lveco 33-66 kVA 50 Hz Diesel Generator Set





Images are for illustration purpose only

ENGINE

IVECO heavy duty diesel engine 4-cycle, water cooled, naturally aspirated, 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

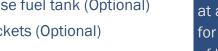
Emergency stop push button

Control Panel viewing window

Bunded base fuel tank (Optional)

Forklift Pockets (Optional)

Power cable entry with a gland plate





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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.



50 Hz Diesel Generator Set



MODEL			EAF33	EAF55	EAF66
OUTPUT	Standby	kVA	33	55	66
		kW	26,4	44	52,8
	Prime	kVA	30	50	60
		kW	24	40	48
	Engine		IVECO	IVECO	IVECO
	Model		80313AM1P	N45 AM2	N45 SM1A
	Configuration		INLINE	INLINE	INLINE
	No. of Cylinders		3	4	4
	Speed	rpm	1500	1500	1500
	Displacement	I	2,9	4,5	4,5
	Bore x Stroke	mm	115 x 104	104 x 132	104 x 132
ENG	Compression Ratio		17:1	17,5:1	17,5:1
ENGINE	Aspiration		Natural	Natural	Natural
	Governor Type		Mechanical	Mechanical	Mechanical
	Cooling		Water	Water	Water
	Coolant Capacity	I	14	18,5	18,5
	Lubrication Oil Capacity	I	8,8	12,8	12,8
	Fuel Consumption I/h	100%Load	7,05	11,6	13,7
		75% Load	5,64	9,8	10,2
		50%Load	3,76	6,2	7
	Phase		3	3	3
	Pole		4	4	4
A	No. of Leads		12	12	12
LTE	Excitation System		AVR	AVR	AVR
ALTERNATOR	Insulation Class		Н	Н	Н
	IP Protection		IP23	IP23	IP23
	Power Factor		0,8	0,8	0,8
	Frequency	Hz	50	50	50
	Voltage	V	400	400	400
	Canopy Set Dimensions	mm	2300 x 1000 x 1420	2300 x 1000 x 1420	2600 x 1000 x 1410
G	(LxWxH) & Weight	kg	991	1162	1267
SIZE	Open Set Dimensions	mm	1900 x 1000 x 1400	1900 x 1000 x 1400	2200 x 1000 x 1400
	(LxWxH) & Weight	kg	816	1162	1267
	Fuel Tank Capacity	l l	82	139 ations, color, equipment & accessor	139

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CONTROL MODULE

DSE 6 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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