

## DEUTZ 175-220 kVA

### Technical Specifications



#### ENGINE

- DEUTZ WP series heavy duty diesel engine
- 4 cycle, water cooled, turbocharged & air to air charge cooled
- Direct injection
- Electronic governor system
- 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 gen-sets; VDE 0530, BS 4999, BS 5000, IEC 34, TS ISO 8528, TS EN 12601 are manufactured in accordance with the standards mentioned above. Our company fulfills ISO 9001:2008, ISO 14001:2004, OHSAS 18001:2007 management system requirements, and have the accredited certificates of Kiwa & MEYER. Also we've GOST-R certificate. Our gen-sets have TS ISO 8528-5, TS EN 12601 product standard certificates.

Our gen-sets are certified in accordance with the requirements of 2000/14/EC, noise emission directive.

#### 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

#### EXTRA EQUIPMENTS

- Charge ammeter
- Moulded case circuit breaker (in automatic models)
- Hospital/Critical type silencer
- Sound-proof canopy
- Mobile - trailer
- Synchronization control panel for 2-6 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

#### 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 175-220 kVA

MODEL				E DZ XX 0175	E DZ XX 0220
GROUP	GEN - SET POWER	STAND BY	kVA	175	220
			kW	140	176
		PRIME	kVA	158	200
			kW	126	160
	CANOPY DIMENSION (W x L x H) mm			1050 x 3580 x 1870	1050 x 3580 x 1870
	CANOPY WEIGHT kg			1810	1950
	OPEN DIMENSION (W x L x H) mm			1050 x 3100 x 1950	1050 x 3100 x 1950
	OPEN WEIGHT kg			1560	1700
ENGINE	BRAND			DEUTZ	DEUTZ
	TYPE			WP6D140E200	WP6D152E200
	POWER	STAND BY	kW	175	190
		PRIME	kW	160	172,6
	SPEED (rpm)			1500	1500
	CYCLE			4	4
	DISPLACEMENT (lt)			6,75	6,75
	NUMBER OF CYLINDERS			6 IN LINE	6 IN LINE
	BORE AND STROKE (mm x mm)			105 x 130	105 x 130
	COMPRESSION RATIO			18:1	18:1
	GOVERNOR TYPE			ELECTRONIC	
	INDUCTION			TURBOCHARGED - AIR TO AIR CHARGE COOLED	
	COMBUSTION SYSTEM			DIRECT INJECTION	
	COOLING SYSTEM			WATER	
	FUEL CONSUMPTION (lt/h)	100% OF PRIME POWER		32,79	39,03
		75% OF PRIME POWER		24,89	29,41
50% OF PRIME POWER		16,79	20,31		
TOTAL LUBRICATION SYSTEM CAPACITY (lt)			20	20	
TOTAL COOLANT CAPACITY (lt)			28	28	
FUEL TANK CAPACITY (lt)			380	380	

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

