

## 165 kVA - 250 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
- Locakable 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 DO XX 0165	N DO XX 0220	N DO XX 0250
GROUP	GEN-SET POWER	STAND BY	kVA	165	220	250
			kW	132	176	200
		PRIME	kVA	150	200	225
			kW	120	160	180
	CANOPY DIMENSION (W x L x H) mm			1100 x 3300 x 1770	1100 x 3300 x 1770	1100 x 3300 x 1770
	CANOPY WEIGHT kg			2060	2350	2400
	OPEN DIMENSION (W x L x H) mm			1000 x 2500 x 1400	1000 x 2850 x 1400	1000 x 2850 x 1650
	OPEN WEIGHT			1520	1650	1700
ENGINE	BRAND			DOOSAN	DOOSAN	DOOSAN
	TYPE			DP086TA	P086TI	DP086LA
	POWER	STAND BY	kW	199	199	226
		PRIME	kW	177	177	203
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			8,071	8,071	8,071
	NUMBER OF CYLNDERS			6 IN LINE	6 IN LINE	6 IN LINE
	BORE x STROKE (mm x mm)			111 x 139	111 x 139	111 x 139
	COMPRESSION RATIO			16,4 : 1	16,4 : 1	16,4 : 1
	GOVERNOR TYPE			ELECTRONIC		
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED		
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		34	43	46
		%75 PRIME POWER		25	31	35
		%50 PRIME POWER		17	21	24
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			15,5	15,5	15,5
	TOTAL COOLANT CAPACITY (lt)			46	46	46
	FUEL TANK CAPACITY (lt)			140	140	140

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