

## 165 kVA - 290 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 DZ XX 0165	E DT XX 0275	E DT XX 0290	
GROUP	GEN-SET POWER	STAND BY	kVA	165	275	290	
			kW	132	220	232	
		PRIME	kVA	150	250	264	
			kW	120	200	211	
	CANOPY DIMENSION (W x L x H) mm				1050 x 3580 x 1870	1400 x 3300 x 2585	1400 x 3300 x 2585
	CANOPY WEIGHT kg				1760	2480	2480
	OPEN DIMENSION (W x L x H) mm				1050 x 3100 x 1690	1400 x 3000 x 2270	1400 x 3000 x 2270
	OPEN WEIGHT				1500	2095	2095
ENGINE	BRAND			DEUTZ	DEUTZ	DEUTZ	
	TYPE			WP6D152E200	BF6M1015-LA-GA	BF6M1015C-LA-G1A	
	POWER	STAND BY	kW	152	231	250	
		PRIME	kW	138	208	228	
	SPEED (rpm)			1500	1500	1500	
	CYCLE			4	4	4	
	DISPLACEMENT (lt)			6,75	11,906	11,906	
	NUMBER OF CYLNDERS			6 IN LINE	6 CYLINDERS- V TYPE	6 CYLINDERS- V TYPE	
	BORE x STROKE (mm x mm)			105 x 130	132 x 145	132 x 145	
	COMPRESSION RATIO			18:1	16.5:1	16.5:1	
	GOVERNOR TYPE			ELECTRONIC			
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	TURBOCHARGED	TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT INJECTION			
	COOLING SYSTEM			WATER			
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		32,64	48,53	53,20	
		%75 PRIME POWER		24,56	36,4	39,90	
		%50 PRIME POWER		16,65	24,26	26,60	
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			16	38	38		
TOTAL COOLANT CAPACITY (lt)			28	62	62		
FUEL TANK CAPACITY (lt)			280	565	565		

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