

40 kVA - 50 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 YD XX 0040	N YD XX 0044	N YD XX 0050
GROUP	GEN-SET POWER	STAND BY	kVA	40	44	50
			kW	32	35,2	40
		PRIME	kVA	36	40	45
			kW	29	32	36
	CANOPY DIMENSION (W x L x H) mm			1000 x 2300 x 1420	1000 x 2300 x 1420	1000 x 2300 x 1420
	CANOPY WEIGHT kg			966,8	997,8	1084,1
	OPEN DIMENSION (W x L x H) mm			1000 x 1900 x 1420	1000 x 1900 x 1420	1000 x 1900 x 1420
	OPEN WEIGHT			791,8	822,8	909,1
ENGINE	BRAND			YANG DONG	YANG DONG	YANG DONG
	TYPE			Y4100D	Y4102D	Y4105D
	POWER	STAND BY	kW	33	36,3	41,8
		PRIME	kW	30	33	38
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			3,707	3,875	4,087
	NUMBER OF CYLNDERS			4 IN LINE	4 IN LINE	4 IN LINE
	BORE x STROKE (mm x mm)			100 x 118	102 x 118	105 x 118
	COMPRESSION RATIO			18 : 1	18 : 1	18 : 1
	GOVERNOR TYPE			MECHANIC / ELECTRONIC		
	INDUCTION			NATURAL		
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		7,05	8,94	8,8
		%75 PRIME POWER		5,74	6,8	6,75
		%50 PRIME POWER		4,34	5,04	5,58
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			13	13	13
	TOTAL COOLANT CAPACITY (lt)			16,2	16,2	15,1
	FUEL TANK CAPACITY (lt)			101	101	101

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