



General Performance Data

Engine	Brand	SDEC
	Model	6ETAA12.8-G31
Control module	DEEP SEA 6120	
Starting voltage	V	12V
Frequency	Hz	50
Number of phases	3	

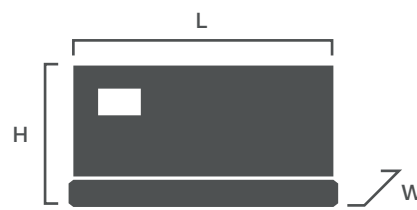
	Prime	Standby	
Power kVA	450	500	
Power kW	360	400	
Rated speed	r.p.m	1500	
Standard voltage	V	400	230
Available voltages	V	380/220	415/240
Power factor	Cos Phi	8	

Open



Dimension			
Length (L)	mm	3210	
Height (H)	mm	1805	
Width (W)	mm	1190	
Weight	Kg	3150	
Fuel Tank	L	700	

Silent



Dimension			
Length (L)	mm	4376	
Height (H)	mm	2257	
Width (W)	mm	1554	
Weight	Kg	4100	
Fuel Tank	L	700	

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	98.0
100% Prime	0000	72.0
75% Prime	0000	65.5
50% Prime	0000	45.8
25% Prime	0000	0000

Standards Followed

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

General Engine Data

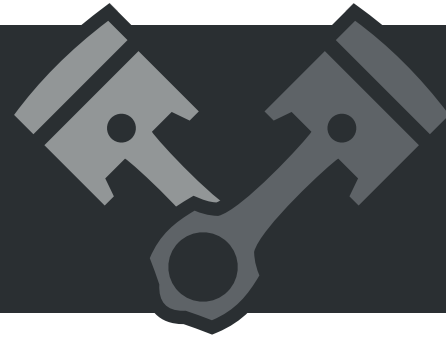
Engine brand	SDEC
Engine ref.	6ETAA12.8-G31
Engine type	4-stroke diesel
Governor type	Electronic
Injection	Dierect
Aspiration	Turbo Intercooled
Number of cylinders and arrangement	6 - L
Bore and stroke	mm 130x161

Displacement	L	12.8
Cooling system	Water	
Lube oil consumption with full load	0.5%-1% of fuel	
Compression ratio	17:1	
Engine oil capacity	L	36
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



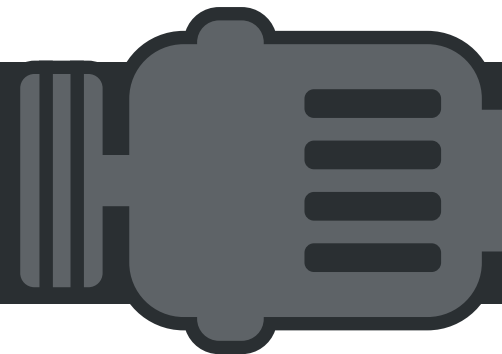
Alternator Specifications

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	KK314K
Excitation system	Auxiliary coil brus-
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	700	700
Standard fuel tank capacity	L	DIESEL

Air system		
Intake air flow	L/s	
Cooling air flow	m ³ /s	10.6 m ³ /min

Exhaust system		
Maximum exhaust temperature	°C	600
Exhaust gas flow	L/s	
Maximum allowed back pressure	kPa	10

Starting system		
Starting power	kW	7.5
Recommended battery	Ah	180Ah(720CCA)
Number of batteries	2	
Auxiliary voltage	Vdc	24V

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: -