

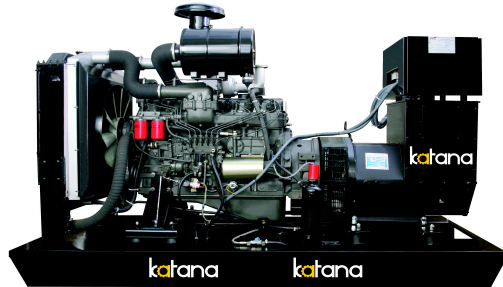


YOUR POWER PARTNER

**Standby 125 kVA
DIESEL GENSET GROUP**

KD 125

Engine: Ricardo
Alternator: Katana
Control System: Datakom 309



INTRODUCTION

Water cooled, Diesel engine Radiator with mechanical fan Protective grille for rotating and hot parts Electric starter and charge alternator Starting battery (with lead acid) including rack and cables Engine coolant heater Base frame design incorporates an integral fuel tank and anti-vibration isolators Flexible fuel connection hoses Single bearing, class H alternator Industrial exhaust silencer and steel bellows supplied separately Static battery charger Manual for application and installation

**ISO8528
SZUTEST
ISO 9001**



This generator set has been designed to meet ISO 8528 regulation
This generator set is manufactured in facilities certified to ISO 9001.
This generator set is manufactured in facilities certified to ISO 9001.
This generator set is available with CE certification.
Enclosed product is tested according to EU noise legislation 2000/14/EC

3 Phase Ratings, 50 Hz, PF 0,8

Voltage	Standby Rating (ESP)		Prime Rating (PRP)	
	kVA	kW	kVA	kW
400/230	125	100	112,5	90

Standby Rating (ESP) : Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. ESP is in accordance with ISO 8528. Overload is not allowed.

Prime Rating (PRP) : Applicable for supplying power to varying electrical load for unlimited hours. PRP is in accordance with ISO 8528. 10 % overload capability is available for a period of 1 hour within 12-hour period of operation, in accordance with ISO 3046.



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DIESEL ENGINE SPECIFICATIONS

Manufacturer		Katana
Model		KDE6,8MTDE1
No. of Cylinders and Build		6-cylinder, Vertical
Aspiration and Cooling		Water Cooled
Maximum Standby Power		
	1500 rpm	110 KW
Total Displacement	L	6800
Bore and Stroke	mm	105*130
Compression Ratio		17,0:1
Rated Speed (rpm)	rpm	1500
Governor		Mechanical
Oil Capacity	L	18
Coolant Capacity	L	29
Intake Air Flow	m³/min.	9,8
Radiator Cooling Air	m³/min.	190
Exhaust Gas Flow	m³/min.	27,2
Exhaust Gas Temperature	° C	600
Start System		24 V d.c.
Fuel Consumption		
	%110(L/h)	24,7
	%100(L/h)	22,4
	%75(L/h)	17,2
	%50(L/h)	11,1

Manufacturer reserves the right to make changes in model, technical specifications, color, equipment and accessories without prior notice.

www.katana.com.tr Phone Int.: +90 216 540 74 33 Tel: 444 5 978 www.katanashop.com.tr



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ALTERNATOR SPECIFICATIONS

Make		Katana
Model		KA 125
Frequency	Hz	50
Power	kVA	120
Design		Brushless, 4 poles
Cos phi		0,8
Phase		3
Voltage	V	400/230
Current	A	180
Insulation Class		H
Protection		IP22
Short Circuit Current		300%(10 sec)
Connection Type		Star
Over loading		%110 for one Hour
Stationary Voltage Ragulation		%1

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DIMENSIONS AND WEIGHT

Open Type	Dry Weight (kg.8)	Lenght (mm.)	Width (mm.)	Height (mm.)	Tank Capacity(L)
	1250	2300	900	1650	140
Canopy	Dry Weight (kg.)	Lenght (mm.)	Width (mm.)	Height (mm.)	Tank Capacity(L)
	1450	2500	1000	1850	161

STANDARD SPECIFICATIONS

Water cooled, Diesel engine
Radiator with mechanical fan
Protective grille for rotating and hot parts
Electric starter and charge alternator
Starting battery (with lead acid) including rack and cables
Battery Charger
Engine coolant heater for cold conditions
Base frame design incorporates an integral fuel tank and anti-vibration isolators
Flexible fuel connection hoses
Single bearing, class H alternator
Industrial exhaust silencer and steel bellows supplied separately
Static battery charger
Manual for application and installation
4pole contactor
Emergency Stop Button
Oil filter x1
Fuel Filter x2
Turbo Oil Filter X1
Alarm



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Controller DATAKOM 309

DESCRIPTION

The controller is a comprehensive AMF unit for single genset standby or dual genset mutual standby operations.

The unit is available with MPU or CANBUS versions. The CANBUS version connects to ECU controlled electronic engines providing engine control, protection and instrumentation without extra senders. The ECU alarms are displayed in text.

The unit is able to initiate modem calls and send SMS messages in fault conditions through external modem.

The unit provides a comprehensive set of digitally adjustable timers, threshold levels, input and output configurations, operating sequences and engine types. All programs may be modified via front panel pushbuttons, and do not require an external unit.

Last 100 faults are stored in the event log file. The event log includes not only the date-time information, but also a comprehensive list of measured genset parameters at the time that the fault has occurred.

The WINDOWS based RAINBOW program allows remote monitoring and control.

The unit supports MODBUS protocol enabling communication with PLCs and building management systems. The MODBUS protocol is also supported through GSM and PSTN modems.

The unit offers multiple language support.

FEATURES

True RMS measurements
ECU connection through J1939 CAN option
J1939 ECU warnings displayed as text
MPU input option
Internal GSM modem option
Dual genset mutual standby operation
Event logging with time stamp and measurements
Battery backed-up real time clock
Built in daily / weekly / monthly exerciser
Weekly operation schedule programs
Field adjustable parameters
RS-232 serial port
Optional RS-485 serial port
Free MS-Windows Remote monitoring SW
GSM and PSTN modem support
GSM SMS message sending on fault
MODBUS communications
Multiple language support
Customer logo display capability
1A protected semiconductor outputs
Configurable analogue inputs: 4
Configurable digital inputs: 7
Configurable relay outputs: 2
Total relay outputs: 6
I/O expansion capability
Plug-in connection system



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CANOPY



- 1 Steel structures.
- 2 Emergency stop push button.
- 3 Control panel is mounted on the baseframe .

Located at the right side of the generator set.

- 4 Corrosion-resistant locks and hinges.
- 5 oil could be drained via valve and a hose
- 6 Exhaust system in the canopy.
- 7 special large access doors for easy

maintenance

- 8 in front and back side special large access

doors for easy maintenance

- 9 Base frame -fuel tank.
- 10 Lifting points similar to ISO container , located on

each top corner of the canopy.

- 11 the cap on the canopy provides easy access to

radiator cap.

- 12 sound proofing materials
- 13 Plastic air intake pockets.

Introduction

Sound-attenuated and Weather-protective Enclosures Sound-attenuated and weather protective enclosures for generating sets , meet event the sound requirements and provide optimum protection from inclement weather and development by our specialist acoustic engineers. Our modular designed sound insulated canopies provide ease of access for servicing and general maintenance and interchangeable components permitting on-site repair. Enclosures are designed to optimize genset cooling performance, providing you with confidence that genset ratings and ambient capability.

Standard Specifications

Compact footprint, low profile design.

Enclosure, generator set, exhaust system and fuel tank are pre-ssembled, pre-integrated and shipped as one package

Body made from steel components treated with polyester powder coating

Fire retardant foam insulation

Easy access to all service points

Exhaust system inside canopy

Large doors on each side

Control panel viewing window in a lockable access door

Emergency stop push button mounted on enclosure exterior

Cooling fan and battery charging alternator fully guarded

Fuel fill and battery can only be reached via lockable access doors.

Lifting points on the top of canopy and base frame

Customer options available to meet your applications needs.

Katana makes its generating sets' noise level tests in accordance with directive 2000/14/EC validation of the noise level test has been approved by the notified body Szutest

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