NPOWER
Power and automation technologies.

DONGFENG
DONGFENG MOTOR CORPORATION

Series Diesel Generator Sets

715 kVA - 825 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 DF XX 0715	N DF XX 0825
GROUP	GEN-SET POWER	STAND BY	kVA	715	825
			kW	572	660
		PRIME	kVA	650	750
			kW	520	600
	CANOPY DIMENSION (W x L x H) mm			1700x4200x2715	1700x4200x2715
	CANOPY WEIGHT kg			7098,9	7464
	OPEN DIMENSION (W x L x H) mm			1700x3750x2050	1700x3750x2050
	OPEN WEIGHT			6374,4	6739
ENGINE	BRAND			DONGFENG	DONGFENG
	TYPE			SYG266TAD63	SY283TAD72
	POWER	STAND BY	kW	602	695
		PRIME	kW	547	631
	SPEED (rpm)			1500	1500
	CYCLE			4	4
	DISPLACEMENT (lt)			26,6	29,6
	NUMBER OF CYLNDERS			12 V TYPE	12 V TYPE
	BORE x STROKE (mm x mm)			135 X 155	138 X 165
	COMPRESSION RATIO			16: 1	14,6:1
	GOVERNOR TYPE			ELECTRONIC	
	INDUCTION			TURBOCHARGED - AIR TO AIR COOLED	
	COMBUSTION SYSTEM			DIRECT	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION lt / h	%100 PRIME POWER		145,35	166,57
		%75 PRIME POWER		110,47	126,59
		%50 PRIME POWER		73,95	84,66
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			57,4	62
	TOTAL COOLANT CAPACITY (lt)			110	132
	FUEL TANK CAPACITY (lt)			1272	1272

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