

## 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 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 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 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 1015 Series

## Diesel Generator Sets

### 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               |                    |
|  | TYPE                            |                     |       | 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 (lt)               |                     |       | 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 (lt) |                                 |                     | 48    | 48                                      | 48                  |                     |                    |
| TOTAL COOLANT CAPACITY (lt)            |                                 |                     | 87    | 87                                      | 87                  |                     |                    |
| FUEL TANK CAPACITY (lt)                |                                 |                     | 1145  | 1145                                    | 1145                |                     |                    |

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

