

## Features / Benefits

- ✓ Model available in open skid and soundproofed with galvanized rust proofed canopy
- ✓ Designed, engineered and manufactured for an optimal performance
- ✓ External access to control and power panel
- ✓ Easy operation, maintenance and power panel
- ✓ Ukrainian, English, Russian language choice



GENSET MODEL		RP-R110	
Group	Stand by	<i>kVA</i>	110
		<i>kW</i>	88
	Prime	<i>kVA</i>	100
		<i>kW</i>	80
Diesel Engine	Brand	Ricardo	
	Model	6105AZLD	
	Type	Diesel	
	Power Prime/1500 rpm	110 kWm	
	Cylinder Volume	6.75 lt.	
	No. Of Cylinder / Type	6 / Line	
	Aspiration	Turbo	
	Cooling Type	Water	
	Rpm.	1500	
	Bore and Stroke (mm)	105 / 125	
	Governor Class	Mechanic	
	Coolant capacity	22 lt.	
	Oil capacity	18 lt.	
	Oil Consmp. (%fuel cons.)	0,1	
Alternator	Brand	RostPower	
	Model	RP-110	
	Output Voltage	400/230 V	
	Frequency	50 Hz.	
	Automatic Voltage Reg.	±%0,5	
	ATS	100 A	



### Prime Rating

Electrical power data available at a variable load without limits of hours per year. An overload of 10% is allowed for 1 hour of every 12 hours. In accordance with ISO 8528/1 (2005) - PRP.

### Stand by rating

Electrical power data available at a variable load in an emergency in accordance with standards ISO 8528/1 (2005) - ESP. Overloads of emergency power are not allowed.

### Standard reference conditions

25 C, 100 kPa and 30 % relative humidity.

Fuel Consumption Table (lt./h.)	
Load Level	Consumption
80%	22,13
100%	28,45



## Alternator

- ✓ Four pole alternator
- ✓ Lifetime lasting greased bearing
- ✓ H class insulation
- ✓ Brushless
- ✓ 2/3 pitch
- ✓ AVR
- ✓ Incorporates electromagnetic emission suppressor in accordance with CE legislation
- ✓ Joining of engine and alternator through flexible disc coupling

## Low wave distortion

- ✓ THD < 4 %
- ✓ THF (IEC) < 2 %
- ✓ TIF (NEMA) < 50

MODEL	RP-110
Manufacturer	RostPower
Voltage (V)	400/230
Frequency	50 Hz
Alternator Power (kVA)	110
Power ratings	(SB27)
Number of wires	12
Winding	6
IP alternator	IP 23
Excitation system	SHUNT
AVR Model	SX440
Voltage Regulation	-0,005
Performance at 75 % p.f. 0,8 (%)	95

## Regulations

The generator set has a CE Marketing that includes the following directives:

- ✓ 2006/42/EC Machinery Safety
- ✓ 2006/95/EC Low voltage
- ✓ 2004/108/EC Electromagnetic compatibility
- ✓ 2000/14/EC Noise emission of machines outdoors in soundproof generator sets

## Control Panel

- ✓ True RMS measurements
- ✓ ECU connection through J1939 CAN option
- ✓ J1939 ECU warnings displayed as text
- ✓ MPU input option
- ✓ Dual genset mutual standby operation
- ✓ Event logging with time stamp and measurements
- ✓ Battery backed-up real time clock
- ✓ Built in daily / weekly / monthly exerciser
- ✓ Weekly operation schedule programs
- ✓ Field adjustable parameters
- ✓ RS-232 serial port
- ✓ Free MS-Windows Remote monitoring SW
- ✓ GSM and PSTN modem support
- ✓ GSM SMS message sending on fault
- ✓ MODBUS communications
- ✓ Multiple language support

- ✓ 16 Amp contactor outputs
- ✓ 1 Amp DC semiconductor outputs
- ✓ Configurable analogue inputs: 4
- ✓ Configurable digital inputs: 7
- ✓ Configurable digital outputs: 2
- ✓ Total digital outputs: 6
- ✓ I/O expansion capability
- ✓ Plug-in connection system
- ✓ The unit records last 100 events with date-time stamp total of 18 measured parameters.



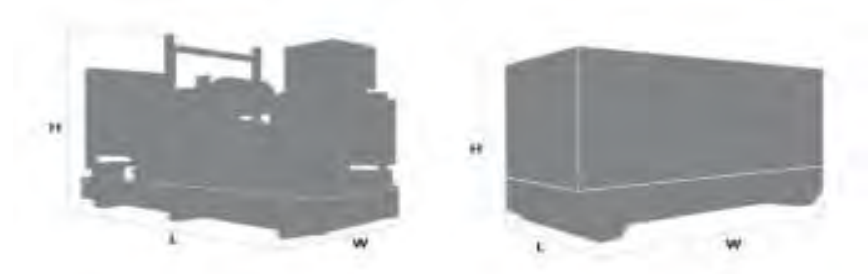
## Electric Panel

Grounding system TN quick change and emergency shutdown pushbutton.

<b>Genset Circuit breaker</b>	3P 500A *Optional	<b>Voltage</b>	230/400V
<b>Battery electronic breaker</b>	DATAKOMSMPS245 24V 5A	<b>Frequency</b>	50 Hz

## Dimensions

Length (with canopy) cm	220 (300)
Width (with canopy) cm	110 (110)
Height (with canopy) cm	170 (180)
Weight (with canopy) kg.	1450 (1970)



## Optional

### Mechanical

- ✓ Galvanised Retention Bund (For soundproofed Units)
- ✓ Electronic Governor
- ✓ Integrated Retention Bund in baseframe
- ✓ High Performance Fuel filter water Separator
- ✓ High range alternator
- ✓ Huge fuel tanks regarding special orders
- ✓ Synchronisation Systems
- ✓ Auxiliary Double Walled Fuel Tanks
- ✓ Connection to external fuel tank
- ✓ Automatic Fuel Systems
- ✓ Mounts-Shock Absorbers
- ✓ Earth Leakage Protection

### Control panel

- ✓ Datakom D500
- ✓ Datakom D700
- ✓ ComAp AMF9
- ✓ ComAp AMF25
- ✓ SMPS 2410 24V 10A

### Trailer - Genset Trailer

Our trailers are produced as single-axle, two-axle and four-axle types for heavy and light tonnage capacities and absolutely appropriate to vehicle regulations.

### Engine

- ✓ Electronic Governor
- ✓ Fuel, oil and air filter heaters
- ✓ Residential Exhaust -35 dB(A) (Open)
- ✓ Electrical or mechanical Oil Sump Pump
- ✓ 60 Hz.

### Alternator

- ✓ Alternator excitation type: AREP, PMI or PMG
- ✓ Anti-condensation heaters
- ✓ Protection System 2 or 4
- ✓ Special AVR

### AMF Synchronizing control panel

- ✓ Datakom D700
- ✓ Woodward Easygen 3200