

## 77 kVA - 110 kVA

### ENGINE

- G-Drive Series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged / turbocharged & air to air charge cooled
- Direct injection
- Mechanic / electronic governor system
- 12 / 24 volt self-starter and charger alternator
- Changeable air, fuel and oil filter
- Tropical type radiator
- Flexible fuel pipe
- Oil discharge valve and extension pipe
- Industrial type silencer, exhaust spiral or compensator
- Maintenance free battery
- Engine jacket water heater (In automatic models)
- Maintenance and operating instructions

### ALTERNATOR

- Brushless, single bearing
- H Class insulation type
- IP21-23 Protection class
- Self exciter
- Automatic voltage regulator
- 2/3 Pitch factor windings
- 4 Poles

### AUTOMATIC CONTROL PANEL

- LCD display screen
- Hardware and materials needed
- Battery charger
- USB port & RS-485 output

### QUALITY STANDARD DIRECTIVES

- 2006/42/EC (Machinery Directive)
- 2014/30/EC (EMC Directive)
- 2014/35/EC (Low Voltage Directive)
- 2000/14/EC (Noise Emission Directive)

### CANOPY / CONTAINER

- Modular type sound-proof canopy / container
- Easy installation type without welding canopy
- Epoxy and polyester powder painted canopy
- Canopy designed for easy maintenance
- Lockable doors on both sides of canopy
- Emergency stop button
- Transparent panel inspection window

### PROTECTION & ALARMS

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level
- Over current load
- High & low genset voltage
- Start / stop failure

### OPTIONAL EQUIPMENTS

- Charge ampmeter
- Circuit breakers (In automatic models)
- Residential / Critical type silencer
- Sound-proof canopy or container
- Mobile trailer and truck installation
- Synchronization panel for 2-32 gensets
- 3 pole / 4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Anticondensation heater
- Fuel automation systems
- Different IP and Insulation class alternator
- PMG

### INTERNATIONAL QUALITY STANDARD

- EN12601, EN60204, EN12100, EN61000, EN55011
- TS ISO 8528, TS ISO 3744, TS ISO 3746, TS ISO 13857
- EN60034, EN55014, ISO 3046, BS5000, IEC 60034
- VDE 0530, BSE 4999, EN60335, IEC 60335-1:2004



Easy maintenance canopy design



Refilling from the outside of the canopy



Canopy made of galvanized steel



Warning system for decreasing fuel with electronic fuel level sender

MODEL				N SD XX 0077	N SD XX 0100	N SD XX 0110
GROUP	GEN-SET POWER	STAND BY	kVA	77	100	110
			kW	62	80	88
		PRIME	kVA	69	90	99
			kW	55	72	79
	CANOPY DIMENSION (W x L x H) mm			1000 x 2880 x 1610	1000 x 2880 x 1610	1050 x 3180 x 1870
	CANOPY WEIGHT kg			1175	1225	1510
	OPEN DIMENSION (W x L x H) mm			1000 x 2400 x 1510	1000 x 2400 x 1510	1050 x 2700 x 1550
	OPEN WEIGHT			955	1005	1270
ENGINE	BRAND			SDEC	SDEC	SDEC
	TYPE			SC4H95D2	SC4H115D2	SC4H160D2
	POWER	STAND BY	kW	64	82	110
		PRIME	kW	58	74	99
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			4,3	4,3	4,3
	NUMBER OF CYLNDERS			4 IN LINE	4 IN LINE	4 IN LINE
	BORE x STROKE (mm x mm)			105 X 124	105 X 124	105 X 124
	COMPRESSION RATIO			17,3 : 1	17,3 : 1	16,0 : 1
	GOVERNOR TYPE			ELECTRONIC	RSV	ELECTRONIC
	INDUCTION			TURBOCHARGED	TURBOCHARGED	TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			Direct	Direct	Direct
	COOLING SYSTEM			WATER	WATER	WATER
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		14,8	20,2	25
		%75 PRIME POWER		11	15,2	16,7
		%50 PRIME POWER		7,5	10,3	12,8
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			13	13	13
	TOTAL COOLANT CAPACITY (lt)			6,8	6,8	6,8
	FUEL TANK CAPACITY (lt)					

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