

## 0093 kVA - 0125 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 2015:EC8 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 OP XX 0093	N OP XX 0110	N OP XX 0125
GROUP	GEN-SET POWER	STAND BY	kVA	93	110	125
			kW	68,0	80,0	88,0
		PRIME	kVA	75,0	90,0	100,0
			kW	60,0	72,0	80,0
	CANOPY DIMENSION (W x L x H) mm			900x2500x1800	1000x2500x1900	1000x2900x1900
	CANOPY WEIGHT kg			1220	1300	1550
	OPEN DIMENSION (W x L x H) mm			900x2200x1700	1000x2200x1800	1000x2600x1800
	OPEN WEIGHT			1030	1130	1230
ENGINE	BRAND			OPTIMUS	OPTIMUS	OPTIMUS
	TYPE			OPE 4.3 TWE-2	OPE 5.1 TWE	OPE 6.8 TWE-1
	POWER	STAND BY	kW	N/A	N/A	N/A
		PRIME	kW	N/A	N/A	N/A
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			4,5	4,94	6,49
	NUMBER OF CYLNDERS			4	4	6
	BORE x STROKE (mm x mm)			105/130	105/130	105/125
	COMPRESSION RATIO			16:1	16:1	16:1
	GOVERNOR TYPE			ELECTRONIC		
	INDUCTION			TURBOCHARGED		
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		18,5	19	24
		%75 PRIME POWER		13,5	15	18,5
		%50 PRIME POWER		8,7	9	12
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			13	13	15
	TOTAL COOLANT CAPACITY (lt)			20	22	25
	FUEL TANK CAPACITY (lt)			136	184,8	184,8

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