DEUTZ 400-460 kVA
Technical Specifications

ENGINE
- DEUTZ 1015 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 extention 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 CE 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 braker (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 seperator 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 1015 Series
Diesel Generator Sets

DEUTZ 1015 Series Diesel Generator Sets 400-460 kVA

			MODEL	E DT XX 0400	E DT XX 0430	E DT XX 0460
GROUP	GEN - SET POWER	STAND BY	kVA	400	430	460
			kW	320	344	368
		PRIME	kVA	365	392	415
			kW	292	314	332
	CANOPY DIMENSION (W x L x H) mm			1600 x 3600 x 2550	1600 x 3600 x 2550	1600 x 3600 x 2550
	CANOPY WEIGHT kg			3340	3460	3460
	OPEN DIMENSION (W x L x H) mm			1600 x 3000 x 2650	1600 x 3000 x 2650	1600 x 3000 x 2650
	OPEN WEIGHT kg			2700	2750	2750
ENGINE	BRAND			DEUTZ	DEUTZ	DEUTZ
	TYPE			BF6M1015C-LA-G3A	BF6M1015C-LA-G4	BF6M1015CP-LA-G
	POWER	STAND BY	kW	314,0	345,0	365,0
		PRIME	kW	285,5	313,6	331,8
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (lt)			11,906	11,906	11,906
	NUMBER OF CYLINDERS			6 CYLINDERS- V TYPE	6 CYLINDERS- V TYPE	6 CYLINDERS- V TYPE
	BORE AND STROKE (mm x mm)			132 x 145	132 x 145	132 x 145
	COMPRESSION RATIO			16.5:1	16.5:1	16.5:1
	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		70,08	79,63	83,85
		75% OF PRIME POWER		52,39	58,88	62,59
		50% OF PRIME POWER		34,70	38,12	41,33
	TOTAL LUBRICATION SYSTEM CAPACITY (lt)			36	36	36
	TOTAL COOLANT CAPACITY (lt)			62	62	67
	FUEL TANK CAPACITY (lt)			760	760	760

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

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