

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-R50	
Group	Stand by	<i>kVA</i>	50
		<i>kW</i>	40
	Prime	<i>kVA</i>	45
		<i>kW</i>	35
Diesel Engine	Brand	Ricardo	
	Model	K4102ZD	
	Type	Diesel	
	Power Prime/1500 rpm	56 kWm	
	Cylinder Volume	3.76 lt.	
	No. Of Cylinder / Type	4 / Line	
	Aspiration	Turbo	
	Cooling Type	Water	
	Rpm.	1500	
	Bore and Stroke (mm)	102 / 115	
	Governor Class	Mechanic	
	Coolant capacity	14.5 lt.	
	Oil capacity	14 lt.	
	Oil Consmp. (%fuel cons.)	0,1	
Alternator	Brand	RostPower	
	Model	RP-50	
	Output Voltage	400/230 V	
	Frequency	50 Hz.	
	Automatic Voltage Reg.	±%0,5	
	ATS	85A	

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%	11,03
100%	13,96



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-50
Manufacturer	RostPower
Voltage (V)	400/230
Frequency	50 Hz
Alternator Power (kVA)	50
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.

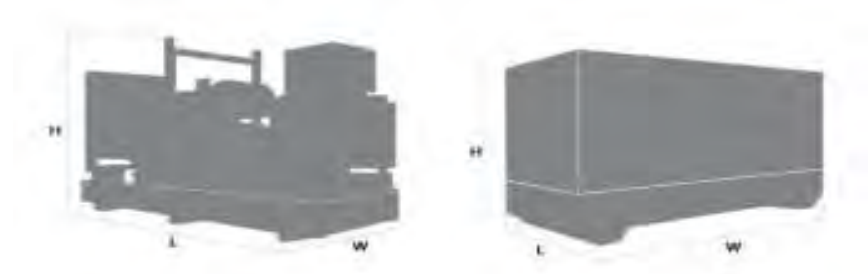
Genset Circuit breaker	3P 500A *Optional	Voltage	230/400V
Battery electronic breaker	DATAKOMSMPS245 24V 5A	Frequency	50 Hz

Please contact your local ROSTPOWER dealer for more information and visit us at www.rostpower.com

ROSTPOWER
Diesel Generator Sets

Dimensions

Length (with canopy) cm	170 (225)
Width (with canopy) cm	95 (95)
Height (with canopy) cm	160 (170)
Weight (with canopy) kg.	800 (1100)



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