

# DEUTZ

## POWER SOLUTIONS



DPS SOUNDPROOFED GENSET - single phase outputs - 50 HZ / 60 HZ



The engine company.



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# DEUTZ POWER SOLUTIONS

# **SOUNDPROOFED**

## GENSETS 50HZ / 60HZ

**Our heavy-duty DEUTZ POWER SOLUTIONS gensets have been designed to meet market requirements and offer world-class quality, fuel economy, reliability and performance.**

All of our complete generator sets are manufactured and tested according to stringent DEUTZ standards. Customers can be assured of their quality, performance and durability.

The Standard DPS package includes various features and allows customization to meet most application requirements.

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## **STANDARD CONFIGURATION:**

- DEUTZ G-Drive engine made in Germany
- Stamford brushless AVR electronic-controlled generator
- Digital Controller DSE 4520 for standby application
- Battery charger
- Soundproof canopy
- Instrument panel
- Base-mounted fuel tank without retention basin
- Autonomy min 8 hs @ 75% PRP
- Silencer residential type, mounted
- Battery + isolator
- Rubber door blocking
- Operation manual

## **OPTIONS:**

- Engine preheater kit
- Cold climate starting kit
- Automatic transfer switch (loose)

## Features and Benefits:

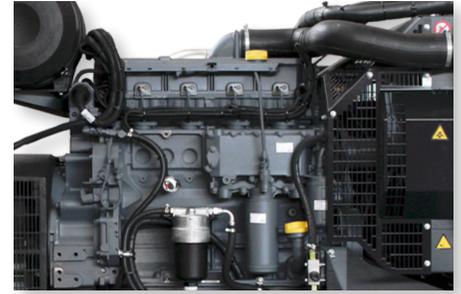


### AIR-INTAKE GRIDS AND OPENINGS SUITABLE FOR HOT CLIMATES

Specifically designed to operate in areas where the temperature is high, the DPS SG range is provided with side air-intake openings which grant proper air circulation. It also features rain protection and sound insulation. Thanks to precise photometric testing, we detected the noisiest sections and applied high-efficiency, sound-absorbing panels.

### TOUGH, RELIABLE AND EFFICIENT DEUTZ ENGINE

Mechanical injection system with individual pump-line-injector system. Operation with fuels with 500 ppm sulphur content is allowed without restrictions. Above this value it is possible with restrictions. Durable design in main components. For long-term use and a long-lasting, attractive appearance, quality painting processes are essential. Enjoy the durability of a powder-coated paint on the base frame. Engine and generator painted according to the most stringent DEUTZ standards.



### FUEL SAVINGS AND LOW OPERATIVE COSTS

Standard 500-hour maintenance interval up to 1000 hours  
Optimized for decreased fuel consumption and lower operating costs.

### FULLY ACCESSIBLE

This series of gensets is engineered to run in harsh environments like deserts, farms and coastal regions while keeping parts of the machine accessible for easier maintenance. Cables and outlet door are equipped with condensation protection and cable feed through set up.



### INTEGRATED FUEL TANK

The fuel tank is placed inside the base frame. Every fuel tank is tested for leaks to ensure flawless operation. Optimal fuel tank capacity allows for less-frequent refuelling in remote areas.”

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## CONTROL PANEL



### The SG range control panel features

- On/Off Key
- Emergency stop button
- Control module DEEP SEA® 4520 MKII
- Primary brand circuit breakers



### DEEP SEA® 4520 MKII

DSE4520 is a compact Auto Mains (Utility) Failure Control Module. Monitoring an extensive number of engine parameters, the module displays warning, shut-down and engine status information on the LCD screen.

For information about additional features, please contact your local DEUTZ partner or email [engine-accessories@deutz.com](mailto:engine-accessories@deutz.com)

## RATING DEFINITIONS

### Prime Rating (PRP)

These ratings are applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. Operating at a max mean load factor at 80% of nominal power. There is no limitation on the annual hours of operation, and this model can supply 10% overload power for one hour on a 12 hour period.

### Standby Rating (LTP)

These ratings are applicable for supplying continuous electrical power (at variable load) in the event of utility power failure. No overload is permitted on these ratings. The alternator on this model is peak continuous rated (as defined in ISO 8528-3). Max operating hours 500 a year.

### Standard Reference Conditions

Standard reference conditions include a 25°C (77°F) air inlet temp, 100m (328 ft) A.S.L. 30% humidity. Ratings in accordance with ISO 8528. Power factor  $\cos \phi$  0.8. For de-rating factors depending on altitude and temperature please contact your DEUTZ® partner (for example TCD 2013 does not de-rate up to 40°C and 1500 m A.S.L).

## WARRANTY

All equipment carries the DEUTZ standard manufacturer's warranty. For details on warranty coverage, please contact your responsible sales partner or visit our website: [www.deutzamericas.com](http://www.deutzamericas.com)



## Technical Data:

### DPS SOUNDPROOFED GENSET - 220v 0.8 pf single phase outputs - 50HZ

| Model                               | DPS             | 25 SG        | 35 SG        |
|-------------------------------------|-----------------|--------------|--------------|
| Rated speed                         | rpm             | 1500         | 1500         |
| Rated voltage,                      | Voltage options | 220          | 220          |
| Rated power (PRP) 1 Ph- reconnected | kVA             | 20.2         | 28.0         |
| Rated power (LTP) 1 Ph- reconnected | kVA             | 21.3         | 30.7         |
| Rated power (PRP) 1 Ph- reconnected | kW              | 16.2         | 22.4         |
| Rated power (LTP) 1 Ph- reconnected | kW              | 17.0         | 24.6         |
| Nominal current (LTP) 220 V phases  | A               | 89           | 130          |
| <b>Engine</b>                       |                 |              |              |
| Make                                |                 | DEUTZ        | DEUTZ        |
| Model                               |                 | F3M2011      | F4M2011      |
| Rated COP/PRP mechanical power      | kW              | 22.1         | 29.0         |
| Rated LTP mechanical power          | kW              | 24.5         | 35.2         |
| Emissions                           | Cert            | Tier 0-2     | Tier 0-2     |
| Cooling system                      |                 | Oil          | Oil          |
| Speed governing                     | Type            | Mechanical   | Mechanical   |
|                                     | Class           | G2           | G2           |
| Number of cylinders                 |                 | 3            | 4            |
| Engines configuration               |                 | IL           | IL           |
| Displacement                        | ltr             | 2,3          | 3,1          |
| Electrical equipment                | V/dc            | 12           | 12           |
| <b>Generator</b>                    |                 |              |              |
| Generator                           | Make            | Stamford     | Stamford     |
| Generator                           | Model           | S1L2-K       | S1L2-Y       |
| Connection                          |                 | Double Delta | Double Delta |
| Phases                              | Double Delta    | 2PH+ N       | 2PH + N      |
| Terminals                           | Number          | 12           | 12           |
| Winding                             | Config          | 311          | 311          |
| Protection                          | IP              | 23           | 23           |
| Electronic regulator                | Model           | AS540        | AS540        |
| Precision                           | %               | 10           | 10           |
| <b>Control Panel</b>                |                 |              |              |
| Control panel                       | Metal box       | Mounted      | Mounted      |
| Control module                      | Deepsea         | 4520 MKII    | 4520 MKII    |
| Automatic start                     | Deepsea         | INC          | INC          |
| On/off key                          |                 | INC          | INC          |
| Emergency stop button               |                 | INC          | INC          |
| Auto transfer switch                |                 | OPT          | OPT          |
| Battery charger                     |                 | INC          | INC          |
| Circuit breaker                     |                 | INC          | INC          |
| <b>Approx. Consumption</b>          |                 |              |              |
| Fuel (75% of load)                  | l/h             | 4            | 5.7          |
| Fuel (75% of load)                  | USG/h           | 1.1          | 1.5          |
| Fuel (75% of load)                  | g/Kwh           | 218          | 217          |
| <b>Noise Level</b>                  |                 |              |              |
| dbA at 7m                           | dbA             | 69           | 69           |
| Exhaust silencer                    | Internal        | INC          | INC          |

The data in this brochure is for information purposes only and are not binding values.  
The data in the quotation is definitive.

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## DPS SOUNDPROOFED GENSET - 240v 0.8 pf single phase outputs - 60 HZ

| Model                               | DPS             | 25 SG        | 35 SG        | 50 SG        | 65 SG        | 90 SG        |
|-------------------------------------|-----------------|--------------|--------------|--------------|--------------|--------------|
| Rated speed                         | rpm             | 1800         | 1800         | 1800         | 1800         | 1800         |
| Rated voltage,                      | Voltage options | 240          | 240          | 240          | 240          | 240          |
| Rated power (PRP) 1 Ph- reconnected | kVA             | 24.0         | 35.7         | 48.0         | 63.0         | 78.8         |
| Rated power (LTP) 1 Ph- reconnected | kVA             | 25.3         | 37.7         | 50.0         | 66.0         | 86.7         |
| Rated power (PRP) 1 Ph- reconnected | kW              | 19.2         | 28.6         | 38.4         | 50.4         | 60.0         |
| Rated power (LTP) 1 Ph- reconnected | kW              | 20.2         | 30.2         | 40.0         | 52.8         | 69.3         |
| Nominal current (LTP) 240 V phases  | A               | 104          | 158          | 208          | 275          | 360          |
| Engine                              |                 |              |              |              |              |              |
| Make                                |                 | DEUTZ        | DEUTZ        | DEUTZ        | DEUTZ        | DEUTZ        |
| Model                               |                 | F3M2011      | F4M2011      | BF4M2011     | BF4M2011C    | BF4M1013EC   |
| Rated COP/PRP mechanical power      | kW              | 22.1         | 29,0         | 38,2         | 54,0         | 99           |
| Rated LTP mechanical power          | kW              | 24.5         | 35.2         | 47.3         | 63.6         | 110          |
| Emissions                           | Cert            | Tier 0-2     | Tier 0-2     | Tier 0-2     | Tier 0       | Tier 0-2     |
| Cooling system                      |                 | Oil          | Oil          | Oil          | Oil          | Water        |
| Speed governing                     | Type            | Mechanical   | Mechanical   | Mechanical   | Mechanical   | Mechanical   |
|                                     | Class           | G2           | G2           | G2           | G2           | G2           |
| Number of cylinders                 |                 | 3            | 4            | 4            | 4            | 4            |
| Engines configuration               |                 | IL           | IL           | IL           | IL           | IL           |
| Displacement                        | ltr             | 2,3          | 3,1          | 3,1          | 3,1          | 4,8          |
| Electrical equipment                | V/dc            | 12           | 12           | 12           | 12           | 12           |
| Generator                           |                 |              |              |              |              |              |
| Generator                           | Make            | Stamford     | Stamford     | Stamford     | Stamford     | Stamford     |
| Generator                           | Model           | S1L2-K       | S1L2-Y       | UCI224F      | UCI274C      | UCI274D      |
| Connection                          |                 | Double Delta |
| Phases                              | Double Delta    | 2PH+ N       | 2PH + N      | 2PH + N      | 2PH + N      | 2PH + N      |
| Terminals                           | Number          | 12           | 12           | 12           | 12           | 12           |
| Winding                             | Config          | 311          | 311          | 311          | 311          | 311          |
| Protection                          | IP              | 23           | 23           | 23           | 23           | 23           |
| Electronic regulator                | Model           | AS540        | AS540        | AS540        | AS540        | AS540        |
| Precision                           | %               | 10           | 10           | 10           | 10           | 10           |
| Control Panel                       |                 |              |              |              |              |              |
| Control panel                       | Metal box       | Mounted      | Mounted      | Mounted      | Mounted      | Mounted      |
| Control module                      | Deepsea         | 4520 MKII    |
| Automatic start                     | Deepsea         | INC          | INC          | INC          | INC          | INC          |
| On/off key                          |                 | INC          | INC          | INC          | INC          | INC          |
| Emergency stop button               |                 | INC          | INC          | INC          | INC          | INC          |
| Auto transfer switch                |                 | OPT          | OPT          | OPT          | OPT          | OPT          |
| Battery charger                     |                 | INC          | INC          | INC          | INC          | INC          |
| Circuit breaker                     |                 | INC          | INC          | INC          | INC          | INC          |
| Approx. Consumption                 |                 |              |              |              |              |              |
| Fuel (75% of load)                  | l/h             | 4            | 5.7          | 7.6          | 10.4         | 18.4         |
| Fuel (75% of load)                  | USG/h           | 1.1          | 1.5          | 2.0          | 2.8          | 4.9          |
| Fuel (75% of load)                  | g/Kwh           | 218          | 217          | 215          | 206          | 211          |
| Noise Level                         |                 |              |              |              |              |              |
| dbA at 7m                           | dbA             | 69           | 69           | 69           | 70           | 78           |
| Exhaust silencer                    | Internal        | INC          | INC          | INC          | INC          | INC          |



## DPS SOUNDPROOFED GENSET - 240v - 50 HZ / 60 HZ

| Model                          | DPS                  | 25 SG            | 35 SG            | 50 SG            | 65 SG            | 110SG            |
|--------------------------------|----------------------|------------------|------------------|------------------|------------------|------------------|
| <b>BASE FRAME &amp; CANOPY</b> |                      |                  |                  |                  |                  |                  |
| Canopy                         | Powered coat RAL9010 | Galvanized steel |
| Weight (approx.)               | kg                   | 690              | 810              | 1000             | 1010             | 1400             |
| Length                         | mm                   | 1980             | 1980             | 1980             | 1980             | 2513             |
| Width                          | mm                   | 924              | 924              | 924              | 924              | 1100             |
| Height                         | mm                   | 1200             | 1200             | 1200             | 1200             | 1480             |
| Canopy model                   | code                 | C20              | C20              | C20              | C20              | C30              |
| Battery & isolator             |                      | INC              | INC              | INC              | INC              | INC              |
| Oil extraction pump            |                      | INC              | INC              | INC              | INC              | INC              |
| Integrated fuel tank capacity  | ltr                  | 90               | 90               | 90               | 90               | 145              |
| Fuel tank gauge                | ltr                  | INC              | INC              | INC              | INC              | INC              |

| Canopy Model | Code | C20  | C30  |
|--------------|------|------|------|
| Length A     | mm   | 1980 | 2513 |
| Width B      | mm   | 924  | 1100 |
| Height C     | mm   | 1200 | 1480 |



**C20**



**C30**



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