

# **DEUTZ 525-575 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

• High & low genset voltage

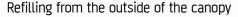
• Start/stop failure

#### **GEN-SET SAFETY PROTECTION & ALARMS** • Over current load

- High water temperature
- Low oil pressure
- High & low engine speed
- Low radiator water level



Easy maintenance canopy design





Canopy made of galvanized steel

Warning system for decreasing fuel with electronic fuel level sender



# DEUTZ 1015 Series Diesel Generator Sets 525-575 kVA

MODEL				E DT XX 0525	E DT XX 0550	E DT XX 575
GROUP	gen - set power	STAND BY	kVA	525	550	575
			kW	420	440	460
		PRIME	kVA	475	500	522
			kW	380	400	418
	Canopy Dimension (W x L x H) mm			1600 x 4000 x 2660	1600 x 4000 x 2660	1600 x 4000 x 2660
	Canopy Weight kg			3980	3980	3980
	OPEN DIMENSION (W x L x H) mm			1600 x 3500 x 2680	1600 x 3500 x 2680	1600 x 3500 x 2680
	OPEN WEIGHT kg			3285	3285	3285
ENGINE	BRAND			DEUTZ	DEUTZ	DEUTZ
	ТҮРЕ			BF8M1015C-LA-G1A	BF8M1015C-LA-G2	BF8M1015CP-LA-G1A
	POWER	STAND BY	kW	418,0	440,0	459,0
		PRIME	kW	380,0	400,0	417,3
	SPEED (rpm)			1500	1500	1500
	CYCLE			4	4	4
	DISPLACEMENT (It)			15,874	15,874	15,874
	NUMBER OF CYLINDERS			8 CYLINDERS- V TYPE	8 CYLINDERS- V TYPE	8 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		92,84	98,68	107,44
		75% of PRIME Power		69,73	73,77	79,08
		50% of PRIME Power		46,62	48,86	50,72
	TOTAL LUBRICATION SYSTEM CAPACITY (It)			48	48	48
	TOTAL COOLANT CAPACITY (It)			87	87	87
	FUEL TANK CAPACITY (It)			1145	1145	1145

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

