

MAIN FEATURES

AL-Zn coated metal canopy	Welded frame with drip tray,
Limited number of screws outside the canopy	Fuel tank separated from the frame
Electrical box protected by genset canopy, with controller display	Key locked fuel inlet outside of the canopy.
Easy maintenance access to major components	Anchoring points covered by external covers
High quality noise insulation materials	High quality mufflers for exhaust system



GENERAL DATA

Model	DPX-17556
Standby power E.S.P. [kVA] / [kW]	220,0 / 176,0
Prime power P.R.P. [kVA] / [kW]	200,0 / 160,0
Prime current P.R.P [A]	289,0
Frequency [Hz]	50
Voltage [V]	400
Exhaust emission	non-emission
Fuel type	Diesel (EN 590)
Fuel consumption - 50% load [l/h]	22,0
- 75% load [l/h]	31,4
- 100% load [l/h]	41,2
- 110% load [l/h]	48,1
Standard fuel tank capacity [l]	390
Autonomy with 100% load [h]	9,5
Weight without fuel [kg]	2220
Dimensions L x W x H [mm]	3573 x 1190 x 1945
Guaranteed noise power Lwa [dBA]	97
Acoustic pressure Lpa (dla 7m) [dBA]	68,1 ± 2

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 12-hour 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 200 operation hours 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

CONTROLLER STANDARD

Controller type: IL-NT AMF25
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	Iveco
Type	NEF67TM7
Made in	Italy
Engine power [kW]	176,5
Emission standard*	non-emission
Rotation per minute [rpm]	1500
Engine governor	mechanical
Governor class**	G2
Displacement [l]	6,7
No of cylinder	6
Fuel system	direct injection
Electrical system [V]	12
Coolant	Shell Anti Freeze
Cooling system capacity [l]	25,5
Engine oil	Shell Rimula R4L
Oil pan capacity [l]	17,2
Fuel type	Diesel (EN 590)
Fuel consumption at 75% load [l/h]	31,4
Fuel consumption at 100% load [l/h]	41,2

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

** According PN-ISO 8528-5/2005

ALTERNATOR

Brand	Sincro
Type	SK250MM
Made in	Croatia
Power (40 °C, 1000m a.m.s.l.) [kVA]	200,0
Stand by power (27 °C, 1000m a.m.s.l.) [kVA]	218,0
Efficiency [%]	92,1
Voltage regulator type	Analog AVR
Voltage accuracy [%]	+/- 1
IP protection	IP 23
Insulation class	H
Total harmonic content THD [%]	< 2,0
Reactance Xd'' [%]	10,2

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

STANDARD EQUIPMENT
OPTIONAL EQUIPMENT

Controller ComAp AMF25	Alternator with PMG
Controller switch	4 Pole GCB Schneider NSX Micrologic 2.3
3 Pole GCB Eaton LZMN3-VE400	Oil pressure sensor
Shunt GCB release coil	Engine temperature sensor
Digital voltage reg. 3 phase sensing, acc. $\pm 0,25\%$	Oil draining hand pump
Acoustic alarm	Fuel and retention pump
Emergency stop button	Electronic engine speed governor
Starting batteries 2 x 100 Ah	Drip space level sensor
Battery charger	External fuel tank 1 000 – 10 000 l
Engine preheating with thermostat	Fuel tank filling pump and shut-off valve
Engine oil Shell Rimula R4L	Battery disconnection switch
Oil low pressure switch	Power output – power lock type
Engine high temperature switch	Power socket box with appropriate protections *
Frame with drip tray	Transfer switch controlled by generator controller
Fuel inlet outside of the canopy with lock	ATS with ATS controller
Fuel level measurement	GPRS communication modem
Fuel filter with water separator	Ethernet card
Exhaust compensator and silencer	RS 485, RS 232 card
Coolant Shell Anti Freeze	Remote display
Coolant inlet outside of the canopy	
Engine and alternator vibro isolators	
Silenced canopy made with Al-Zn	*according to individual agreement
Standard color RAL 7032	
Transportation brackets	

INSTALLATION GUIDELINES

Power terminal	GCB terminal
Recommended cable for up to 30m power cable way	flexible 5x150mm 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