

Generating Rates		PRIME	STANDBY	
Power	kVA	45	50	
Power	kW	36	40	
Current	(cos Phi=0,8) A	65	72	
Standard Voltage	V	400/230		
Revolution Per Minute	r.p.m.	1500		
Rated at power factor	Cos Phi	0,8		

- Standard Features
- 4 Stroke, 1500 RPM, water cooled heavy duty diesel engine
- Protection system on manuel run
- Flexible oil pipes and oil draining valve
- Pre-heater
- Lubrication oil and anti-freeze
- 4 Poles, synchrontype, single bearing, brushless alternator
- Batteries and cables
- Electrostatic paint coated, steel, welded chassis
- Fuel tank housed in the chassis
- Industrial type silencer
- Electronic battery charger
- Electrical wiring diagram
- User manual and operating manual

- Optional Equipments
- Soundproof canopy
- Automatic transfer switch
- Circuit breaker
- Trailer
- External fuel tank
- Heating system for fuel tank
- Oil heater
- Fuel filling system (Automatic / Manuel)
- Analog indicators
- 1 Phase 3 Phase switch plugs
- Alarm system for fuel level
- Remote control and monitoring

**Stand By Power** : Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

**Prime Power** : Supplying of electrical power at variable load for an unlimited number of hours in the event of normal utility power failure. 10% over load capability is available.



Model: KJP 50 Powered by PERKINS

Diesel Generator

Engine Specifications					
Brand		PERKINS			
Model		1103A-33TG1			
Engine Power Stand BY	(kWm / hp)	46,5/61,2			
Revolution Per Minute	(r.p.m.)	1500			
Total Displacement	(L)	3.3			
Cylinders Orientation		3 SINGLE LINE			
Bore x Stroke	(mm x mm)	105 x 127			
Compression Orientation		17,25:1			
Governor Type		MECHANIC			
Aspiration System		TURBO CHARGE			
Injection		DIRECT			
Cooling		WATER COOLED			
Electrical System	(VDC)	12			
Lub-Oil Capacity	(L)	8.3			
Engine Coolant Capacity	(L)	10.2			
Fuel Tank Capacity	(L)	176			
Maximum Exhaust Temperature	(°C)	492			
Maximum Exhaust Gas Flow	(m3/H)	7			
Maximum Allowed Back Pressure	(kPa)	10			
Cooling Air Flow	(m3/min)	53			
Fuel Consumption 50 %	(L/h)	5.7			
Fuel Consumption 75 %	(L/h)	8.2			
Fuel Consumption 100 %	(L/h)	10.7			

• Replacable cylinder jacket • Dry type replacable oil filter • Heat-resistant radiator for 50 °C

(V)	400/230
(Hz)	50
(±)	1 %
	> 300 %
	Н
	IP 23
(%)	89,1
	110 % FOR 1 HOUR
(cos Phi)	0.8
	THF < 2 %
	STAR
	4
	SINGLE
	(Hz) (±)

4 Poles, Self-Excitation, Brushless, Synchrontype alternator
Electronic type automatic voltage regulator (AVR)

Self-Cooled

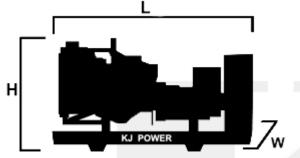


## Model: KJP 50

Powered by PERKINS **Diesel Generator** 

## Dimensions Without Canopy

Dimensions and Weight		
Length (L)	mm	2200
Height ( H )	mm	1700
Width (W)	mm	1000
Wet weight	kg	810
Fuel Tank Capacity	L	176



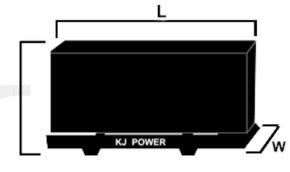
## Control Panel Features

- · Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- · Allows closed transfers
- 16Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- · Multiple nominal conditions

- Multiple automatic exerciser
- Weekly operation schedule
- · Dual mutual standby with equal aging of gensets
- · Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- Disable protections feature
- · Excess power protection
- Reverse power protection
- Overload IDMT protection
- Load shedding, dummy load
- Multiple load management
- Current unbalance protection
- Voltage unbalance protection
- Fuel fiiling & fuel theft alarms
- Battery back-up real time clock
- Idle speed control
- Battery charge0 run enabled
- Combat mode support

## Dimensions With Canopy

Dimensions and Weight		
Length (L)	mm	2400
Height ( H )	mm	1800
Width ( W )	mm	1000
Wet weight	kg	1050
Fuel Tank Capacity	L	176



- Contactor & MCB drive
- 4 quadrant genset power counters
- · Fuel fiiling counter
- Fuel consumption counter
- · Configurable through USB, RS-485, Ethernet and GPRS

- · Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (USB & RS232)
- · Dynamic DNS support
- Easy USB firmware upgrade
- · IP65 rating with standard gasket





- - · Mains power counters

  - Modem & Ethernet diagnostics

  - · Free configuration program
  - Allows SMS controls

· Ready for central monitoring Ethernet and GPRS