Doosan 330-400 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.
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

Doosan 330-400 kVA

50 Hz Diesel Generator Set

MODEL			EAD330	EAD350	EAD400
OUTPUT	Standby	kVA	330	350	400
		kW	264	280	320
	Prime	kVA	302	324	365
		kW	241	259	292
ENGINE	Engine		DOOSAN	DOOSAN	DOOSAN
	Model		P126TI-II	DP126LA	DP126LB
	Configuration		INLINE	INLINE	INLINE
	No. of Cylinders		6	6	6
	Speed	rpm	1500	1500	1500
	Displacement	l	11,1	11,05	11,05
	Bore x Stroke	mm	123 x 155	123 x 155	123 x 155
	Compression Ratio		17:1	17,2:1	17,2:1
	Aspiration		Turbocharged	Turbocharged	Turbocharged
	Governor Type		Electronic	Electronic	Electronic
	Cooling		Water	Water	Water
	Coolant Capacity	l	51	51	51
	Lubrication Oil Capacity	l	23	44	44
	Fuel Consumption l/h	100%Load	63,1	68,1	76
		75% Load	47	51,1	57,1
		50%Load	31,3	34,3	38,4
ALTERNATOR	Phase		3	3	3
	Pole		4	4	4
	No. of Leads		6-12	6-12	6-12
	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	3940 x 1300 x 1850	4700 x 1650 x 2250	4700 x 1650 x 2250
		kg	2928	3853	3929
	Open Set Dimensions (LxWxH) & Weight	mm	3000 x 1300 x 1700	3060 x 1650 x 1970	3160 x 1650 x 1970
		kg	2363	2933	3009
	Fuel Tank Capacity	l	385	780	780

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

Doosan 330-400 kVA

50 Hz Diesel Generator Set

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

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