

## ДЭС DEUTZ 72-110 кВА

### Technical Specifications



#### ENGINE

- DEUTZ WP series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged
- 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 block water heater (in automatic models)
- Diesel gen-set maintenance and operating instructions and electrical circuit diagram

#### QUALITY STANDARD

Our generators are manufactured in compliance with VDE 0530, BSE 4999 BS5000, IEC 34, TS ISO 8528, TS EN ISO 3744, TS EN ISO 3746, TS EN 60034-1, TS EN 60204-1, TS EN 60335-1, TS EN 61439-1, EN 61000, TS EN ISO12100 standards.

We have ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 and ISO10002:2006 management system certificates from Kiwa & MEYER, an accredited independent quality organization.

Our generators up to 400 kw are manufactured in compliance with 2000/14/EC European noise emission directive and certified from Ente Certificazione Macchine.

We also have TS ISO 8528-4, TS ISO 8528-5, TS EN 13501-1+A1:2013 flame retardancy and TS EN ISO 9227 certificates against anti-corrosion together with CE Declaration.

#### ALTERNATOR

- Brushless, single bearing, flexible disc 4 poles alternator for harmonic failure
- H type isolation class
- IP 21-23 protection class
- Self exciter
- Electronic automatic voltage regulator
- Stator 2/3 step for harmonic failure

- The alternator windings are protected by insulating varnish against oil and acid.

#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-16 gensets
- 3 pole/4 pole automatic transfer panel (A.T.S.)
- Fuel and oil heater
- Alternator heater
- Automatic fuel filling system
- Fuel-water separator filter
- PMG warning system

#### CANOPY

- Modular type sound-proof canopy
- Canopy installation executed with screw and nut, without welding process
- 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

#### AUTOMATIC CONTROL PANEL

- LCD display screen
- Battery charger
- Hardware and materials needed
- USB port & RS-485 output

#### GEN-SET SAFETY 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



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



# DEUTZ WP Series

## Diesel Generator Sets

### DEUTZ WP Series Diesel Generator Sets 72-110 kVA

MODEL				E DZ XX 0072	E DZ XX 0082	E DZ XX 0110
GROUP	GEN - SET POWER	STAND BY	kVA	72	82	110
			kW	58	66	88
		PRIME	kVA	65	75	100
			kW	52	60	80
	CANOPY DIMENSION (W x L x H) mm			1000 x 2880 x 1610	1000 x 2880 x 1610	1050 x 3180 x 1870
	CANOPY WEIGHT kg			1315	1315	1435
	OPEN DIMENSION (W x L x H) mm			1000 x 2400 x 1520	1000 x 2400 x 1520	1050 x 2700 x 1520
	OPEN WEIGHT kg			1095	1095	1195
ENGINE	BRAND			DEUTZ	DEUTZ	DEUTZ
	TYPE			WP4D66E200	WP4D66E200	WP4D108E200
	POWER	STAND BY	kW	86	86	108
		PRIME	kW	78	78	94
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			4,5	4,5	4,50
	NUMBER OF CYLINDERS			4 IN LINE	4 IN LINE	4 IN LINE
	BORE AND STROKE (mm x mm)			105 x 130	105 x 130	105 x 130
	COMPRESSION RATIO			18:1	18:1	18:1
	GOVERNOR TYPE			MECHANIC / ELECTRONIC		ELECTRONIC
	INDUCTION			TURBOCHARGED		TURBOCHARGED - AIR TO AIR CHARGE COOLED
	COMBUSTION SYSTEM			DIRECT INJECTION		
	COOLING SYSTEM			WATER		
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		16,40	18,93	22,29
		75% OF PRIME POWER		12,33	14,23	16,68
50% OF PRIME POWER		9,70	10,11	11,38		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			10	10	10	
TOTAL COOLANT CAPACITY (lt)			15,30	15,30	16,30	
FUEL TANK CAPACITY (lt)			180	180	280	

Emsa reserves the right to make changes in model, technical specifications, color, equipment & accessories without prior notice.

