

Generating Rates		PRIME	STANDBY	
Power	kVA	13	15	
Power	kW	10,4	12	
Current	(cos Phi=0,8) A	19	22	
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 15 Powered by PERKINS Diesel Generator

Engine Specifications						
Brand		PERKINS				
Model		403A-15G1				
Engine Power Stand BY	(kWm / hp)	13,5/18				
Revolution Per Minute	(r.p.m.)	1500				
Total Displacement	(L)	1.496				
Cylinders Orientation		3 SINGLE LINE				
Bore x Stroke	(mm x mm)	84 x 90				
Compression Orientation		22,5:1				
Governor Type		MECHANIC				
Aspiration System		NATURAL				
Injection		DIRECT				
Cooling		WATER COOLED				
Electrical System	(VDC)	12				
Lub-Oil Capacity	(L)	6				
Engine Coolant Capacity	(L)	6				
Fuel Tank Capacity	(L)	66				
Maximum Exhaust Temperature	(°C)	450				
Maximum Exhaust Gas Flow	(m3/H)	5				
Maximum Allowed Back Pressure	(kPa)	4				
Cooling Air Flow	(m3/min)	50				
Fuel Consumption 50 %	(L/h)	2				
Fuel Consumption 75 %	(L/h)	2.8				
Fuel Consumption 100 %	(L/h)	3.7				

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

Alternator Specifications		
Output Voltage	(V)	400/230
Frequency	(Hz)	50
Stationary Voltage Regulation	(±)	1 %
Short Circuit Current		> 300 %
Insulation		Н
Protection		IP 23
Efficiency	(%)	86,6
Overloading		110 % FOR 1 HOUR
Power Factor	(cos Phi)	0.8
Total Harmonic Distortion Rate		THF < 2 %
Connection Type		STAR
Number Of Pole		4
Number Of Bearing		SINGLE

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

Self-Cooled

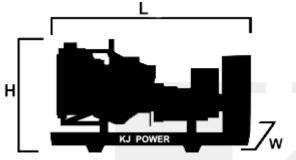


## Model: KJP 15

Powered by PERKINS Diesel Generator

## Dimensions Without Canopy

Dimensions and Weight		
Length (L)	mm	1420
Height(H)	mm	1200
Width (W)	mm	600
Wet weight	kg	342
Fuel Tank Capacity	L	66



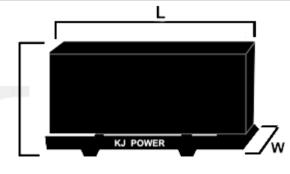
## Control Panel Features

- 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	1900	
Height ( H )	mm	1500	
Width ( W )	mm	950	
Wet weight	kg	620	
Fuel Tank Capacity	L	66	



- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel fiiling counter
- Fuel consumption counter
- Modem & Ethernet diagnostics
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring
   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



