

Generating Rates		PRIME	STANDBY	
Power	kVA	20	22	
Power	kW	16	18	
Current	(cos Phi=0,8) A	29	32	
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 22 Powered by PERKINS Diesel Generator

Engine Specifications			
Brand		PERKINS	
Model		404A-22G1	
Engine Power Stand BY	(kWm / hp)	20,3/27,2	
Revolution Per Minute	(r.p.m.)	1500	
Total Displacement	(L)	2.216	
Cylinders Orientation		4 SINGLE LINE	
Bore x Stroke	(mm x mm)	84 x 100	
Compression Orientation		23,3:1	
Governor Type		MECHANIC	
Aspiration System		NATURAL	
Injection		DIRECT	
Cooling		WATER COOLED	
Electrical System	(VDC)	12	
Lub-Oil Capacity	(L)	7	
Engine Coolant Capacity	(L)	10.6	
Fuel Tank Capacity	(L)	83	
Maximum Exhaust Temperature	(°C)	450	
Maximum Exhaust Gas Flow	(m3/H)	5.1	
Maximum Allowed Back Pressure	(kPa)	6	
Cooling Air Flow	(m3/min)	50	
Fuel Consumption 50 %	(L/h)	2.9	
Fuel Consumption 75 %	(L/h)	4	
Fuel Consumption 100 %	(L/h)	5.3	

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	(%)	87,4
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

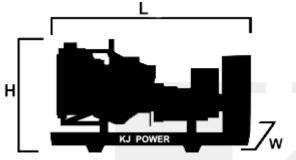


Model: KJP 22

Powered by PERKINS Diesel Generator

Dimensions Without Canopy

Dimensions and Weight		
Length (L)	mm	1850
Height (H)	mm	1400
Width (W)	mm	950
Wet weight	kg	590
Fuel Tank Capacity	L	83



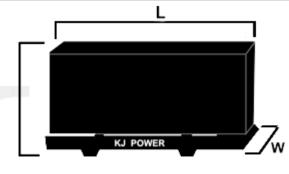
Control Panel Features

- 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	2000	
Height (H)	mm	1450	
Width (W)	mm	950	
Wet weight	kg	740	
Fuel Tank Capacity	L	83	



- 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



