

General Performance Data

Engine	Brand	SDEC
	Model	4HTAA4.3-G21
Control module	DEEP SEA 4520	
Starting voltage	V	24V
Frequency	Hz	50
Number of phases	3	

		Prime	Standby
Power kVA		100	110
Power kW		80	88
Rated speed	r.p.m	1500	
Standard voltage	V	220	127
Available voltages	V	440	254
Power factor	Cos Phi	8	

Open



Dimension			
Length (L)	mm	2200	
Height (H)	mm	1533	
Width (W)	mm	1056	
Weight	Kg	1094	
Fuel Tank	L	200	

Silent



Dimension			
Length (L)	mm	2578	
Height (H)	mm	1634	
Width (W)	mm	1056	
Weight	Kg	1311	
Fuel Tank	L	200	

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	25.9
100% Prime	0000	23
75% Prime	0000	17.1
50% Prime	0000	11.8
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.	4HTAA4.3-G21
Engine type	4-stroke diesel
Governor type	Electronic
Injection	Dierect
Aspiration	Turbo charger
Number of cylinders and arrangement	4 - L
Bore and stroke	mm 105x124

Displacement	L	4.5
Cooling system		Water
Lube oil consumption with full load		0.5%-1% of fuel
Compression ratio		16:1
Engine oil capacity	L	12
Total coolant capacity	L	20
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



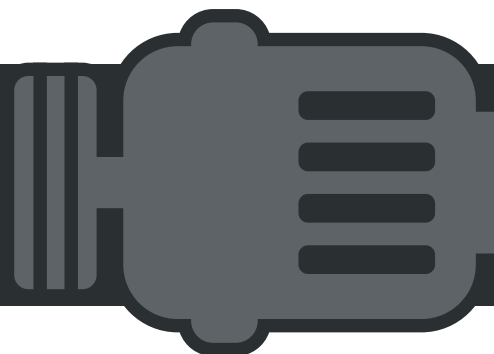
Alternator Specifications

Brand	Stamford
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	UCI 274
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	200	200
Standard fuel tank capacity	L	DIESEL

Air system		
Intake air flow	L/s	300
Cooling air flow	m³/s	2532

Exhaust system		
Maximum exhaust temperature	°C	600
Exhaust gas flow	L/s	332
Maximum allowed back pressure	kPa	10

Starting system		
Starting power	kW	4.5
Recommended battery	Ah	95/110
Number of batteries		1
Auxiliary voltage	Vdc	12

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: -