UPBUD 22

Industrial Range
Powered by SDEC
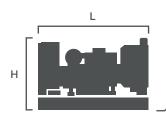
General Performance Data

Engine	Brand	SDEC
	Model	4Z2.7-G21

Control module		DEEP SEA 4520
Starting voltage	V	12V
Frequency	Hz	50
Number of phases		3

			Prime	Standby
Power kVA			20	22
Power kW			16	17,6
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	1850
Height (H)	mm	1162
Width (W)	mm	900
Weight	Kg	565
Fuel Tank	L	100

Silent

Dimension		
Length (L)	mm	2238
Height (H)	mm	1323
Width (W)	mm	900
Weight	Kg	738
Fuel Tank	L	100

Fuel Consumption

Rated Output	g/KW.h	L/h
100% Standby	0000	6.5
100% Prime	0000	5.9
75% Prime	0000	4.5
50% Prime	0000	3.2
25% Prime	0000	0000

Standards Followed

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

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General Engine Data

Engine brand		SDEC	Displacement	L	2,7
Engine ref.		4Z2.7-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		18:01
Injection		Dierect	Engine oil capacity	L	8
Aspiration		normally aspirated	Total coolant capacity	L	15
Number of cylinders and arrangement		4 - L	Air filter	Type	Dry
Bore and stroke	mm	90x105			

		Optionals
Diesel engine	Dry air filter	
4-stroke cycle	Radiator with pusher fan	Water jacked heater
Water-cooled	Electronic governor	Radiator water level sensor
12V electrical system	Hot parts protection	Oil heater
Water separator filter	Moving parts protection	Heavy duty air filter

Alternator Specifications

Brand		Stamford	Model	BCI24
Number of phase		3	Excitation system	Auxiliary coil brus-
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		Alternator pre-heater
IP23 protection		Winding temp. measuring instrument
H class insulation		PMG / AREP / MAUX

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Application Data

Fuel system		Open	Silent
Fuel oil specifications		100	100
Standard fuel tank capacity	L		DIESEL

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

Air system		
Intake air flow	L/s	310
Cooling air flow	m³/s	6442

Starting system		
Starting power	kW	3,8
Recommended battery	Ah	95/110
Number of batteries		1
Auxiliary voltage	Vdc	12

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, 25ºC, 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.

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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: **-**

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