



# **DIESEL GENERATOR 145 KVA**

**TECHNICAL SPECIFICATIONS** 



		Standby	Prime	
Power	kVa	145	131	
Power	kW	116	105	
Rated speed	rpm	1500		
Voltage	V	400/230		
Power factor	Cos Phi	0,8		
Open Type (L×W×H)	mm	1100 x 2470 x 1655		
Open Type(Weight)	kg	1347		
Silent Type (L×W×H)	mm	1100 x 2950 x 1970		
Silent Type(Weight)	kg	1677		

#### **Continous Power**

Continuous working power under constant load. The average load value can be 100%. It cannot be overloaded.

### Standby Power

Working power in limited time under variable load. With an average load of 70%, it can operate for a total of 200 hours a year. It is used as backup power in mains power outages. Cannot be overloaded.

### Prime Power

Continuous working power under variable load. Average load value should be 70%. Every 12 hours 10% can be overloaded.

## 50 Hz, 230/400V





# **DIESEL GENERATOR 145 KVA**

## 50 Hz, 230/400V

### **TECHNICAL SPECIFICATIONS**

ENGINE			
Brand		Volvo Penta	
Model			TAD532GE
Frequency		Hz	50
Standby Power		kW	125
Prime Power		kW	112
Displacement		lt	4.76
Rated Speed		rpm	1500
Bore x Stroke		mm x mm	108 x 130
Aspiration			Turbocharged – Intercooler
Cooling Method			Water Cooled
Туре			Direct Injection
Compression Ratio			15.5:1
Number of Cylinders			4 In-Line
Governor Type			Electronic
Oil Capacity		lt	11
Coolant Capacity		lt	20.2
Fuel Tank		lt	280
Fuel Consumption	%100	lt	31.5
	%75	lt	23.1
	%50	lt	15.6

ALTERNATOR			
Power Factor		0.8	
Rated Power	kW/kVa	116/145	
Frequency	Hz	50	
Voltage	V	400/230	
Connection		3P 4W / Y	
Protection Class		IP21	
Insulation Class		Н	
Voltage Regulation		±1.0%	
AVR		AS440	
Excitation System		Self Excited	

### **STANDARD FEATURES**

Water cooled diesel engine	Steel chassis and anti-vibration wedges
Radiator and mechanical fan	Electronic battery charger
Protective cage that prevents touching rotating and hot parts	Operating and installation manual
Electric starter and charge alternator	Alternator with single bearing and H insulation class
Battery, cables and stand	Industrial capacity muffler and flexible steel compensator
Flexible fuel connection hoses	Engine water heater

SKATPOWER reserves the right to make changes in model, specification, color, equipment and accessories without prior notice. N/A: These dimensions and weights may change depending upon the characteristics of the project

#### SKATPOWER GENERATOR.



# **DIESEL GENERATOR 145 KVA**

**TECHNICAL SPECIFICATIONS** 

# **CONTROL SYSTEM**

## DATAKOM D-300

FUNCTIONS

AMF unit

ATS unit

Remote start controller

Manual start controller

Remote display panel

**Engine controller** 

The D-300 is a cost effective, modern technology genset controller ready for internet monitoring. Its main advantages are multifunctionality, support for multiple topologies, harmonic analysis and detailed power measurements.

Software features are complete with easy firmware upgrade through USB port. The Windows based PC software allows monitoring and programming through USB, RS-232 and GPRS.

The Rainbow Scada web service allows monitoring and control of an unlimited number of gensets from a single central location.

COMMUNICATION

(optional)

**USB** Device

Plus

J1939-CANBUS

Modbus RTU

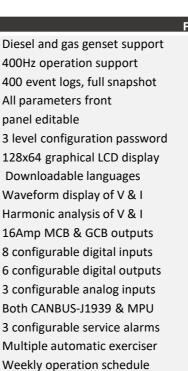
GPS support (RS-232)

4-band GPRS modem

RS-232 (2400-57600baud)

Geo-locating through GSM

Internet Central Monitoring Free PC software: Rainbow



**FEATURES** 

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	Dual mutual standby with equal aging
	of gensets
	Manual "speed fine adjust" on selected
	ECUs
	Automatic fuel pump control
b	Disable protections feature
	Excess power protection
	Reverse power protection
	Overload IDMT protection
	Load shedding, dummy load
	Multiple load management
	Current unbalance protection
	Voltage unbalance protection
	Fuel filling & fuel theft alarms
	Battery back-up real time clock
	Idle speed control
	Battery charge run enabled
	Combat mode support

DATAKOM

94 RF

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