in our generator are provided with an EMI suppression device in accordance with EN 55011.

- **Radio Interference**

All the alternator used are in accordance to EN61000-6-3 and EN61000-6-2.



Mechanical features

- **Enclosure**

Standard enclosure is IP23.

- **Balancing**

All the rotors are dynamically balanced according to ISO 1940 and NFC 51-111.

- **Overspeed**

The maximum overspeed is 2250 min.

- **Insulation and protection**

All the alternators used in our generators are class H insulated. The standard winding protection can accept up to 95% relative humidity.

- **Mechanical structure**

Steel frame. Aluminium, cast iron or steel housing and flanges depending on the model.

AMF Information

AMF Brand	Comap	
AMF Model	InteliLite AMF25	
Product description	<ul style="list-style-type: none"> • Single gen-set controller for Stand-by and Primepower applications • Direct communication with EFI engines • Total remote monitoring and control • Easy to install, configure and use • Wide range of communication capabilities including: <ul style="list-style-type: none"> • connection via RS232, RS485, CAN and on board USB • internet access using Ethernet, GPRS or 4G • support for Modbus and SNMP protocols • Internal PLC support with PLC editor and monitor included in LiteEdit • Cloud-based monitoring and control via WebSupervisor • Active SMS and emails in different languages • SNMP traps • Geofencing and tracking via WebSupervisor • 2x 10 A binary outputs for cranking and fuel solenoid • Option for up to 16 additional binary inputs/outputs • Flexible event based history with up to 350 events • Load shedding, dummy load capability • Tier 4 final support • Automatic temperature based cooling/heating • Comprehensive gen-set protections • Multipurpose flexible timers • True RMS measurement <p>Available also in low temperature (LT) version</p>	

General Features

Ambient conditions

- Operating temperature: -30 to +70°C
- Storage temperature: -30 to +80°C
- Relative humidity: <80% (IEC/EN 60068-2-78)
- Maximum pollution degree: 2
- Overvoltage category: 3
- Measurement category: III
- Climatic sequence: Z/ABDM (IEC/EN 60068-2-61)
- Shock resistance: 15g (IEC/EN 60068-2-27)
- Vibration resistance: 0.7g (IEC/EN 60068-2-6)

Housing

- Version: Flush mount
- Material: Polycarbonate
- Degree of protection: IP65 on front, IP 20 terminals

Certifications and compliance

- Certifications obtained: cULus, EAC
- UL Marking:
 - Use 60°C/75°C copper (CU) conductor only
 - AWG Range: 24 - 12 AWG stranded or solid
 - Field Wiring Terminals Tightening Torque: 5lb.in
- Comply with standards: IEC/EN 61010-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, UL508, CSA C22.2 N°14