

## 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

- PERKINS heavy duty diesel engine
- 4-cycle, water cooled, naturally aspirated
- Indirect injection
- 12 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

### 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 galvanized 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



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EA Power Systems Ltd.

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Registered in England & Wales No:11023250

MODEL		EAP10	EAP15	EAP22	
OUTPUT	Standby	kVA	10	14,5	22
		kW	8	11,6	17,8
	Prime	kVA	9	13,1	20,3
		kW	7,2	10,5	16,2
ENGINE	Engine		PERKINS	PERKINS	PERKINS
	Model		403A - 11G1	403A - 15G1	404A - 22G1
	Configuration		INLINE	INLINE	INLINE
	No, of Cylinders		3	3	4
	Speed	rpm	1500	1500	1500
	Displacement	l	1,131	1,496	2,216
	Bore x Stroke	mm	77x81	84x90	84x100
	Compression Ratio		23:1	22,5:1	23,3:1
	Aspiration		Natural		
	Governor Type		Mechanical		
	Cooling		Water		
	Coolant Capacity	l	4,9	6	7
	Lubrication Oil Capacity	l	4,9	6	10,6
	Fuel Consumption l/h	100%Load	3,00	3,70	5,30
75% Load		2,30	2,80	4,00	
50%Load		1,70	2,00	2,90	
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	mm	2100 x 900 x 1365	2100 x 900 x 1365	2100 x 900 x 1365
		kg	655	670	730
	Open Set Dimensions (LxWxH) & Weight	mm	900 x 1750 x 1185	900 x 1750 x 1185	900 x 1750 x 1280
		kg	515	530	590
	Fuel Tank Capacity	l	92	92	92

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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

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