FA POWER

SDEC Generator FA22SD

4Z2.7-G11

Prime Power: 22KW/20KVA

Standby Power: 24KW/22KVA



GENERATING POWER SOLUTIONS

Increased availability for new operations
Reliable, robust and versatile generator.
Ready to deliver power for a next job.

Increased uptime during operations
Once installed on the end-user-site, the generator will be ready to run: "peace of mind" operation.

Reduced transport and installation costs
The compact and robust design with integrated transport features enables faster and safer transport and installation.

Reduced service & maintenance costs
Longer service intervals.
Quicker and more efficient service jobs.

Premium resale value
Designed and built to last.

FA POWER

SDEC Series

10KVA--1100KVA

SDEC

SARL FA POWER

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Technical Data

FA 22 SD

Model		FA22SD
Rated prime power	kva	20
Rated standard power	kva	22
Rated voltage line to line	V	400/230
Rated current	A	81
Maximun sound level	dB(@7m)	96

Engine-SDEC		
Model		4Z2.7-G11
Aspiration	Inline, four strokes, four valves, water cooled, pressurized and intermediate cooled	
Fuel system	North oil straight line AD pump	
No. cylinders		4 in line
Displacement	Liquid	4.3
Bore*Stroke	mm	105*124
Compression ratio		17.3 : 1
Rated speed	r/min	1500
Rated net power(with fan)	Kw	51
Governor type		E
Start Motor	V	24V×4.5kW

Exhause System		
Exhause gas flow	m³/min	10.2
Exhause gas temp	℃	600
Max back pressure	kPa	6

Aspiration System		
Max inlet pressure	kPa	6
Air flow	m³/min	4.5
Fan consumption	KW	2

Fuel System		
100% load(Prime power)	L/h	12.8
75% load(Prime power)	L/h	9.7
50% load(Prime power)	L/h	7.3
Fuel tank capacity	L	120

Lubrication System		
Oil capacity	L	13
Oil consumption	g/kwh	/
Lub. Method		/
(continuous operation)		

Cooling System		
Coolant capacity	L	6.8
Thermostat operation range	℃	82-95
Max water temperature	℃	104

Alternator		
Model	FA POWER	KAL184A1
	STAMFORD	UCI224E
Phase		3
Voltage	V	400/230
Wiring Type		3 Phase 4 wire, Y type
Bearing		1
Power factor		0.8
Frequency	Hz	50
Prime power	KW	48
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H/H
Altitude	m	≤1000

Controller-DEEPSEA

Model DSE6120MK3

Protective functions:

- Low oil pressure
- High water temperature
- High/low voltage
- High Engine Temperature and Overspeed.
- Voltage regulator frequency regulator
- Emergency stop
- Start failure



Control Module Options





- Auto generator control module
- Control module with" Three Remote Control" functions
- ATS auto load transfer screen
- Synchronising control modules
- Power output cabinet

Standard Features

Engine(SDEC)	●
Radiator 50°C max,fans are driven by bel	●
24V charge alternator	●
Alternator: single bearing alternator IP23, insulation class H/H	●
Standard auto control system	●
One set of air filter, fuel filter, oil filter	●
Main line circuit breaker/MCCB	●
Base fuel tank	●
Two 24V batteries, rac and cable	●
Exhaust system(Ripple flex exhaust pipe, exhaust siphon, flange, muffler	●
User manual	●

Options

Battery charge	○
Engine heater	○
Alternator heater	○
PMG	○
Water oil separator	○
Daily fuel tank	○
Remote control panel	○
Automatic transfer switch/ATS	○
Switch box	○

Standard: ● Options:○

Warranty*

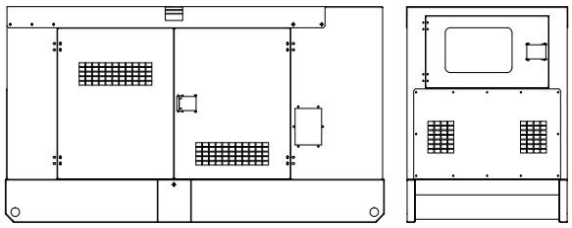
SDEC Engine

24 months from date of purchase and 1500 hours.

Generator

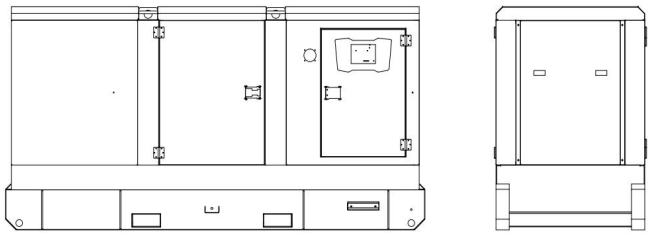
24 months from date of purchase or 1500 hours (whichever occurs first).

Unit Dimensions(Basic unit)



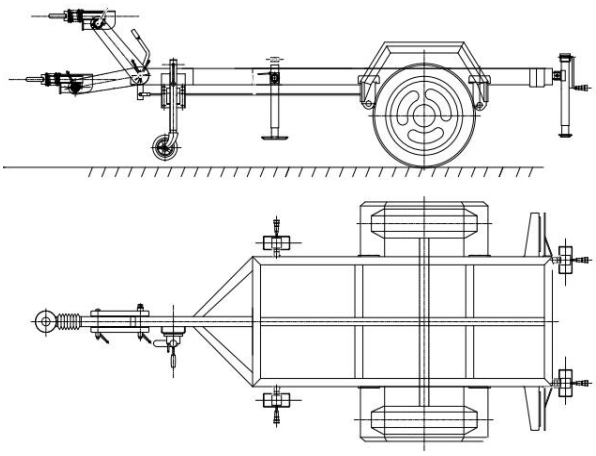
Denyo Silent Type

L*W*H	mm	1850*800*1180
Weight	kg	780



Atlas Silent Type

L*W*H	mm	2538*1000*1450
Weight	kg	1200



Trailer Option

L*W*H	mm	3400*1750*950
Max loading weight	kg	1300