

Doosan 830 kVA

50 Hz Diesel Generator Set



Power



Images are for illustration purpose only

ENGINE

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



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

EA Power Systems Ltd.

3rd Floor St Georges House 6 St Georges Way LE11QZ Leicester
United Kingdom

www.eapowers.com +44(0)1163180570
Registered in England & Wales No:11023250





MODEL			EAD830
OUTPUT	Standby	kVA	830
		kW	664
	Prime	kVA	750
		kW	600
ENGINE	Engine		DOOSAN
	Model		DP222LC
	Configuration		V
	No. of Cylinders		12
	Speed	rpm	1500
	Displacement	l	21,9
	Bore x Stroke	mm	128 x 142
	Compression Ratio		15:1
	Aspiration		Turbocharged
	Governor Type		Electronic
	Cooling		Water
	Coolant Capacity	l	114
	Lubrication Oil Capacity	l	40
	Fuel Consumption l/h	100%Load	161
		75% Load	119,1
		50%Load	79,3
ALTERNATOR	Phase		3
	Pole		4
	No. of Leads		6-12
	Excitation System		AVR
	Insulation Class		H
	IP Protection		IP23
	Power Factor		0,8
	Frequency	Hz	50
	Voltage	V	400
SIZE	Canopy Set Dimensions (LxWxH) & Weight	mm	5360 x 1650 x 2450
		kg	5572
	Open Set Dimensions (LxWxH) & Weight	mm	3500 x 1650 x 2250
		kg	4431
	Fuel Tank Capacity	l	970

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

EA Power Systems Ltd.

3rd Floor St Georges House 6 St Georges Way LE11QZ Leicester

United Kingdom

www.eapowers.com +44(0)1163180570

Registered in England & Wales No:11023250



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