

## General Performance Data

|                  |               |               |
|------------------|---------------|---------------|
| Engine           | Brand         | SDEC          |
|                  | Model         | 6ETAA11.8-G22 |
| Control module   | DEEP SEA 6120 |               |
| Starting voltage | V             | 12V           |
| Frequency        | Hz            | 50            |
| Number of phases | 3             |               |

|                    | Prime   | Standby         |
|--------------------|---------|-----------------|
| Power kVA          | 275     | 300             |
| Power kW           | 220     | 240             |
| Rated speed        | r.p.m   | 1500            |
| Standard voltage   | V       | 400 230         |
| Available voltages | V       | 380/220 415/240 |
| Power factor       | Cos Phi | 8               |

## Open



| Dimension  |    |      |
|------------|----|------|
| Length (L) | mm | 3210 |
| Height (H) | mm | 1765 |
| Width (W)  | mm | 1185 |
| Weight     | Kg | 2700 |
| Fuel Tank  | L  | 500  |

## Silent



| Dimension  |    |      |
|------------|----|------|
| Length (L) | mm | 4153 |
| Height (H) | mm | 2112 |
| Width (W)  | mm | 1354 |
| Weight     | Kg | 3200 |
| Fuel Tank  | L  | 550  |

## Fuel Consumption

| Rated Output | g/KW.h | L/h  |
|--------------|--------|------|
| 100% Standby | 0000   | 75.0 |
| 100% Prime   | 0000   | 70.0 |
| 75% Prime    | 0000   | 52.0 |
| 50% Prime    | 0000   | 37.5 |
| 25% Prime    | 0000   | 0000 |

## Standards Followed

|          |          |
|----------|----------|
| ISO9001  | ISO14001 |
| ISO8528  | ISO12100 |
| ISO13849 | EN12601  |
| GB12786  | GB/T2820 |
| IEC60034 | IEC60204 |
| CE       | RETIE    |

## General Engine Data

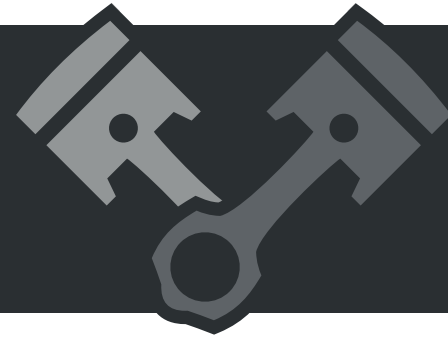
|                                     |                        |         |
|-------------------------------------|------------------------|---------|
| Engine brand                        | SDEC                   |         |
| Engine ref.                         | 6ETAA11.8-G22          |         |
| Engine type                         | 4-stroke diesel        |         |
| Governor type                       | Electronic             |         |
| Injection                           | Direct                 |         |
| Aspiration                          | Air-to-air Intercooled |         |
| Number of cylinders and arrangement | 6 - L                  |         |
| Bore and stroke                     | mm                     | 128x153 |

|                                     |                 |      |
|-------------------------------------|-----------------|------|
| Displacement                        | L               | 11.8 |
| Cooling system                      | Water           |      |
| Lube oil consumption with full load | 0.5%-1% of fuel |      |
| Compression ratio                   | 17:1            |      |
| Engine oil capacity                 | L               | 41   |
| Total coolant capacity              | L               | 23.2 |
| Air filter                          | Type            | Dry  |

|                        |                          |
|------------------------|--------------------------|
| Diesel engine          | Dry air filter           |
| 4-stroke cycle         | Radiator with pusher fan |
| Water-cooled           | Electronic governor      |
| 12V electrical system  | Hot parts protection     |
| Water separator filter | Moving parts protection  |

### Optionals

|                             |
|-----------------------------|
| Water jacked heater         |
| Radiator water level sensor |
| Oil heater                  |
| Heavy duty air filter       |



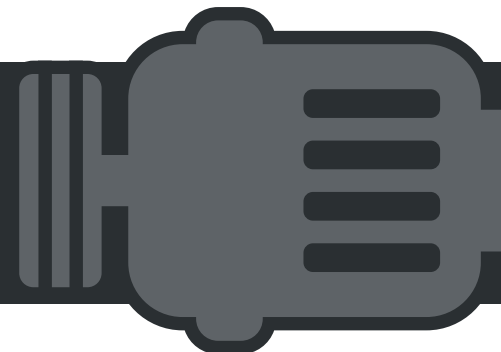
## Alternator Specifications

|                                |              |  |
|--------------------------------|--------------|--|
| Brand                          | Stamford/AGG |  |
| Number of phase                | 3            |  |
| Power factor                   | 0.8          |  |
| Poles                          | 4            |  |
| Winding Connections (standard) | Star- Series |  |
| Insulation                     | H class      |  |
| Enclosure (according IEC-34-5) | IP23         |  |

|                   |                                |  |
|-------------------|--------------------------------|--|
| Model             | KK314B                         |  |
| Excitation system | Auxiliary coil brush-          |  |
| Voltage regulator | Electronic                     |  |
| No. of bearings   | Single Bearing                 |  |
| Coupling system   | Flexible disc                  |  |
| Coating type      | Standard (Vacuum impregnation) |  |

### Optionals

|                                 |                                    |
|---------------------------------|------------------------------------|
| Self-excited and self-regulated | Alternator pre-heater              |
| IP23 protection                 | Winding temp. measuring instrument |
| H class insulation              | PMG / AREP / MAUX                  |



## Application Data

### Fuel system

|                         | Open | Silent |
|-------------------------|------|--------|
| Fuel oil specifications | 500  | 550    |

|                             |   |        |
|-----------------------------|---|--------|
| Standard fuel tank capacity | L | DIESEL |
|-----------------------------|---|--------|

### Air system

|                 |     |            |
|-----------------|-----|------------|
| Intake air flow | L/s | 9.1 m3/min |
|-----------------|-----|------------|

|                  |                   |              |
|------------------|-------------------|--------------|
| Cooling air flow | m <sup>3</sup> /s | 304.5 m3/min |
|------------------|-------------------|--------------|

### Exhaust system

|                             |    |     |
|-----------------------------|----|-----|
| Maximum exhaust temperature | °C | 600 |
|-----------------------------|----|-----|

|                  |     |            |
|------------------|-----|------------|
| Exhaust gas flow | L/s | 71.2m3/min |
|------------------|-----|------------|

|                               |     |   |
|-------------------------------|-----|---|
| Maximum allowed back pressure | kPa | 6 |
|-------------------------------|-----|---|

### Starting system

|                |    |     |
|----------------|----|-----|
| Starting power | kW | 7.5 |
|----------------|----|-----|

|                     |    |               |
|---------------------|----|---------------|
| Recommended battery | Ah | 180Ah(720CCA) |
|---------------------|----|---------------|

|                     |  |   |
|---------------------|--|---|
| Number of batteries |  | 1 |
|---------------------|--|---|

|                   |     |     |
|-------------------|-----|-----|
| Auxiliary voltage | Vdc | 24V |
|-------------------|-----|-----|

## Genset version

Steel chasis

Emergency stop button

Anti-vibration shock absorbers

Chassis with integrated fuel tank

Fuel level gauge

High mechanical strength

Epoxy polyester powder coating

Fuel tank drain plug

Steel residential silencer - 20dbA attenuation

Battery charger

### Optionals

Trailer type

 Water-cooled

 Three phase

 50 Hz

 Diesel

 Dual-wall fuel tank

Optional

## Standard reference conditions

Ambient conditions of reference according to ISO 8528-1:2018 normative: 1000 mbar, 25°C, 30% relative humidity.

Weights and dimensions based on standard products. Illustrations may include optional equipment. Technical data described in this catalogue correspond to the available information at the moment of printing.

## Control Panel Data

| Features of the control panel      | Basic Model (Standard) | Advanced Model (Optional) |
|------------------------------------|------------------------|---------------------------|
| Voltage between phases             | o                      | o                         |
| Voltage between neutral and phase  | o                      | o                         |
| Current intensities                | o                      | o                         |
| Frequency                          | o                      | o                         |
| Apparent power (kVA)               | o                      | o                         |
| Active power (kW)                  | o                      | o                         |
| Reactive power (kVAr)              | o                      | o                         |
| Power factor                       | o                      | o                         |
| Voltage between phases             | o                      | o                         |
| Emergency stop                     | o                      | o                         |
| Binary inputs                      | 6/6                    | 7/7                       |
| Analog inputs                      | 3                      | 3                         |
| 2x10A Current outputs              | o                      | -                         |
| I/O Configuration                  | o/o                    | o/o                       |
| D+ Function                        | o/o                    | o/o                       |
| Speed sensor                       | o/o                    | o                         |
| Amf/Mrs                            | o                      | o                         |
| GCB/MCB                            | o                      | o                         |
| 3ph voltage measurement Gen./Mains | o                      | o                         |
| 3ph current measurement            | o                      | o                         |
| kW / kWh / kVA                     | o                      | o                         |
| Engine reading                     | o                      | o                         |
| Engine protection                  | o                      | o                         |
| Alternator protection              | o                      | o                         |
| Earth current protection           | o                      | o                         |
| History file                       | 150                    | 350                       |
| RTC/Battery                        | o/-                    | o/o                       |
| PLC                                | -                      | -                         |
| 4G                                 | x                      | -                         |
| Airgate                            | -                      | x                         |
| ECU CAN                            | o                      | o                         |
| MODBUS                             | x                      | x                         |
| MODBUS IP                          | x                      | x                         |
| SNMP                               | -                      | x                         |
| SNMP TRAPS                         | -                      | -                         |
| RS232                              | x                      | x                         |
| RS485                              | x                      | x                         |
| GSM/GPRS modem                     | x                      | x                         |
| Remote screen                      | x                      | x                         |
| Software for PC                    | x                      | x                         |

Standard: o    Optional: x    Not Available: -