Iveco 82 kVA

MAIN FEATURES

Limited number of screws outside the canopy	Welded frame with integrated 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	Possibility of increased protection against fuel leakage – fuel tank separated from the frame
Cable entry protected by rubber cover	Key locked fuel inlet outside of the canopy. Optionally fuel inlet inside
Power socket available outside of the canopy	Anchoring points covered by external covers
Easy maintenance access to major components	Crane or pallet truck lifting
High quality noise insulation materials	High quality mufflers for exhaust system

GENERAL DATA

Model	DPX17551
Standby power L.T.P. [kVA]	82,0
Standby power L.T.P. [kW]	65,0
Prime power P.R.P. [kVA]	74,0
Prime power P.R.P. [kW]	59,0
Prime current P.R.P [A]	107,0
Frequency [Hz]	50
Voltage [V]	400
Exhaust emission	stage II
Fuel type	Diesel (EN 590)
Fuel consumption - 50% load [l/h]	8,6
- 75% load [l/h]	12,0
- 100% load [l/h]	17,1
- 110% load [l/h]	19,0
Standard fuel tank capacity [l]	150
Autonomy with 100% load [h]	8,8
Weight without fuel [kg]	1210
Dimensions L x W x H [mm]	2453 x 1088 x 1525
Guaranteed noise power Lwa [dBA]	97
Acoustic pressure Lpa (dla 7m) [dBA]	68 ± 1,9

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

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STANDARD CONTROLLER

- Controller type: 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	NEF45SM2
Made in	Italy
Engine power [kW]	66,0
Emission standard*	stage II
Rotation per minute [rpm]	1500
Engine governor	mechanical
Governor class**	G2
Displacement [l]	4,5
No of cylinder	4
Fuel system	direct injection
Electrical system [V]	12
Coolant	Shell Anti Freeze
Cooling system capacity [l]	18,5
Engine oil	Shell Rimula R4L
Oil pan capacity [l]	12,8
Fuel type	Diesel (EN 590)
Fuel consumption at 75% load [l/h]	12,0
Fuel consumption at 100% load [l/h]	17,1

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

** According PN-ISO 8528-5/2005

ALTERNATOR

Brand	Sincro*
Type	SK225MS
Made in	Croatia
Power (40 ºC, 1000m a.m.s.l.) [kVA]	80,0
Stand by power (27 ºC, 1000m a.m.s.l) [kVA]	88,0
Efficiency [%]	90,1
Voltage regulator type	Analog AVR
Voltage accuracy [%]	+/- 1
IP protection	IP 23
Insulation class	H
Total harmonic content THD [%]	< 2,5
Reactance Xd'' [%]	11,4

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

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STANDARD EQUIPMENT	OPTIONAL EQUIPMENT
Controller ComAp AMF25	Digital voltage reg. 3 phase sensing, accuracy ±0,25%
Controller switch	Alternator with PMG
3 Pole GCB Eaton LZMC2-VE160	4 Pole GCB Schneider NSX Micrologic 2.3
Shunt GCB release coil	Oil draining hand pump
Acoustic alarm	Fuel and retention pump
Emergency stop button	Electronic engine speed governor
Starting batteries 100 Ah	Oil pressure sensor
Battery charger	Engine high temperature sensor
Engine preheating with thermostat	Drip space level sensor
Engine oil Shell Rimula R4L	Dedicated (non-standard) fuel tank *
Oil low pressure switch	External fuel tank 1 000 – 10 000 l
Engine high temperature switch	Fuel tank filling pump and shut-off valve
Fuel tank integrated in frame with drip tray	Battery disconnection switch
Frame with fuel tank	Socket for full power output
Fuel inlet outside of the canopy with lock	Power output – power lock type
Fuel level measurement	Power socket box with appropriate protections *
Fuel filter with water separator	Transfer switch controlled by generator controller
Exhaust compensator and silencer	ATS with ATS controller
Coolant Shell Anti Freeze	GPRS communication modem
Coolant inlet outside of the canopy	Ethernet card
Engine and alternator vibro isolators	RS 485, RS 232 card
Silenced canopy made with Al-Zn	Remote display
Standard color RAL 7032	Certified trailer with straight bar
Transportation brackets	
	*according to individual agreement

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INSTALLATION GUIDELINES

Power terminal	GCB terminal
Recommended cable for up to 30m power cable way	flexible 5x35mm2
Recommended cable for do 30m generator heater supply	flexible 3x2,5mm2
*For additional cable connection with FOGO 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)	88,9 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

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