



# KAPLAN POWER YOUR FUTURE

MANUFACTURING HIGHEST QUALITY GENERATORS

**Powered By: Ricardo**

**Model: KPR 25 | Engine: YSD490D**

**| Controller: D300**

[www.kaplanpower.com](http://www.kaplanpower.com)  
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## Standby Ratings [ESP]

Thee Phase Rating, 50HZ, PF 0.8, Noise Level 75 dBA

| Voltage | KVa | KW |
|---------|-----|----|
| 400/230 | 25  | 20 |

### Standard Features

4 Stroke, 1500 RPM, water cooled heavy duty diesel engine  
 Protection system on Manuel run  
 Flexible oil pipes and oil draining valve  
 Pre-heater  
 Lubrication oil and anti-freeze  
 Batteries and cables  
 Electrostatic paint coated, steel, welded chassis  
 Fuel tank housed in the chassis  
 Industrial type silencer  
 Electronic battery charger  
 Electrical wiring diagram  
 User manual and operating manual  
 Automatic working time 10 second

### Optional Equipment Engine

Remote Radiator Cooling  
 Oil heater  
 Fuel-Water Separator Filter

### Alternator

Main line circuit breaker  
 Anti-Condensation Heater  
 Over sized alternator

### Control System

Remote communication with modem  
 Alarm output relays/ Charge Ammeter  
 Automatic synchronizing

### Others Accessories [Optional]

Automatic transfer switch  
 Remote control and monitoring  
 Alarm system for fuel level  
 Trailer  
 1 Phase - 3 Phase switch plugs  
 1500/3000 hours maintenance kit  
 Tool kit for maintenance  
 Inlet and outlet acoustic baffles  
 Inlet and outlet motorized louvers  
 Main Fuel Tank  
 Supplied with oil and coolant - 30 °C

### Stand By Power

Supplying of emergency electrical power at variable load, in the event of normal utility power failure. This rating is maximum power, no overload capability is available.

### Prime Power

Supplying of electrical power at variable load for an unlimited number of hours in the event of normal utility power failure. 10% over load capability is available.

## Diesel Generator

Model: KPR 25 | Engine: YSD490D  
| Controller: D300

### Diesel Engine Specifications

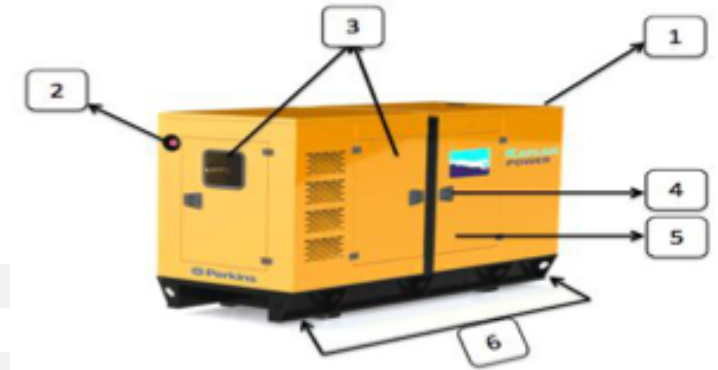
|                                |              |
|--------------------------------|--------------|
| Injectors                      | Direct       |
| Cylinder arrangements          | L            |
| Fuel type                      | Diesel       |
| Cooling water                  | Antifreeze   |
| Oil viscosity                  | SAE 15w40 1. |
| Oil intake                     | CF -4        |
| Low coolant protection         | Yes          |
| Engine over heating protection | Yes          |
| Low oil protection             | Yes          |
| Automatic operation mode       | Yes          |

Replaceable cylinder jacket  
Dry type replaceable oil filter  
Heat-resistant radiator for 50 °C

### Alternator Specifications

|                               |                       |
|-------------------------------|-----------------------|
| Make                          | KAPLAN POWER          |
| Model                         | UC22F                 |
| Short Circuit Current         | > 300%                |
| Frequency                     | 50 Hz                 |
| Power                         | 25 kVa                |
| Number of poles               | 4 Poles               |
| Phase                         | 3P                    |
| Voltage                       | 400/230 V             |
| Current                       | 36 A                  |
| Insulation Class              | H                     |
| Stator                        | 2 / 3 steps           |
| Rotor                         | Single Bearing System |
| Excitation System             | Electronic AVR        |
| Stationary Voltage Regulation | 1% (+/-)              |
| Connection Type               | Star                  |

4 Poles, Self-Excitation, Brushless, Synchron type alternator  
Electronic type automatic voltage regulator (AVR)  
Self Cooled



1. Steel Structures
2. Emergency stop bush button
3. Control panel to be placed both right and front
4. Corrosion resistant locks and hinges
5. Sound proof foam material
6. Base frame tank

### Introduction

Sound proof authenticated and Weather insulated Enclosures for generating sets from Kaplan, meet even 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.

## Diesel Generator

Model: KPR 25 | Engine: YSD490D  
| Controller: D300

### Diesel Engine Specifications

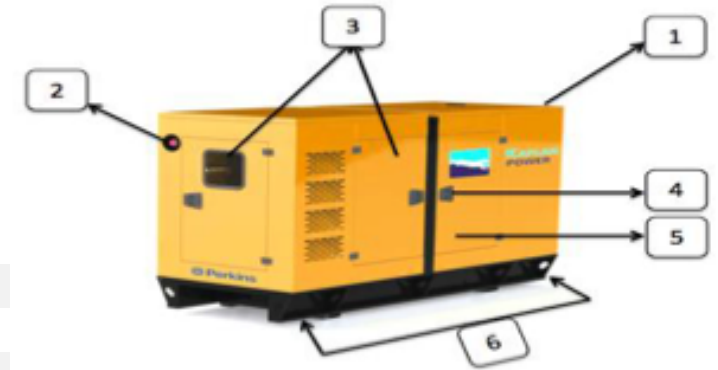
|                          |                    |
|--------------------------|--------------------|
| Manufacturer             | Ricardo            |
| Model                    | YSD490D            |
| No. of Cylinders & Build | 4 Cylinder In Line |
| Aspiration and Cooling   | Water              |
| Maximum output Power     | 30 Kw / 41 hp      |
| Active power             | 20 kw              |
| Total Displacement       | 2,2                |
| Bore & Stroke            | 85x95 mm           |
| Compression Ratio        | 19:01              |
| Rated Speed [RPM]        | 1500 rpm           |
| Governor                 | ELECTRONIC         |
| Oil Capacity             | 5,5 L              |
| Coolant Capacity         | 9 L                |
| Start System             | 12 V D.c.          |
| Fuel Consumption         | %100 - 4,7         |

Replaceable cylinder jacket  
Dry type replaceable oil filter  
Heat-resistant radiator for 50 °C

### Alternator Specifications

|                               |                       |
|-------------------------------|-----------------------|
| Make                          | KAPLAN POWER          |
| Model                         | UC22F                 |
| Short Circuit Current         | > 300%                |
| Frequency                     | 50 Hz                 |
| Power                         | 25 kVa                |
| Design                        | Brushless, 4 Poles    |
| Phase                         | 3P                    |
| Voltage                       | 400/230 V             |
| Current                       | 36 A                  |
| Insulation Class              | H                     |
| Stator                        | 2 / 3 steps           |
| Rotor                         | Single Bearing System |
| Excitation System             | Electronic AVR        |
| Stationary Voltage Regulation | 1% (+/-)              |
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## Standard Specifications

1. Compact footprint, low profile design.
2. Exhaust system inside canopy
3. Large doors on each side
4. Body made from steel components treated with polyester powder coating
5. Lifting points on the base frame
6. Kaplan makes its generating sets' noise level tests in accordance with directive 2000/14/EC validation of the noise level

|                    |    |      |
|--------------------|----|------|
| Width              | mm | 1000 |
| Length             | mm | 2200 |
| Height             | mm | 1600 |
| Standard Fuel Tank | L  | 100  |

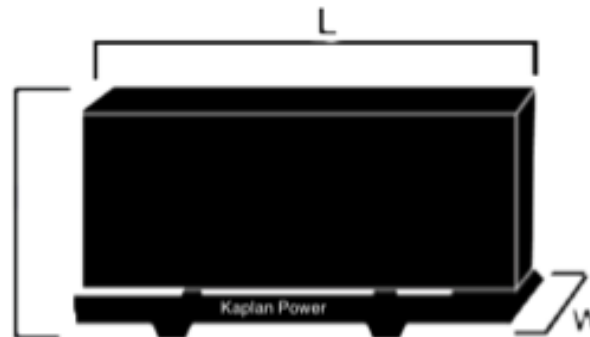
### WARNING

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

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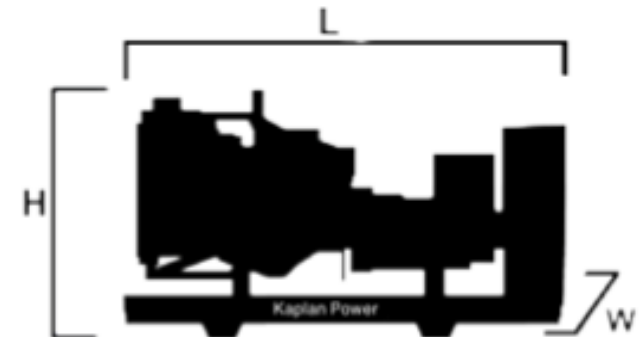
## Dimensions With Canopy Dimensions & Weight

|                    |    |      |
|--------------------|----|------|
| Length (L)         | mm | 2200 |
| Height (H)         | Mm | 1600 |
| Width (W)          | Mm | 1000 |
| Net Weight         | Kg | 700  |
| Standard Fuel Tank | L  | 100  |



## Dimensions Without Canopy Dimensions & Weight

|                    |    |      |
|--------------------|----|------|
| Length (L)         | mm | 2200 |
| Height (H)         | Mm | 1450 |
| Width (W)          | Mm | 1000 |
| Net Weight         | Kg | 700  |
| Standard Fuel Tank | L  | 100  |



## Control Panel Features



- Diesel and gas genset support
- 400Hz operation support
- 400 event logs, full snapshot
- All parameters front panel editable
- 3 level configuration password
- 128x64 graphical LCD display
- Downloadable language
- Waveform display of V & I
- Harmonic analysis of V & I
- Synchroscope & check synch
- Allows closed transfers
- 16Amp MCB & GCB outputs
- 8 configurable digital outputs
- Outputs expandable to 40
- 4 configurable analog inputs
- Both CANBUS-J1939 & MPU
- 3 configurable service alarms
- Multiple nominal conditions
- Multiple automatic exerciser
- Weekly operation schedule
- Dual mutual standby with equal aging of gensets
- Manual "speed fine adjust" on selected ECUs
- Automatic fuel pump control
- 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
- Contactor & MCB drive
- 4 quadrant power counters
- Mains power counters
- Fuel filling counter
- Fuel consumption counter
- Modem & Ethernet diagnostics
- Configurable through USB, RS-485, Ethernet and GPRS
- Free configuration program
- Allows SMS controls
- Ready for central monitoring Ethernet and GPRS
- Mobile genset support
- Automatic GSM geo-location
- GPS connectivity ( USB & RS232 )
- Dynamic DNS support
- Easy USB firmware upgrade
- IP65 rating with standard gaske



**KAPLAN  
POWER**

**Diesel  
Generator**

**Model: KPR 25 | Engine: YSD490D  
| Controller: D300**

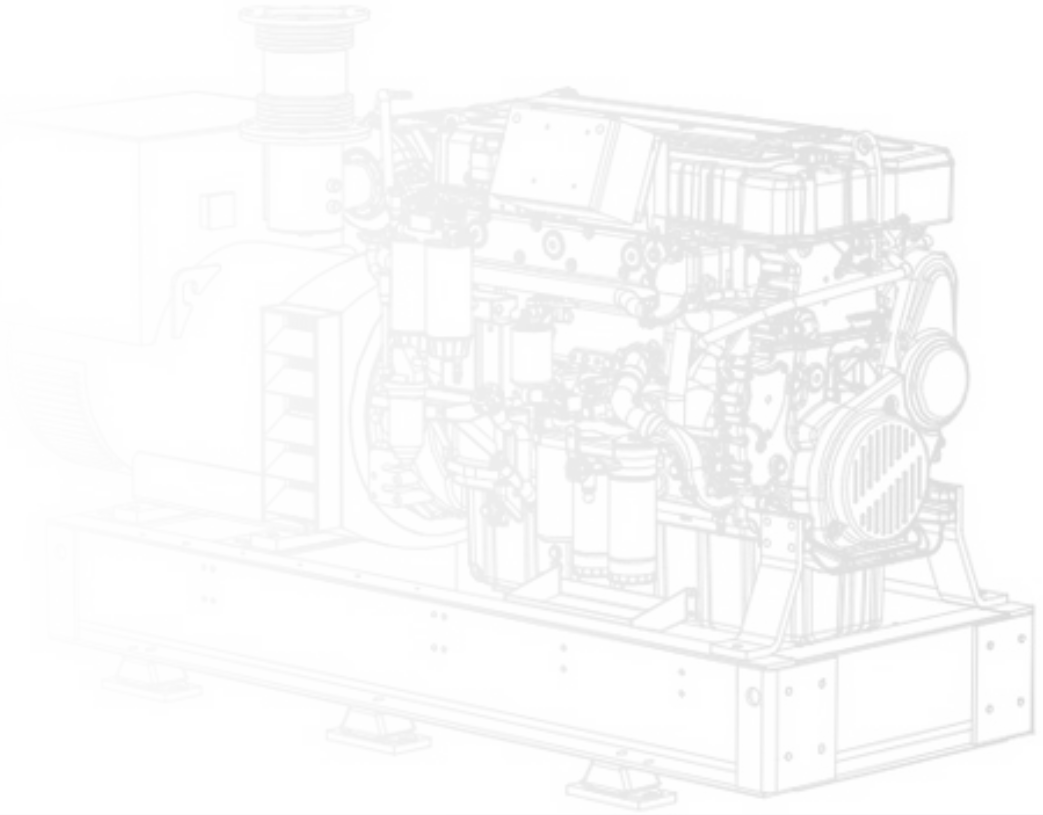
## Optional Features & Accessories

### Double Wall Fuel Tank

- Fiberglass Cladding
- Metric Rod

### Additional Devices

- Device for detecting fuel leaks
- Fuel level detection (OCIO)
- Fuel level detection (OCIO) with Controller for PC



**KAPLAN  
POWER**

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