

Parameter	Value
General parameters	
Climatic execution	-10°C to +55°C
Humidity	10-100%
Color	white / Code no – RAL 9010
Language	English
Comply to standards	ISO 6858, ISO 9001, ISO 14001, ISO 45001, SAE APR 5015, AHM 10, AHM 905, AHM 904, AHM 913, AHM 915, AHM 972, MIL-STD-704
Canopy	easy cleaning material for panels
Noise level	according to international standards
Forklift pockets	yes
Execution	mobile, towing type, trolley mounted for outdoor use
Trolley	solid robust cart, made of galvanized steel, intended for heavy duty and capable to carry extra load
Steering	turning table (fifth wheel) front steering system
Wheels	tubeless
Beacon light	flashing beacon at the roof (amber)
Battery	12V, 100AH
Grounding	yes
Body and chassis	anticorrosive coat
Clearance, mm	180
Parking brakes	yes, towbar in upright position
Cable trays	yes, on the sides of the unit
Output and input filters against electromagnetic disturbance	yes
Simultaneous work of all outputs	yes
Dimensions LxWxH, mm	3200x1650x1676
Weight, less than kg	2700
Warranty	24 months
Error log (USB adapter)	up to 100 events
Diesel generator unit	
Engine type	direct injection, turbo charge
Engine	Perkins/Deutz
Starting system	electric starter
Cooling system	liquid, closed
Engine speed, RPM	1500
Fuel	diesel
Fuel tank capacity, l	for 10 hours of continuous work
First maintenance of DG and engine	1 year or 500 hours, whichever comes first
Protection	
Converter block: Overheating protection; Protection of over/under voltage at in/output; Overload protection; Over/under frequency protection; Protection of short circuit at input and output	
Engine section: Automatic shutdown for: Low oil pressure, High coolant temperature, Engine over speed	
Emergency stop button	stops the entire system, including the engine
Master switch	switches the main power

Anti-towing safety	does not allow the unit to move when still connected to the aircraft
Failure and warning indicators	low fuel, engine fault, POWER, Interlock
Accident move protection	The function prevents the unit from moving while the plug is not in the its transportation socket.
Display	
Main control panel: Alarms and faults; Signal of engine fault; Lighting alarm system, luminescent display (current, frequency, start/stop, settings and controls, error log), regulation buttons	
Control panel for the Diesel Generator Set: Engine speed; Fuel gauge, Engine temperature; Oil pressure	
AC Output parameters	
Number of outputs	2
Total output power, kVA	180 (dual output, 90 kVA each)
Rated output voltage, VAC	115/200
Range of load changes, %	0-100
Total harmonic distortion, not worse, %	3
Output frequency, Hz	400 ±0.01
Power factor	>0.8 at 100% load
Coefficient of efficiency, %	97
Coefficient of amplitude modulation of the output voltage, % not more	1,5
Line drop compensation	automatic / regulated
Interlock	ON/OFF, MIL/CIV
Output cable, m	10, cable with weather proof 6-pin power socket with caps for each output
Overload rating	600 sec. - 110%, 60 sec. – 125%
Documentation	
Three sets (two hard copies and one soft copy) of Operation, maintenance and spare parts manuals in English; Engine, Generator/electric and rest of the parts manuals; Passport of Equipment, Warranty Certificate; two sets of electrical schematic diagram (A3 laminated); 10 year spare parts availability guarantee	
Additional items	
Spare wheel	1 pcs.
Essential spare parts	for 1 year, described in a spare part list provided
Removable/rechargeable type fire extinguisher	1 pc.



