Doosan 830 kVA

50 Hz Diesel Generator Set

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 continuously 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 Ltd.

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Registered in England & Wales No:11023250

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50 Hz Diesel Generator Set

MODEL			EAD830
OUTPUT	Standby	kVA	828
		kW	662
	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
	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	5418
	Open Set Dimensions (LxWxH) & Weight	mm	3500 x 1650 x 2250
		kg	4277
	Fuel Tank Capacity	l	970

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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

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