# SR-25

DIESEL GENERATING SET • 50 Hz




| 25 kVA | 22.7 kVA | 400/230 V | 1500 rpm |
|---|---|---|---|
| STANDBY / 20 kW | PRIME / 18.1 kW | RATED VOLTAGE | RATED SPEED |

## Power Ratings

**Continuous Power**

Continuous varying power under constant load. Average load may be 100%; overload is not permitted.

**Standby Power**

Variable-load emergency power, average load 70%, maximum 200 hours/year; overload is not permitted.

**Prime Power**

Continuous variable-load duty, average load 70%; 10% overload permitted for 1 hour every 12 hours.

## STANDARD GENERATOR SET FEATURES

**ENGINE**
Heavy-duty, water-cooled, four-stroke industrial diesel engine.

**COOLING SYSTEM**
Industrial radiator, expansion tank and cooling fan for optimum engine temperature.

**ELECTRICAL SYSTEM**
Complete 12V/24V starting and charging system with battery and cables.

**FUEL SYSTEM**
Integrated base-frame tank; larger and double-walled tanks optionally available.

**LUBRICATION SYSTEM**
Integrated oil pump, filters and oil-pressure protection.

**EXHAUST SILENCER**
Heavy-duty industrial silencer; higher attenuation options available.

**SPECIAL PROJECT SOLUTIONS**
Engineered power solutions with flexible manufacturing.

**SOUND ATTENUATED CANOPY**
Modular galvanized canopy with service access and optimized noise control.

**ALTERNATOR**
4-pole, 3-phase brushless alternator, Class H insulation and AVR regulation.

**FACTORY TEST**
Load-tested before shipment; control and protection functions verified.

**DOCUMENTATION**
Operation/maintenance manuals and electrical wiring diagrams supplied.

**WARRANTY**
Covered against manufacturing defects under applicable warranty terms.

KAZANCI JENERATÖR YAPI İNŞ. SAN. VE TİC. LTD. ŞTİ
+90 212 255 55 72
info@kazancijenerator.com.tr

# SR-25

DIESEL GENERATING SET • 50 Hz

## Engine

| | |
|---|---|
| **Brand / Model** | **Ricardo / ZH490** |
| **Rated Speed** | **1500 rpm** |
| **Standby Power** | **30 kW** |
| **Prime Power** | **24 kW** |
| **Displacement** | **2.67 L** |
| **Cylinders** | **4** |
| **Aspiration** | **Natural** |
| **Cooling** | **Water Cooled** |
| **Injection** | **Direct Injection** |
| **Bore x Stroke** | **90 x 105 mm** |
| **Governor** | **Mechanic** |
| **Fuel Consumption @ 100% Load** | **4.6 L** |
| **Fuel Consumption @ 75% Load** | **3.45 L** |
| **Fuel Consumption @ 50% Load** | **2.4 L** |
| **Oil Capacity** | **6 L** |
| **Coolant Capacity** | **15 L** |
| **Voltage** | **12V** |

## Alternator

| | |
|---|---|
| Rated Voltage | **230 / 400 V** |
| Frequency | **50 Hz** |
| Voltage Regulation | **Automatic ±4%** |
| Engine Regulator | **±1.0%** |
| Standby | **25 kVA** |
| Prime | **22.7 kVA** |
| Power Factor | **0.8** |
| Insulation | **IP21 / H** |
| Excitation | **Self Excited** |

## Optional Alternator Brands

**Leroy-Somer** **Mecc Alte** **STAMFORD**

Available as optional alternator configurations subject to project specification and availability.

## Dimensions & Configuration

| Configuration | Width | Length | Height | Weight | Tank |
|---|---|---|---|---|---|
| Silent / Canopied | 1010 mm | 2200 mm | 1460 mm | 720 kg | 55 L |
| Open Type | 1000 mm | 1950 mm | 1200 mm | 620 kg | 55 L |

## Standard Features

- Antivibration Pads
- Radiator Mounted on the Genset
- Battery Charger
- Charge Alternator
- Datakom D-300 Control Module
- Integrated Fuel Tank up to 1250 kVA
- Oil and Coolant
- Air, Oil and Fuel Filters
- Battery Group and Cables
- Engine Jacket Water Heater
- Starter Motor
- Emergency Stop Button
- Industrial Type Exhaust Silencer
- User & Maintenance Manual

## Optional Features

- 3P or 4P Alternator Protection Circuit Breaker
- 3P or 4P Automatic Transfer Panel
- Fuel-Water Separator
- Oil Heater
- Alternator Winding Heater
- Alternator Temperature Sensors (RTD's)
- Charging Current Ammeter
- Battery Circuit Breaker
- PMG Excitation System
- Control Panel with Analog Gauges
- Set Mounted or Separately Designed Synchronization Systems
- External Fuel Tanks
- Underbase or External Type Double-Walled Fuel Tank
- Automatic Fuel Transfer Pump
- Electrical or Manual Oil Drainage Pump
- Electrical or Manual Air Intake and Exhaust Louvers
- Air Intake Heater
- Remote Cooling System
- Different Voltage and/or Frequency Options
- Modular Type Sound Attenuated Canopy
- Container Type Sound Attenuated Canopy

*SARO Generator reserves the right to modify the specifications and features stated on this page without prior notice as part of its continuous product development policy.*

KAZANCI JENERATÖR YAPI İNŞ. SAN. VE TİC. LTD. ŞTİ +90 212 255 55 72 info@kazancijenerator.com.tr

SARO

# SR-25

DIESEL GENERATING SET • 50 Hz

STANDARD GENSET CONTROLLER

## DATAKOM D-300




Advanced multifunction controller for automatic mains failure, transfer switching, remote/manual start and engine control applications.

### OPERATING FUNCTIONS

AMF unit • ATS unit • Remote start • Manual start • Engine controller • Remote display panel

### COMMUNICATION

USB Device • RS-232 (2400–57600 baud) • J1939-CANBUS • Modbus RTU • Optional 4-band GPRS • GSM geolocation • GPS via RS-232 • Internet Central Monitoring • Rainbow Plus PC software

### MEASUREMENT & DISPLAY

128×64 graphical LCD • Voltage/current waveform display • Harmonic analysis • Detailed power measurements • 400 event logs • Real-time clock • Downloadable language support

### PROTECTION & AUTOMATION

Excess/reverse power • Overload IDMT • Current/voltage unbalance • Load shedding & dummy load • Multiple load management • Service alarms • Automatic exerciser • Weekly schedule • Fuel filling/theft alarms

### ENGINE / GENSET CONTROL

CANBUS-J1939 & MPU • Configurable digital/analog I/O • Speed fine adjust • Automatic fuel pump • Idle speed • Battery charge run • Dual genset mutual standby • Combat mode • Disable protections function

## Optional Controller Alternatives



**DATAKOM D-500**

Synchronizing / load sharing, AMF/ATS and remote monitoring.



**DATAKOM Smart 200**

Compact genset control option for simpler applications.



**Deep Sea DSE7320**

Single-genset AMF, mains monitoring and configurable I/O.



**Deep Sea DSE6120**

Compact AMF control for automatic mains-failure duty.



**ComAp AMF25**

Standby/prime control, remote monitoring and PLC logic.

Optional controllers may require panel, wiring, communications or switchgear changes. Final configuration is confirmed during engineering.

KAZANCI JENERATÖR YAPI İNŞ. SAN. VE TİC. LTD. ŞTİ
+90 212 255 55 72
info@kazancijenerator.com.tr