



Images are for illustration purpose only

### ENGINE

PERKINS heavy duty diesel engine  
4-cycle, water cooled, turbocharged,  
direct injection

12/24 Volt starter 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

Industrial/Residential type exhaust  
silencer.

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 23 protection

Self exciting

Electronic AVR

### CONTROL PANEL

DeepSea 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 (Optional)

Power cable entry with a gland plate

### 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 con-  
tinuously whilst supplying  
a variable electrical load.  
Average load should be  
70%.The generator can  
be overloaded 10% for 1  
hour per 12 hrs.

### Base 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.



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EA Power Systems Ltd.

207 Dominion Rd. LE36QA Leicester United Kingdom

www.eapowers.com +44(0)1163180570

Registered in England & Wales No:11023250





MODEL		EAP72	EAP88	EAP110	
OUTPUT	Standby	kVA	72	88	110
		kW	58	70	88
	Prime	kVA	65	80	100
		kW	52	64	80
ENGINE	Engine	PERKINS	PERKINS	PERKINS	
	Model	1104A-44TG1	1104A-44TG2	1104C-44TAG2	
	Configuration	INLINE	INLINE	INLINE	
	No. of Cylinders	4	4	4	
	Speed	rpm	1500	1500	1500
	Displacement	l	4,4	4,4	4,4
	Bore x Stroke	mm	105 x 127	105 x 127	105 x 127
	Compression Ratio		17,25 : 1	17,25 : 1	18,2 : 1
	Aspiration		Turbocharged	Turbocharged	Turbocharged
	Governor Type		Mechanical	Mechanical	Mechanical
	Cooling		Water	Water	Water
	Coolant Capacity	l	13	13	12,6
	Lubrication Oil Capacity	l	8	8	8
	Fuel Consumption l/h	100%Load	14.8	18.7	22.6
75% Load		11.2	14.0	17.1	
50%Load		8.0	9.7	11.2	
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	2600 x 1000 x 1410	2600 x 1000 x 1410	2600 x 1000 x 1410
		kg	1267	1410	1433
	Open Set Dimensions (LxWxH) & Weight	mm	2200 x 1000 x 1410	2200 x 1000 x 1410	2200 x 1000 x 1410
		kg	1070	1213	1236
	Fuel Tank Capacity	l	139	139	139

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### CONTROL MODULE

DSE 7 Series Control Module

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

### Displays

Engine Speed (rpm)

Oil pressure

Fuel Level (%)

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 Fuel Level

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