NPOWER
Power and automation technologies.

DOOSAN

Series Diesel Generator Sets

410 kVA - 500 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 extention 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 Emition 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)
- Residental / 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, IBC 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

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MODEL				N DO XX 0410	N DO XX 0440	N DO XX 0500
GROUP	GEN-SET POWER	STAND BY	kVA	410	440	500
			kW	330	352	400
		PRIME	kVA	370	400	450
			kW	295	320	360
	CANOPY DIMENSION (W x L x H) mm			1300 x 3950 x 2135	1600 x 4300 x 2190	1600 x 4300 x 2190
	CANOPY WEIGHT kg			3700	3890	4180
	OPEN DIMENSION (W x L x H) mm			1300 x 3200 x 1700	1300 x 3200 x 1900	1300 x 3200 x 1900
	OPEN WEIGHT			2700	2340	2650
ENGINE	BRAND			DOOSAN	DOOSAN	DOOSAN
	TYPE			DP126LB	P158LE	DP158LC
	POWER	STAND BY	kW	362	414	449
		PRIME	kW	327	363	408
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			11,051	14,618	14,618
	NUMBER OF CYLNDERS			6 IN LINE	8 V TYPE	8 V TYPE
	BORE x STROKE (mm x mm)			123 x 155	128 x 142	128 x 142
	COMPRESSION RATIO			17,2 : 1	15,0 : 1	15,0 : 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		76	89	99
		%75 PRIME POWER		57	65	72
		%50 PRIME POWER		38	43	48
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			44	21	22
	TOTAL COOLANT CAPACITY (lt)			51	89	90
	FUEL TANK CAPACITY (lt)			290	290	290

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OHSAS 18001 ISO 9001 ISO 14001

Turkey Discover the potential