



| Generator Set |     | Stand by     | Prime |
|---------------|-----|--------------|-------|
| Power         | kVA | 44           | 39,60 |
| Power         | kW  | 35,2         | 31,68 |
| Frequency     | Hz  | 50           |       |
| Voltage       | V   | 230/400      |       |
| Fuel Type     |     | Diesel       |       |
| Control Panel |     | Datakom D309 |       |
| Cabin         |     | AK 10        |       |

### Prime Power (PRP)

According to ISO 8528-1:2005, Prime power is the maximum power which a generating set is capable of delivering continuously whilst supplying a variable electrical load when operated for an unlimited number of hours per year under the agreed operating conditions with the maintenance intervals and procedures being carried out as prescribed by the manufacturer. The permissible average power output (Ppp) over 24 h of operation shall not exceed 70 % of the PRP.

### Emergency Standby Power (ESP):

According to ISO 8528-1:2005, Emergency standby power is the maximum power available during a variable electrical power sequence, under the stated operating conditions, for which a generating set is capable of delivering in the event of a utility power outage or under test conditions for up to 200 h of operation per year with the maintenance intervals and procedures being carried out as prescribed by the manufacturers. The permissible average power output over 24 h of operation shall not exceed 70 % of the ESP.

## Engine

| Service                             | Specifications              |            |
|-------------------------------------|-----------------------------|------------|
| Brand                               | BAUDOUIN                    |            |
| Model                               | 4M06G44/5                   |            |
| Engine Type                         | 4 Stroke - Diesel - In Line |            |
| Injection System                    | Direct                      |            |
| Suction Type                        | Natural                     |            |
| Number of Cylinders                 | 4                           |            |
| Bore and Stroke                     | mm                          | 89x92      |
| Cylinder Volume                     | L                           | 2,3        |
| Cooling Type                        | Water                       |            |
| Compression Ratio                   | 17:05                       |            |
| Fuel Consumption at Stand by Load   | l/h                         | 10,8       |
| 100% Fuel Consumption at Prime Load | l/h                         | 9,5        |
| 75% Fuel Consumption at Prime Load  | l/h                         | 7          |
| 50% Fuel Consumption at Prime Load  | l/h                         | 4,7        |
| Total Oil Capacity                  | L                           | 11,5       |
| Total Cooling Capacity              | L                           | 16         |
| Governor Type                       | Type                        | Electronic |

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

### 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

## Alternator

| Service                         | Specifications |         |
|---------------------------------|----------------|---------|
| Brand                           | KAPLAN POWER   |         |
| Model                           | KPA44          |         |
| Output Voltage                  | V              | 230/400 |
| Frequency                       | HZ             | 50      |
| Automatic Voltage Regulation    | ±%             | 1       |
| Alternator Standby Power        | kVA            | 44      |
| Alternator Continuous Use Power | kVA            | 39,60   |
| Power Factor                    | Cosφ           | 0,8     |
| Number of Cables                | 12             |         |
| Winding Pitch                   | 2/3            |         |
| Protection Class                | IP23/H         |         |
| Warning System                  | Self-excited   |         |
| Execution System                | Electronic AVR |         |
| Performance - PF 0.8 / 75% Load | %              | 93      |

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

### Optional Equipment

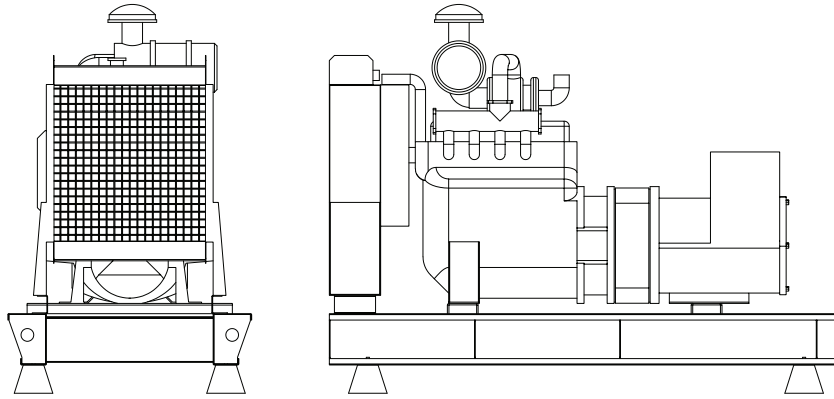
Engine  
Remote Radiator Cooling  
Oil heater  
Fuel-Water Separator Filter

Alternator  
Main line circuit breaker  
Anti-Condensation  
Heater Over sized alternator

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

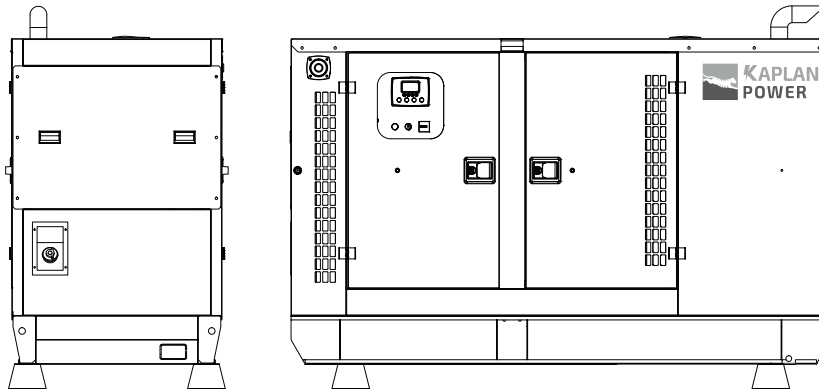
Others Accessories  
Automatic transfer switch  
Remote control and monitoring  
Alarm system for fuel level  
Trailer 1 Phase - 3 Phase switch plugs  
1500/3000 hours maintenance kit  
Tool kit for maintenance  
Inlet and outlet acoustic baffles  
Inlet and outlet motorized louvers  
Main Fuel Tank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

## Dimensions



### Open Type

|                         |    |               |
|-------------------------|----|---------------|
| Lenght x Width x Height | mm | 2200x900x1050 |
| Weight                  | kg | 650           |
| Fuel Tank Capacity      | lt | 80-100        |



### Canopied

|                         |       |                |
|-------------------------|-------|----------------|
| Lenght x Width x Height | mm    | 2200x1000x1600 |
| Weight                  | kg    | 845            |
| Fuel Tank Capacity      | lt    | 80-100         |
| Desibel                 | db(A) | 65-75          |

### Sound Proof Canopy Specifications

- Special design for minimizing acoustic level
- Galvanized steel construction further protected by polyester powder coat paint
- Black finish stainless steel locks and hinges
- Control panel viewing window in a lockable access door
- Emergency stop push button (red) mounted on enclosure exterior
- Lifting, drag and jacking points on base frame
- Radiator fill via removable, flush mounted rain cap fitted with compression seal

## OPTIONAL GENSET CONTROLLERS

Next generation single gen-set controllers for Stand-by and Prime power applications combining multi-functionality and wide communication with EFI engines.

Datakom DKG 309



Datakom D500



Datakom D500-GSM



EMKO Trans-AUTO



DEEPSEA 7320



ComAp AMF25



|                                                  | Datakom<br>DKG 309 | Datakom<br>D500 | Datakom<br>D500-GSM | Deepsea<br>6120 | Deepsea<br>7320 | ComAp<br>AMF25 | EMKO<br>Trans-AUTO |
|--------------------------------------------------|--------------------|-----------------|---------------------|-----------------|-----------------|----------------|--------------------|
| Automatic Mains Monitoring                       | ✓                  | ✓               | ✓                   | ✓               | ✓               | ✓              | ✓                  |
| Manuel Start                                     | ✓                  | ✓               | ✓                   | ✓               | ✓               | ✓              | ✓                  |
| Remote Start                                     | OPTIONAL           | OPTIONAL        | ✓                   | <b>X</b>        | OPTIONAL        | OPTIONAL       | OPTIONAL           |
| Remote Monitoring With Sim Card                  | <b>X</b>           | OPTIONAL        | OPTIONAL            | OPTIONAL        | OPTIONAL        | OPTIONAL       | OPTIONAL           |
| 1 Additional Option (Horn, Oil-Fuel Heater Etc.) | ✓                  | ✓               | ✓                   | ✓               | ✓               | ✓              | ✓                  |
| Light Warning And Mimic Diagram                  | ✓                  | ✓               | ✓                   | ✓               | ✓               | ✓              | ✓                  |
| Battery Charger                                  | ✓                  | ✓               | ✓                   | ✓               | ✓               | ✓              | ✓                  |
| Rs-485 Communication                             | OPTIONAL           | ✓               | ✓                   | <b>X</b>        | ✓               | OPTIONAL       | ✓                  |
| Ethernet (Tcp-Ip) Communication                  | <b>X</b>           | ✓               | ✓                   | <b>X</b>        | OPTIONAL        | OPTIONAL       | OPTIONAL           |

## GENSET CONTROLLERS FOR SYNCHRONIZATION SYSTEMS

Next generation synchronizing genset controller capable of every communication and functionality.

Datakom D500 MK2



Datakom D700



DEEPSEA 8610



DEEPSEA 8620



DEEPSEA 8660



ComAp IntelliCompact NT SPtM



ComAp IntelliGen BaseBox



ComAp IntelliGen 200

