

Model: KJP 110

Powered by PERKINS Diesel Generator







WATER COOLED



THREE PHASE



50 Hz



DIESEL

Generating Rates		PRIME	STANDBY	
Power	kVA	100	110	
Power	kW	80	88	
Current	(cos Phi=0,8) A	144	159	
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.



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Diesel Generator

Engine Specifications			
Brand			PERKINS
Model			1104C-44TAG2
Engine Power Stand BY		(kWm / hp)	103/137
Revolution Per Minute		(r.p.m.)	1500
Total Displacement		(L)	4.4
Cylinders Orientation			4 SINGLE LINE
Bore x Stroke		(mm x mm)	105 x 127
Compression Orientation			18,23:1
Governor Type			ELECTRONIC
Aspiration System			TURBO AAC
Injection			DIRECT
Cooling			WATER COOLED
Electrical System		(VDC)	12
Lub-Oil Capacity		(L)	8
Engine Coolant Capacity		(L)	12.6
Fuel Tank Capacity		(L)	190
Maximum Exhaust Temperature	140	(°C)	514
Maximum Exhaust Gas Flow		(m3/H)	15.2
Maximum Allowed Back Pressure	1	(kPa)	18
Cooling Air Flow		(m3/min)	165
Fuel Consumption 50 %		(L/h)	11.8
Fuel Consumption 75 %		(L/h)	17.1
Fuel Consumption 100 %		(L/h)	22.6

• 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	(%)	90,5		
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



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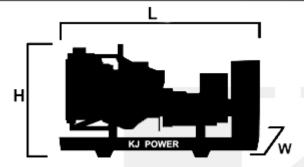
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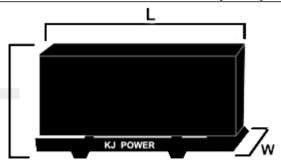
Dimensions Without Canopy

Dimensions and Weight		
Length (L)	mm	2550
Height (H)	mm	1700
Width (W)	mm	1100
Wet weight	kg	1150
Fuel Tank Capacity	L	190

Dimensions With Canopy

Dimensions and Weight		
Length (L)	mm	2700
Height (H)	mm	1900
Width (W)	mm	1100
Wet weight	kg	1270
Fuel Tank Capacity	L	190





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

- 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



