

## TECHNICAL SPECIFICATIONS

### STANDBY POWER

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source,.Overload is not allowed.

### PRIME POWER

The maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load. Average load should be 70%.The generator can be overloaded 10% for 1 hour per 12 hrs.

### CONTINUOUS POWER

Continuous power rating is used in applications where supplying power is at a constant 100% load for an unlimited number of hours each year. Continuous power rated units are most widely used in applications where the power grid is unreachable.



### ENGINE

- CUMMINS heavy duty diesel engine
- 4-cycle, water cooled, naturally aspirated
- 24 Volt starter motor and charge alternator with battery, rack and cables
- Replaceable air, fuel and oil filter
- Industrial type radiator
- Flexible fuel piping
- Oil sump drain valve and extension pipe
- Residential type exhaust silencer,
- Maintenance free battery
- Jacket Water Heater
- Engine jacket water heater,
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

### ALTERNATOR

- Brushless, single bearing,4-pole alternator coupled with flexible disc coupling
- H type insulation class
- IP 21-23 protection
- Self exciting
- Electronic AVR

### CONTROL PANEL

- DSE 7 Series mains sensing or remote start control module
- Emergency stop push button
- Output circuit breaker
- Static battery charger
- Ready for remote monitoring

### CANOPY

- Modular type sound-proof canopy
- Built from steel and epoxy, polyester powder painted
- Lockable doors on both sides of canopy designed for easy access to essential replacement parts
- Emergency stop push button
- Control Panel viewing window
- Bunded base fuel tank (Optional)
- Forklift Pockets (Optional)



EA Power Systems Ltd.

207 Dominion Rd. LE36QA Leicester United Kingdom

Www.eapowers.com +44(0)1163180570

MODEL		EAC2250	EAC2500	EAC3000	
OUTPUT	Standby	kVA	2250	2500	3000
		kW	1800	2000	2400
	Prime	kVA	2045	2000	2750
		kW	1600	1600	2200
ENGINE	Engine		CUMMINS	CUMMINS	CUMMINS
	Model		QSK60G4	QSK60G13	QSK78G9
	Configuration		V	V	V
	No. of Cylinders		16	16	18
	Speed	rpm	1500	1500	1500
	Displacement	l	60,2	60,2	77,6
	Bore x Stroke	mm	159 x 190	159 x 190	170 x 190
	Compression Ratio		14,5:1	14,5:1	15,5:1
	Aspiration		Turbocharged		
	Governor Type		Electronic		
	Cooling		Water		
	Coolant Capacity	l	490	603	TBA
	Lubrication Oil Capacity	l	280	280	TBA
	Fuel Consumption l/h	100%Load	394	399	TBA
75% Load		291	302	TBA	
ALTERNATOR	Phase		3	3	3
	Pole		4	4	4
	No. of Leads		12	12	12
	Excitation System		AVR	AVR	AVR
	Insulation Class		H	H	H
	IP Protection		IP23	IP23	IP23
	Power Factor		0,8	0,8	0,8
	Frequency	Hz	50	50	50
	Voltage	V	400	400	400
SIZE	Canopy Set Dimensions (LxWxH) & Weight & Fuel Tank Capacity	mm	7500 x 3000 x 3000	7500 x 3000 x 3000	8000 x 2600 x 2900
		kg	20100	22000	28900
		l	3375	3375	4200
	Open Set Dimensions (LxWxH) & Weight & Fuel Tank Capacity	mm	6200 x 2650 x 2650	6200 x 2650 x 2650	7200 x 2250 x 2550
		kg	16300	16500	25160
		l	3375	3375	4200

EA Power Systems reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice

EA Power Systems Ltd.

207 Dominion Rd. LE36QA Leicester United Kingdom

Www.eapowers.com +44(0)1163180570

## CONTROL MODULE

### Standard Specifications

- State of the art, microprocessor controlled
- 4line, 64 x 132 pixel display LCD display
- Automatic mains failure sensing
- Front panel manual programming
- User friendly setup and button layout
- Remote start
- Event logging, showing date and time
- Stop/Reset, Manual, Auto, Test, Start, buttons, toggle display button

### Displays

- Engine Speed (rpm)
- Oil pressure.
- Coolant temperature,
- Running Hours
- Battery voltage monitoring
- Generator Voltage (LL, LN)
- Generator Current (L1-L2-L3)
- Generator Frequency (Hz)
- Generator Load & Power Monitoring (kW, kVA, kVAr, pf)
- Mains Voltage (LL, LN)
- Mains Frequency
- Generator Set Ready
- Mains Ready



### Alarms

- High coolant temperature
- Low oil pressure
- Charge failure
- Battery Low/High voltage
- Fail to start
- Fail to stop
- High/Low Generator voltage
- Generator Over/Under frequency
- Generator Over/Under Speed

### Shut Downs

- Fail to start,
- Emergency stop
- Low oil pressure,
- High coolant temperature
- Generator Over/Under frequency,
- Generator Over/Under Speed
- High/Low Generator voltage
- Oil pressure sensor open