

## General Performance Data

Engine	Brand	SDEC
	Model	4ZTAA4.1-G21
Control module	DEEP SEA 4520	
Starting voltage	V	12V
Frequency	Hz	50
Number of phases	3	

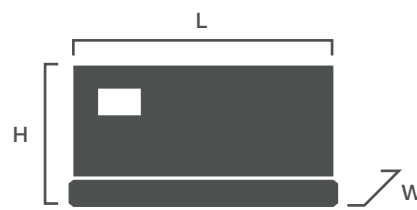
	Prime	Standby
Power kVA	68	75
Power kW	54	60
Rated speed	r.p.m	1500
Standard voltage	V	400 230
Available voltages	V	380/220 415/240
Power factor	Cos Phi	8

## Open



Dimension			
Length (L)	mm	1800	
Height (H)	mm	1490	
Width (W)	mm	960	
Weight	Kg	1150	
Fuel Tank	L	160	

## Silent



Dimension			
Length (L)	mm	2518	
Height (H)	mm	1250	
Width (W)	mm	1054	
Weight	Kg	900	
Fuel Tank	L	130	

## Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	17.7
100% Prime	0000	16.2
75% Prime	0000	12.3
50% Prime	0000	8.5
25% Prime	0000	0000

## Standards Followed

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

## General Engine Data

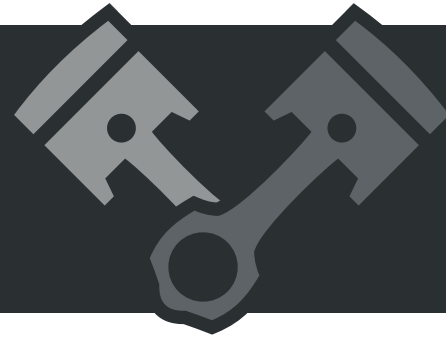
Engine brand	SDEC		Displacement	L	4.1
Engine ref.	4ZTAA4.1-G21		Cooling system	Water	
Engine type	4-stroke diesel		Lube oil consumption with full load	0.5%-1% of fuel	
Governor type	Electronic		Compression ratio	18:1	
Injection	Direct		Engine oil capacity	L	10
Aspiration	Turbo charged		Total coolant capacity	L	18.24
Number of cylinders and arrangement	4 - L		Air filter	Type	Dry
Bore and stroke	mm	105x118			

Diesel engine  
 4-stroke cycle  
 Water-cooled  
 12V electrical system  
 Water separator filter

Dry air filter  
 Radiator with pusher fan  
 Electronic governor  
 Hot parts protection  
 Moving parts protection

### Optionals

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



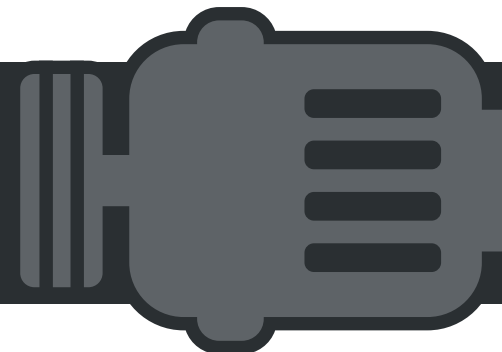
## Alternator Specifications

Brand	Stamford/AGG	Model	KK224F
Number of phase	3	Excitation system	Auxiliary coil brush-
Power factor	0.8	Voltage regulator	Electronic
Poles	4	No. of bearings	Single Bearing
Winding Connections (standard)	Star- Series	Coupling system	Flexible disc
Insulation	H class	Coating type	Standard (Vacuum impregnation)
Enclosure (according IEC-34-5)	IP23		

### Optionals

Self-excited and self-regulated  
 IP23 protection  
 H class insulation

Alternator pre-heater  
 Winding temp. measuring instrument  
 PMG / AREP / MAUX



## Application Data

Fuel system	Open	Silent
Fuel oil specifications	160	130
Standard fuel tank capacity	L	DIESEL

Air system		
Intake air flow	L/s	ND
Cooling air flow	m <sup>3</sup> /s	ND

Exhaust system		
Maximum exhaust temperature	°C	550
Exhaust gas flow	L/s	13.6m <sup>3</sup> /min
Maximum allowed back pressure	kPa	10

Starting system		
Starting power	kW	3,8
Recommended battery	Ah	100Ah(680CCA)
Number of batteries		1
Auxiliary voltage	Vdc	12V

## Genset version

Steel chasis	High mechanical strength
Emergency stop button	Epoxy polyester powder coating
Anti-vibration shock absorbers	Fuel tank drain plug
Chassis with integrated fuel tank	Steel residential silencer - 20dbA attenuation
Fuel level gauge	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: -