

0450 kVA - 0525 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 OP XX 0450	N OP XX 0475	N OP XX 0525
GROUP	GEN-SET POWER	STAND BY	kVA	450	475	525
			kW	320,0	340,0	380,0
		PRIME	kVA	350,0	385,0	425,0
			kW	280,0	308,0	340,0
	CANOPY DIMENSION (W x L x H) mm			1200x3450x2500	1200x3450x2500	1650x4300x3000
	CANOPY WEIGHT kg			3000	3000	3900
	OPEN DIMENSION (W x L x H) mm			1200x3150x2300	1200x3150x2300	1200x3150x2300
	OPEN WEIGHT			2700	2700	2700
ENGINE	BRAND			OPTIMUS	OPTIMUS	OPTIMUS
	TYPE			OPE 9.8 TWE-2	OPE 12.9 K4	OPE 9.8 TWE-3
	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)			9,8	9,8	9,8
	NUMBER OF CYLNDERS			6	6	6
	BORE x STROKE (mm x mm)			135/150	135/150	135/150
	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		89,1	90	90
		%75 PRIME POWER		66,83	67	67
		%50 PRIME POWER		44,55	45	45
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			22	33	33
	TOTAL COOLANT CAPACITY (lt)			60	46	46
	FUEL TANK CAPACITY (lt)			240	240	1100

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