

TECHNICAL SPECIFICATIONS

STANDBY POWER

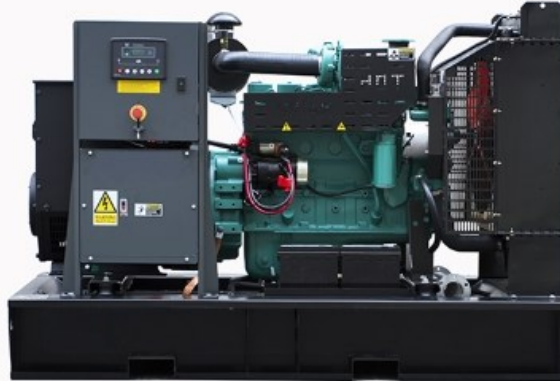
Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Overload is not allowed.

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			EAC55	EAC66	EAC110
OUTPUT	Standby	kVA	55	66	110
		kW	44	52,8	88
	Prime	kVA	50	60	100
		kW	40	48	80
ENGINE	Engine		CUMMINS	CUMMINS	CUMMINS
	Model		S3.8G6	S3.8G7	6BTA5.9G5
	Configuration		INLINE	INLINE	INLINE
	No, of Cylinders		4	4	6
	Speed	rpm	1500	1500	1500
	Displacement	l	3,8	3,8	8,9
	Bore x Stroke	mm	97 x 128	97 x 128	102 x 120
	Compression Ratio		17,5:1	17,5:1	17,6:1
	Aspiration		Turbocharged		
	Governor Type		Mechanical		
	Cooling		Water		
	Coolant Capacity	l	11	11	19,75
	Lubrication Oil Capacity	l	11	11	16,4
	Fuel Consumption l/h	100%Load	12,8	14,7	22
75% Load		9,5	11	17	
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	2650 x 1100 x 1680	2650 x 1100 x 1680	2850 x 1100 x 1680
		kg	1675	1725	1990
		l	145	145	190
	Open Set Dimensions (LxWxH) & Weight & Fuel Tank Capacity	mm	1800 x 900 x 1280	1800 x 900 x 1530	2000 x 900 x 1530
		kg	1040	1090	1297
		l	120	120	138

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