

MAIN FEATURES

Silenced, weather proof canopy, made of steel with AL Zn anticorrosion coating	Welded frame with fuel tank and drip tray, protecting environment from leakage of the fluid.
Limited number of screws outside the canopy.	Wide range of fuel tank capacities available.
Electrical box protected by genset canopy, with controller display.	Easy maintenance access to major components.
Cable entry protected by rubber cover.	Anchoring points covered by external covers.
Power socket available outside of the canopy.	Crane or pallet truck lifting.
High quality noise insulation materials.	High quality mufflers for exhaust system.



GENERAL DATA

Model	DPX-17553
Standby power E.S.P. [kVA] / [kW]	136,0 / 109,0
Prime power P.R.P. [kVA] / [kW]	124,0 / 99,0
Prime current P.R.P [A]	179,0
Frequency [Hz]	50
Voltage [V]	400
Exhaust emission	non-emission
Fuel type	Diesel (EN 590)
Fuel consumption - 50% load [l/h]	14,4
- 75% load [l/h]	20,2
- 100% load [l/h]	27,6
- 110% load [l/h]	30,4
Standard fuel tank capacity [l]	300
Autonomy with 100% load [h]	10,9
Engine control voltage [V]	12
Weight without fuel [kg]	1560
Dimensions L x W x H [mm]	2900 x 1142 x 1810
Guaranteed noise power Lwa [dBA]	97
Acoustic pressure Lpa (dla 7m) [dBA]	67,8 ± 2,4

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 1 hour within a 12h period of operation. Average power consumption should not exceed 80% 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 200h of operation per year, max average power consumption 70% of ESP.

Remark:

All parameters are given for reference conditions: ambient air temperature up to 40 C and site altitude above sea level 1000m

Norms and directives:

- Machinery directive 2006/42/WE
- Low voltage directive 2006/95/WE
- EC directive 2004/108/WE
- Noise directive 2000/14/WE
- Emission directive 97/68/WE
- ISO 8528-1/2005, PN-ISO 8528-5/2005
- 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

ALTERNATOR

ENGINE		ALTERNATOR	
Brand	Iveco	Brand	Sincro*
Type	NEF45TM3	Type	SK225LS
Made in	Italy	Made in	Croatia
Engine power [kW]	107,2	Power (40 °C, 1000m a.m.s.l.) [kVA]	125,0
Emission standard*	non-emission	Power (27 °C, 1000m a.m.s.l) [kVA]	138,0
Rotation per minute [rpm]	1500	Efficiency [%]	92,3
Engine governor	mechanical	Voltage regulator type	Digital AVR
Governor class**	G2	Voltage accuracy [%]	+/- 0,5
Displacement [l]	4,5	IP protection	IP 23
No of cylinder	4	Insulation class	H
Fuel system	direct injection	Total harmonic content THD [%]	< 2,5
Electrical system [V]	12	Reactance Xd'' [%]	10,6
Cooling system capacity [l]	18,5		
Oil pan capacity [l]	12,8		
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

Iveco NEF45TM3 engines

Oil low pressure switch

Engine high temperature switch

Engine preheating with thermostat

Engine oil Shell Rimula R4L

Fuel filter with water separator

Coolant Anti Freeze

Coolant inlet outside of the canopy

Starting batteries 100 Ah

Battery charger

Sincro SK225LS alternators

Digital 3 phase AVR

Analog AVR

GCB Schneider NSX 250 3P + Mic.2.2

GCB undervoltage release coil

Controller AMF25

Controller switch

Acoustic alarm

Emergency stop button

Silenced canopy made with Al.-Zn.

Standard color RAL 7032

Frame with fuel tank and drip tray

Fuel inlet outside of the canopy with lock

Fuel level measurement

Exhaust compensator and silencer

Engine and alternator vibro isolators

Transportation brackets

Electronic engine speed governor

Oil pressure sensor

Engine temperature sensor

Oil draining hand pump

Alternator with PMG

Fuel and retention pump

Drip space level sensor

External fuel tank 1 000 – 10 000 l

Fuel tank filling pump and shut-off valve

Battery disconnection switch

Transfer switch with ATS controller

GPRS communication card

Ethernet card

RS 485, RS 232 card

Remote display

Nonstandard canopy color

INSTALLATION GUIDELINES

Power terminal	GCB terminal
Recommended cable for up to 30m power cable way	Flexible elastyczny 5x50mm ²
Recommended cable for do 30m generator heater supply	Flexible elastyczny 3x2,5mm ²
*For additional cable connection with 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)	101,6 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