

Model: KJA 75

Diesel Generator







WATER COOLED



THREE PHASE



50 Hz



DIESEL

Generating Rates		PRIME	STANDBY	
Power	kVA	68	75	
Power	kW	54	60	
Current	(cos Phi=0,8) A	98	108	
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
- Electronic governor
- 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: KJA 75
Powered by ALPHA-R

Diesel Generator

Engine Specifications			
Brand			ALPHA-R
Model			R4105ZD1-1
Engine Power Stand BY		(kWm / hp)	61/83
Revolution Per Minute		(r.p.m.)	1500
Total Displacement		(L)	4.33
Cylinders Orientation		(=)	4 SINGLE LINE
Bore x Stroke		(mm x mm)	105 x 125
Compression Orientation		(min x min)	17:00

Governor Type			MECHANIC
Aspiration System			TURBO CHARGE
Injection			DIRECT
Cooling			WATER COOLED
Electrical System		(VDC)	12
Lub-Oil Capacity		(L)	14
Engine Coolant Capacity		(L)	12
Fuel Tank Capacity		(L)	176
Maximum Exhaust Temperature	1.	(°C)	600
Maximum Exhaust Gas Flow	1/5.	(m3/h)	3.97
Maximum Allowed Back Pressure	10	(kPa)	4
Cooling Air Flow		(m3/min)	174
Fuel Consumption 50 %		(L/h)	7.1
Fuel Consumption 75 %		(L/h)	10.9
Fuel Consumption 100 %		(L/h)	14.3

** 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		H "4/2
Protection		IP 23
Efficiency	(%)	90,7
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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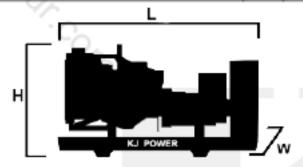
Powered by ALPHA-P Diesel Generator

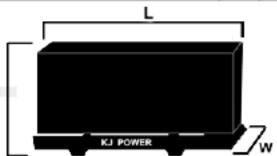
Dimensions Without Canopy

Dimensions and Weight		
Length (L)	mm	2100
Height (H)	mm	1700
Width (W)	mm	1000
Wet weight	kg	1030
Fuel Tank Capacity	L	176

Dimensions With Canopy

Dimensions and Weight			
Length (L)	mm	2400	
Height (H)	mm	1800	
Width (W)	mm	1000	
Wet weight	kg	1260	
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 filling & 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 filling 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



