

## TECHNICAL SPECIFICATIONS

### STANDBY POWER

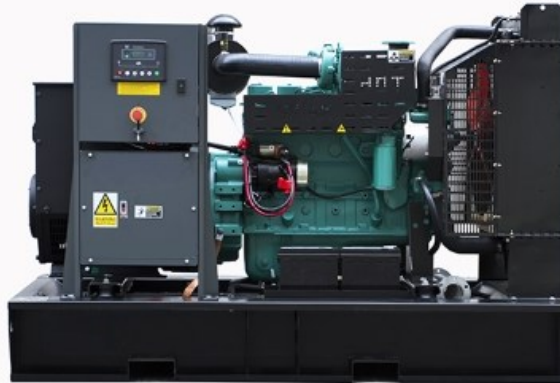
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Overload is not allowed.

### 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.



### 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 6 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)

### ENGINE

- CUMMINS heavy duty diesel engine
- 4-cycle, water cooled, naturally aspirated or turbocharged
- 12/24 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



EA Power Systems Ltd.

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MODEL		EAC28	EAC38	EAC44	
OUTPUT	Standby	kVA	28	38	44
		kW	22	30	35,2
	Prime	kVA	25	35	40
		kW	20	27	32
ENGINE	Engine	CUMMINS	CUMMINS	CUMMINS	
	Model	X2.5G2	X3.3G1	S3.8G4	
	Configuration	INLINE	INLINE	INLINE	
	No. of Cylinders	3	4	4	
	Speed	rpm	1500	1500	1500
	Displacement	l	2,5	3,3	3,8
	Bore x Stroke	mm	91,7 x 127	91,4 x 127	97 x 128
	Compression Ratio		18,5:1	18,5:1	175:1
	Aspiration		Turbocharged		
	Governor Type		Mechanical		
	Cooling		Water		
	Coolant Capacity	l	5,5	8,6	11
	Lubrication Oil Capacity	l	6,5	6,5	11
	Fuel Consumption l/h	100%Load	6	8,5	9,9
75% Load		4,8	6,1	7,6	
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	1960 x 950x 1380	2400 x 1000 x 1530	2650 x 1100 x 1680
		kg	790	1260	1390
		l	54,6	92	120
	Open Set Dimensions (LxWxH) & Weight & Fuel Tank Capacity	mm	1300 x 850 x 1280	1600 x 900 x 1280	1800 x 900 x 1280
		kg	680	790	918
		l	54,6	107	145

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

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## 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