



**UZMAN
GENERATOR**

500 KVA
C-SDEC

GENERAL FEATURES		PRIME	STANDBY
Power	KVA	500	500
Power	KW	400	440
Standard Voltage	V	400/230	
Revolutions per minute	r.p.m	1500	
Rated at power factor	Cos Phi	0,8	

STANDBY 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.


STANDARD FEATURES

- 4 Stroke, 1500 RPM, water cooled heavy duty diesel
- Dry type replaceable air filter
- Radiator capable of cooling up to 50 ° C
- Flexible oil pipes and oil draining valve
- Pre-heater
- 4 Poles, synchronize, 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 FEATURES

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

ENGINE SPECIFICATION

Producer		C-SDEC
Power kW PRP	kW PRP	405
Engine Model		QC25G610D2
Number of Cylinders / Valves		12/24
Time		4
Volume	(lt)	25,8
Air Intake System		Turbocharger
Broke X Stroke	(mm)	135x150
Compression Ratio		16:1
Air Filter		Replaceable Element
Cooling System		Water Cooled (water + 50% antifreeze)
Total Coolant Capacity		147
Governor Type		Elektronic
Electrical System		24VDC
Charge Alternator Current		55A
Total Oil Volume	(lt)	65
Exhaust Gas Output Flow Rate PRP	(m3/min)	86
Maximum Exhaust Gas Output Temperature	(°C)	650
Combustion Air Flow Rate PRP	(m3/min)	32
Cooling Air Flow	(m3/min)	765,6
Starter Power	(kW)	11kW
Standard Battery Voltage	VDC	24VDC
Standard Battery Capacity		2x105Ah
Standard Battery Type		Maintenance Free Lead Acid

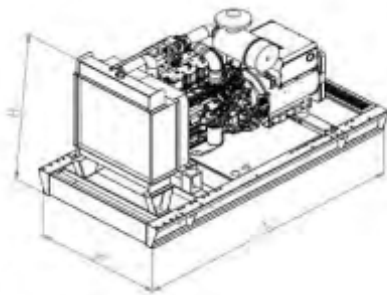
ALTERNATOR SPECIFICATIONS

Producer		UZMAN
Model		UYI274G
Voltage		400/230 VAC
Number of Phases		3
Power Factor		0,8
Number of Poles		4
Connection style		Star
Bearing Type		Single bed
Insulation Class		H
Protection Class		Ip23
Winding Step		2/3
Warning System		Self-Excited
Voltage Regulator		Electronic AVR
Efficiency 4/4 400VAC 50Hz	(cos Ph)	96,1
Voltage Regulation		(±) %1
Total Harmonic Component Value		<%3
Apparent Power (kVA) Prime 400 VAC 50 Hz 125 C / 40 C		500

CONTROL PANEL SPECIFICATION

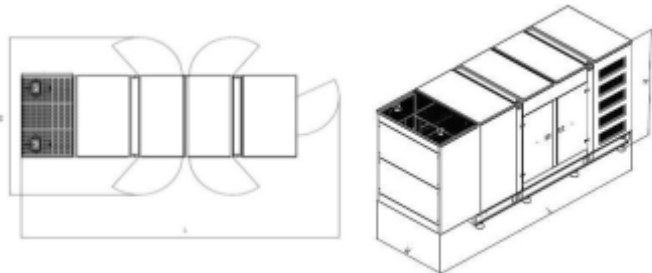
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable languages
- Waveform display of V & I
- Harmonic analysis of V & I
- 16Amp MCB & GCB outputs
- 8 configurable digital inputs
- 6 configurable digital outputs
- 3 configurable analogue inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- 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
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal
- Manual “speed fine adjust”
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem diagnostics display
- Configurable through USB, RS-232 and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity (RS232)
- Multiple nominal conditions
- Contactor & MCB drive
- 4 quadrant genset power counters
- Mains power counters

SPECIFICATION WITHOUT CABIN

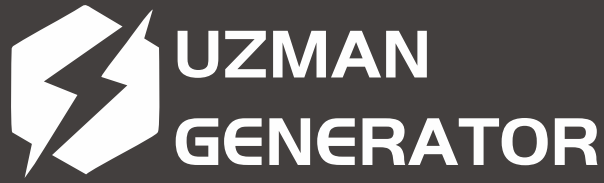


Length (L)	mm	4500
Height (H)	mm	2000
Width (W)	mm	1900
Wet weight	kg	2500
Fuel Tank Capacity	L	600

SPECIFICATION WITH CABIN



Length (L)	mm	4500
Height (H)	mm	2300
Width (W)	mm	1900
Wet weight	kg	2500
Fuel Tank Capacity	L	600



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